AOP 2019	Scientific Program			
	#	Title	Author	Туре
FRIDAY, May 31				
14:30 - 16:45 (2:15 h) Plenary Pl1	178	Polarisation-sensitive optical coherence tomography – what's changed?	Sampson, David	Plenary (45 min=40+5)
Plenary PI2	8	Designing instrumentation: the astronomers perspective	Santos, Nuno	Plenary (45 min=40+5)
Plenary Pl3 Chair(s): José Manuel Rebordão	253	Axions: Search for Dark Matter using Ultra-Intense Lasers	Mendonça, José Tito	Plenary (45 min=40+5)
António Lobo				1
SATURDAY, June 1 Plenary PI4	239	Laser spectroscopy to meet challenges in medicine	Svanberg, Katarina	Plenary (45 min=40+5)
8:55 - 9:40 (45 min)			Ü	, ,
Chair(s): António Lobo				-
Parallel Sessions Sa.1.a	244	Controlling light to the limit with the dispersion-scan technique: from single-cycle pulses to biomedical imaging	Crespo, Helder	Keynote (30 min=25+5)
9:45 - 10:45 (1 h)	-	New ultrashort OPCPA petawatt class beamline for Vulcan laser facility	Galimberti, Marco	Oral (15 min=12+3)
Chair(s): Gonçalo Figueira	151	VEGA laser facility beamlines management for pump-probe experiments.	Mendez, Cruz	Oral (15 min=12+3)
Parallel Sessions Sa.1.b	68		Cabral, Alexandre	Invited (20 min=15+5)
9:45 - 10:45 (1 h) Chair(s): Manuel Abreu		The PESIT-IIA Observatory for the Night Sky (PIONS): Assembly and ground calibration results  Solar coherence instrument based on digital micromirror devices, to measure spatial coherence of solar granules	Suresh, Ambily Magalhães, Tiago	Oral (15 min=12+3) Oral (15 min=12+3)
Citali(s). Maridei Abred		Ray tracing in stressed lenses in dynamical-optical systems	Hahn, Luzia	Oral (15 min=12+3)
Parallel Sessions Sa.1.c 9:45 - 10:45 (1 h)	260		Gaponik, Nikolai Silva, Jorge	Keynote (30 min=25+5) Oral (15 min=12+3)
Chair(s): Mikhail Vasilevskiy		Developing tunable optical analogues using nematic liquid crystals	Ferreira, Tiago	Oral (15 min=12+3)
Parallel Sessions Sa.2.a		Multimodal optical coherence tomography	Drexler, Wolfgang	Keynote (30 min=25+5)
11:15-12:30 (1h15m) Chair(s): António Lobo		Fast OCT image enhancement using deep learning for smart laser surgery  Laser speckle rheology for evaluating mechanical properties of biomaterials: a pilot study	Bayhaqi, Yakub Aqib Ruiz-López, Javier	Oral (15 min=12+3) Oral (15 min=12+3)
(.,			Fantoni, Alessandro	Invited (20 min=15+5)
Parallel Sessions Sa 3 h	101	Lidar imagers for automated vehicles: an evention	Povo Santiago	Koynoto (20 min 35 : 5)
Parallel Sessions Sa.2.b 11:15-12:30 (1h15m)		Lidar imagers for automated vehicles: an overview The LiDAR hop-on-hop-off route: visiting the LiDARs past, present, and future landscapes	Royo, Santiago Nunes-Pereira, Eduardo	Keynote (30 min=25+5) Invited (20 min=17+3)
Chair(s): José A. Rodrigues		Optical phased arrays for enabling solid-state LiDAR systems	Dahlem, Marcus	Invited (20 min=17+3)
Parallel Sessions Sa.2.c	115	Carbon-based nanomaterials in suspensions far beyond the nonlinear optical threshold	Eberle, Bernd	Keynote (30 min=25+5)
11:15-12:30 (1h15m)	-	Engineering of fluorescent biomaging tools based on quantum dot-encoded polyelectrolyte microcapsules and their cancer cell targeting app		Oral (15 min 12+3)
Chair(s): Nikolai Gaponik	49	We play with chemistry to design colloidal semiconductor nanocrystals	Lesnyak, Vladimir	Invited (20 min=15+5)
	203	New collective modes in twisted bilayer graphene	Stauber, Tobias	Invited (20 min 15+5)
Special Session PL5	247	Open access to European photonics prototyping platforms for innovation-driven researchers: "ACTPHAST4R"	Thienpont, Hugo	Keynote (45 min=30+15)
18:35-19:05 (30 min) Chair(s): Manuel F. Costa				-
chair(s). Warract 1. Costa				
Parallel Sessions Sa.3.a			Cantu, Horacio	Invited (20 min=15+5)
14:45-16:00 (1h15m) Chair(s): Jorge Ojeda-Castaneda		Quantum dots/azo-dyes hybrid structures for sensing Functionalizing glass by inducing local compositional changes with ultrafast lasers	Annas, Kirill Solis, Javier	Oral (15 min=12+3) Invited (20 min=15+5)
Fabian Hartmann		Quantum dot particles as anisotropic emitters for luminescent solar concentrator	Zawacka, Natalia	Oral (15 min=12+3)
Parallel Sessions Sa.3.b	174	"Unipolar photonics": cross-gap, self-oscillating light emmission in GaN/AIN and InGaAs/AIAs RTDs at room temperature	Brown, Elliott	Keynote (30 min=25+5)
14:45-16:00 (1h15m)		Nanoscale vertical-emitting nanopillars for efficient sub-wavelength LEDs	Romeira, Bruno	Invited (20 min=15+5)
Chair(s): José M. Baptista		GaN-based distributed feedback laser diodes for optical communications	Gwyn, Steffan Grześ, Pawel	Oral (15 min=12+3)
José Figueiredo	30	Spike-free pulse generation in semiconductor injection seeding laser	Grzes, Pawei	Oral (15 min=12+3)
Parallel Sessions Sa.3.c			Tomita, Yasuo	Keynote (30 min=25+5)
14:45-16:00 (1h15m) Chair(s): Tobias Stauber		Nonlinear electrodynamics of two-dimensional crystals  Harmonic generation in 2D materials	Mikhailov, Sergey Rodrigues, Manuel J. L. F.	Invited (20 min 15+5) Oral (15 min=12+3)
Citali (s). Tobias Staubei	-	Harmonic generation in 25 materials		
		Polariton-assisted emission of strongly coupled organic dye excitons in a tunable optical microcavity	Dovzhenko, Dmitriy	Oral (15 min=12+3)
Poster Sessions Sa.T		Polariton-assisted emission of strongly coupled organic dye excitons in a tunable optical microcavity	Dovzhenko, Dmitriy	'
		The development of an optical design tool for atmospheric dispersion correction	Wehbe, Bachar	Oral (15 min=12+3) Poster
16:00-17:00 (1h)	159	The development of an optical design tool for atmospheric dispersion correction A compact optical polarimeter for portable telescopes used for teaching astronomy	Wehbe, Bachar Topasna, Gregory	Oral (15 min=12+3)
	159 220	The development of an optical design tool for atmospheric dispersion correction	Wehbe, Bachar	Oral (15 min=12+3)  Poster Poster
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100   100		135	Quantum fluid equations for atomic gases	Guerreiro, Ariel	Poster
The content of the		136	Hilight: a new simulation platform for advanced photonics	Guerreiro, Ariel	Poster
1.		139	A new approach to generating entangled light in integrated optics using ring resonators	Guerreiro, Ariel	Poster
April   Description   Descri		140	Rogue waves in nonlinear optical media	Guerreiro, Ariel	1
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1979-1989   College   Co		19	Fabrication and characterization of edge-emitting heterojunction bipolar light-emitting transistors (HBLETs)	Tsai, Chia-Lung	Poster
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270.05.16   19.10-10-10.   270.07.16   19.00	Jose A. Rodrigues	37	Up/down link data transmission for indoor navigation based on visible light communication	Louro, Paula	Oral (15 min=12+3)
270.05.16   19.10-10-10.   270.07.16   19.00	Devellat Constant Co. 4 h	240		Hadana Balana	(20
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2006.04.00   2007.		222	Plasma control by pattern recognition in laser modiced breakdown spectroscopy	rerreira, iviiguei	Oral (15 IIIII1=12+3)
2006.04.00   2007.	Parallel Sessions Sa A c	22	Wavelength-tuning Eigeau interferometry with a laser diode	Ishii Yukihiro	Keynote (30 min=25±5)
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85.5 - 3-00 15 min) Parell Section St.1.3  1.2 Analyses transmission largests simulations and shift with expension recommendation recommendat		245	Light diagnostics and light treatments in the eve	Marcos, Susana	Plenary (45 min=40+5)
Control, Arrivon Depotals  April Scaderics College Seat 2  10 Transcround angenity character what was been and and for Tables  10 Transcround angenity characters what was been and and for Tables  11 Transcround angenity characters with was apprented with an activity  12 Transcround angenity characters with an activity with angenity of the control parameters (parameters)  13 Transcround angenity characters and an activity with a parameters (parameters)  14 Transcround angenity characters and an activity with a parameters (parameters)  15 Transcround angenity characters and an activity of the Control parameters (parameters)  17 Transcround angenity characters and an activity of the Control parameters (parameters)  18 Septiments  18 Transcround and activity of the Parameters of the Control parameters (parameters)  18 Septiments  18 Transcround and activity of the Parameters of the Parameters (parameters)  18 Septiments  18 Transcround and activity of the Parameters of the		243			, (.3 mm 40/3)
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965-10-96 [1 No. 10 Notice properties of security and security of the security	Parallel Sessions Su.1.a	116	Amblyopia treatment: what we know and what we don't know!	Barrett, Brendan	Keynote (30 min=25+5)
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Analysis Services (s.1.2)  4.5 Services (s.1.2)  4.6 Processes, CEP analysis (services on the control generation entered the report of plants of the control generation of the					1
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9.65 - 13-04 (18)  - Country Cution Country  - The Country Cution Country  - The Country Cution Country  - The	Parallel Sessions, Su.1.b	43	Diode-pumped solid-state lasers at 1 µm for optical parametric pumping	João, Celso	Invited (20 min=15+5)
Casylo, Capillo Ceulio  272 Quode to see autocordisator for precise measurement of pulse front URL in a high power laser system  273 (pulse systems, out to the pulse systems of					
Parellel Sensions 5.0.1.  235 139-511 (1) This Beguenes control in graphene field effect supposition  236 139-511 (1) Proteins described from the protein sension of the protein sensio					
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Clarify), Seegery Mikhailov    132 The Coinduced Increase of electron transfer efficiency of QDb based hydroid structures.   Closey, Anna   One (15 min=12-2)					
Parallel Sessions \$0.2.9  129 Ocular optical quality dynamics during accommodation in subjects with accommodative dynamics during interespension [15:42:20 Clastifum]  136 Short review about the safety and effectiveness of implantation collamer lesses for the correction of refractive errors.  5erra, Pedro world (20 min-15-5)  128 (Soutassion of the optical properties of two different types of soft contact tenses; bydrogel and allicone hydrogel lonesus, Ann Martia On (15 min-12-3)  129 Captioniology of which problems in Europe, a Portuguence perspective  Parallel Sessions \$0.2.2  201 Sciencial health manning with filter frage grating sensors; such deshyration [10 min-12-3]  212 Egoberniology of which problems in Europe, a Portuguence perspective  Parallel Sessions \$0.2.2  213 Simultaneous measurement of effactive index and temperature using a double antiresonant follow core filter [10 min-15-6]  210 Simultaneous measurement of effactive index and temperature using a double antiresonant follow core filter [10 min-15-6]  211 Simultaneous measurement of effactive index and temperature using a double antiresonant follow core filter [10 min-15-6]  212 Gandeneous measurement of effactive index and temperature using a double antiresonant follow core filter [10 min-15-6]  213 Simultaneous measurement of effactive index and temperature using a double antiresonant follow core filter [10 min-15-6]  214 Clanace temperature serings with Vermey effect to filter probe about antiresonant follow core filter [10 min-15-6]  215 Simultaneous measurement of effactive index and temperature using a double antiresonant follow core filter [10 min-15-6]  216 Simultaneous measurement of effactive index and temperature using a double antiresonant follow core filter [10 min-15-6]  217 Historia of the optical properties of two devices and temperature using a double antiresonant follow core filter [10 min-15-6]  218 Simultaneous measurement of effactive index and temperature using a double antiresonant follow core filter [10 min-15-6]  219 Cla					
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Antonio baptista  120 Variations of the optical properties of two types of contact lenses with dehydration  127 (pidemiology of votos problems in Europea a Portuguese perspective  128 (pidemiology of votos problems in Europea a Portuguese perspective  129 (pidemiology of votos problems in Europea a Portuguese perspective  120 (pidemiology of votos problems in Europea a Portuguese perspective  121:15:12:30 (In30m)  124 (Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber ferrors, Marta Oral 15 minutateous measurement of refractive index and temperature using a double antiresonant hollow core fiber ferrors, Marta Oral 15 minutateous measurement of refractive index and temperature using a double antiresonant hollow core fiber ferrors, Marta Oral 15 minutateous measurement of refractive index and temperature using a double antiresonant hollow core fiber ferrors, Marta Oral 15 minutateous Martin 15 minutateous measurement of refractive index processors for both of the cryptic gratings for planetary exploration: new challenges  129 (Index and 15 minutateous measurement of fiber origin gratings for planetary exploration: new challenges  120 (Index and 15 minutateous measurement of fiber origin gratings for planetary exploration: new challenges  120 (Index and 15 minutateous measurement or fiber origin gratings for planetary exploration: new challenges  121 (Index and 15 minutateous measurement or fiber origin gratings for planetary exploration: new challenges  122 (Index and 15 minutateous measurement or fiber origin gratings for planetary exploration: new challenges  123 (Index and 15 minutateous measurement or planetary exploration: new challenges  124 (Index and 15 minutateous measurement origin meas					1
127 Epidemiology of vision problems in Europe a Portuguese perspective   Televira, Eduardo   Noveled (20 min-15-5)	11:15-12:30 (1h30m)	160	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors	Serra, Pedro	Invited (20 min=15+5)
Parallel Sessions Su.2.b 265 Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Araijo, Francisco  meter (20 min-15+5)  11:51-230 (13-binn)  125 Simulaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  ferroring, Marta  73 (Fiber-integrated phase-change devices  47 (We and validation of fiber optic gratings for planetary exploration: new challenges  15 (Unequire little grating phase-change devices  47 (We and validation of fiber optic gratings for planetary exploration: new challenges  15 (Unequire little grating phase-change devices)  15 (Unequire grating the potential of fleed polymer optical fibers: emergence of magnetic field sensibility  Parallel Sessions Su.2.c  200 Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  154 (19-bin)  155 (Unequire little grating)  156 (University)  157 (Brudamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  157 (Simulaneous)  158 (Simulaneous)  158 (Simulaneous)  159 (Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  159 (Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  159 (Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  159 (Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  159 (Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  159 (Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  159 (Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  159 (Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  150 (Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applicatio	11:15-12:30 (1h30m) Chair(s): Brendan Barret	160 128	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel	Serra, Pedro Ionescu, Ana Maria	Invited (20 min=15+5) Oral (15 min=12+3)
11.15-12.30 (13.0m)  13.55 Smultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber    Chair(s): Polino frazio   Till Enhanced temperature sensing with Verniser effect on the probe based on multimode Fabry-Perot interferometer   Somes, André   Author Fabry   Till Enhanced temperature sensing with Verniser effect on the probe based on multimode Fabry-Perot interferometer   Somes, André   Oral 15 min-12-3]   Till Enhanced temperature sensing with Verniser effect on the protection of the optics graphing for planetary exploration: new challenges   1.50 meeting the potential of fused polymer optical filters: emergence of magnetic field sensitivity   Pavaldo, Tago   Oral 15 min-12-3]   Oral 15	11:15-12:30 (1h30m) Chair(s): Brendan Barret	160 128 130	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3)
11.15-12.30 (13.0m)  13.55 Smultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber    Chair(s): Polino frazio   Till Enhanced temperature sensing with Verniser effect on the probe based on multimode Fabry-Perot interferometer   Somes, André   Author Fabry   Till Enhanced temperature sensing with Verniser effect on the probe based on multimode Fabry-Perot interferometer   Somes, André   Oral 15 min-12-3]   Till Enhanced temperature sensing with Verniser effect on the protection of the optics graphing for planetary exploration: new challenges   1.50 meeting the potential of fused polymer optical filters: emergence of magnetic field sensitivity   Pavaldo, Tago   Oral 15 min-12-3]   Oral 15	11:15-12:30 (1h30m) Chair(s): Brendan Barret	160 128 130	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3)
Chair(s): Fance of Sessions Mo.1.b  Parallel Sessions Mo.2.a  105 Seeing around corners: using the light field to extract information from scattered light  Parallel Sessions Mo.2.a  105 Seeing around corners: using the light field to extract information from scattered light  Parallel Sessions Mo.2.a  105 Seeing around corners: using the light field to ex	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista	160 128 130 127	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5)
Susana Silva  47   Fibre-integrated phase-change devices 47   Use and validation of fiber onticy gatings for planetary exploration: new challenges 15   Use per therefore, Raqued   15   Use per therefore, Raqued   15   Use potential of fused polymer optical fibers: emergence of magnetic field sensitivity   Parallel Sessions Su 2.c  200   Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications   Chair(s): Manuel F. Costa   Alessandro Fantoni   Edit Analysis of Fazza wedge with a non-air gap by plane wave expansion   Edit Analysis of Fazza wedge with a non-air gap by plane wave expansion   Edit Analysis of Fazza wedge with a non-air gap by plane wave expansion   Edit Analysis of Fazza wedge with a non-air gap by plane wave expansion   Edit Analysis of Fazza wedge with a non-air gap by plane wave expansion   Edit Analysis of Fazza wedge with a non-air gap by plane wave expansion   Edit Analysis of Fazza wedge with a non-air gap by plane wave expansion   Edit Analysis of Fazza wedge with a non-air gap by plane wave expansion   Edit Analysis of Fazza wedge with a non-air gap by plane wave expansion   Edit Analysis of Fazza wedge with a non-air gap by plane wave expansion   Edit Analysis of Fazza wedge with a non-air gap by plane wave expansion   Edit Analysis of Fazza wedge with a non-air gap by plane wave expansion   Edit Analysis of Fazza wedge with a non-air gap by plane wave expansion   Edit Analysis of Fazza wedge with a non-air gap by plane wave expansion   Edit Analysis of Fazza wedge with a non-air gap by plane wave expansion   Edit Analysis of Fazza wedge with a non-air gap by plane wave expansion   Edit Analysis of Fazza wedge with a non-air gap by plane wave expansion   Edit Analysis of Fazza wedge with a non-air gap by plane wave expansion   Edit Analysis of Fazza wedge with a non-air gap by plane wave expansion   Edit Analysis of Fazza wedge with a non-air gap by plane wave expansion   Edit Analysis of Fazza wedge with a non-air gap by plane wave expansion   Edi	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista Parallel Sessions Su.2.b	160 128 130 127	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5)
### AT Use and validation of fiber optic gratings for planetary exploration: new challenges    Farallel Sessions Su 2 c   11:15-12:30 (1h30m)   15 Univeiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity   Pasido, Tago   70 (15 min-12-3)	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m)	160 128 130 127 249 145	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3)
Parallel Sessions Su.2.  Parallel Sessions Su.2.  15 Univerling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Parallel Sessions Su.2.  200 Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  Chair(s): Manuel F. Costa Alessandro Fantoni	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão	160 128 130 127 249 145 117	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3)
Parallel Sessions Su.2.c  11:15-12:30 (13:80 m)  Chair(s): Manuel F. Costa Alessandro Fantoni  40 Simulation analysis of a thin film semiconductor MMI 3 dB splitter operating in the visible range  MONDAY, June 3  Plenary PF7  Parallel Sessions Mo.1.a  9.45 - 10-45 (1 h)  7.5 - 10-45 (1 h)	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão	160 128 130 127 249 145 117	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J.	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Oral (15 min=12+3)
11:15-12:30 (fin80m) Chair(s): Manuel F. Costa Alessandro Fantoni Chair (s)- Pantoni Alessandro Fantoni Alessandro Fantoni Alessandro Fantoni Chair (s)- Pantoni Alessandro Fantoni Ales	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão	160 128 130 127 249 145 117 73 47	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Oral (15 min=12+3) Oral (15 min=12+3)
11:15-12:30 (fin80m) Chair(s): Manuel F. Costa Alessandro Fantoni Chair (s)- Pantoni Alessandro Fantoni Alessandro Fantoni Alessandro Fantoni Chair (s)- Pantoni Alessandro Fantoni Ales	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão	160 128 130 127 249 145 117 73 47	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Oral (15 min=12+3) Oral (15 min=12+3)
Chair(s): Manuel F. Costa Assandro Fantoni Alessandro Fantoni Fanto	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva	160 128 130 127 249 145 117 73 47	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3)
Alessandro Fantoni Alessandro Alessandro Alessandro Alessandro Alessandro Alessandro Alessandro Alessandro A	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c	160 128 130 127 249 145 117 73 47 15	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3) Keynote (30 min=25+5)
MONDAY, June 3 Plenary PT7 194 Optical techniques for improved vision Artal, Pablo Plenary PT8 Sars 5-9.40 (45 min) Chair(s): Pauto Fladeiro Parallel Sessions Mo.1.a Parallel Sessions Mo.1.b Parallel Sessions Mo.1.c Parallel Sessions Mo.1.c Parallel Sessions Mo.1.c Parallel Sessions Mo.1.b Parallel Sessions Mo.1.c Data (15): Jurgen Jahns Parallel Sessions Mo.1.c Data (15): Jurgen Jahns Data (15): Jurge	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m)	160 128 130 127 249 145 117 73 47 15	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  Fluids of Light in atomic systems: from superfluidity to quantum simulations	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Silva, Nuno	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3)  Keynote (30 min=25+5) Oral (15 min=12+3)
MONDAY, June 3  Plenary PI7  8.55 - 9.40 (36 min)  Chair(s): Paulo Fiadeiro  Parallel Sessions Mo. 1.a  9.45 - 1.045 (1 h)  Parallel Sessions Mo. 1.b  Parallel Sessions Mo. 1.b  9.45 - 1.045 (1 h)  7.52 Umitation of tables indicating the relation between age and reading addition for presbyopia correction  Parallel Sessions Mo. 1.b  9.45 - 1.045 (1 h)  7.52 Umitation of tables indicating the relation between age and reading addition for presbyopia correction  Parallel Sessions Mo. 1.b  9.45 - 1.045 (1 h)  7.52 Umitation of tables indicating the relation between age and reading addition for presbyopia correction  Parallel Sessions Mo. 1.b  9.45 - 1.045 (1 h)  7.5 Evening around corners: using the light field to extract information from scattered light  9.45 - 1.045 (1 h)  7.5 Three-dimensional surface reconstruction for evaluation of wrinkling on textile fabrics  de Oliveira Mendes, António  Parallel Sessions Mo. 1.c  9.45 - 1.045 (1 h)  9.5 Discomputer vision combination for object detection and marking  Parallel Sessions Mo. 1.c  9.45 - 1.055 (1:10 h)  105 Influence of morphology on the exciton fine structure of single colloidal nanoplatelets  119 Quantitative imaging of advanced nanostructured materials with scattering-type scanning near field optical microscopy  5.1 Mueller marks measurements of self-assembled gold analoparticles in chiral structure  Parallel Sessions Mo. 2.a  11:15-12:30 (1h15m)  120 Sealing around corners: using the light field to extract information from scattered light  120 Quantitative imaging of advanced nanostructured materials with scattering-type scanning near field optical microscopy  5.1 Mueller marks measurements of self-assembled gold analoparticles in chiral structure  120 Quantitative imaging of advanced nanostructured materials with scattering-type scanning near field optical microscopy  5.1 Mueller marks measurements of self-assembled gold analoparticles in chiral structure  121 Gold ministructure  122 Gracial Sessions Mo. 2.a  122 Gracial Sessions Mo. 2.a  123 Spatial yarian	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa	160 128 130 127 249 145 117 73 47 15 200 91	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  Fluids of Light in atomic systems: from superfluidity to quantum simulations  Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3)
Plenary PI7  194 Optical techniques for improved vision  Artal, Pablic  Plenary (45 min=40-5)  Responsible Sessions Mo.1.a  9.45 - 10.45 (1 h)  Chair(s): Sandra Franco  Parallel Sessions Mo.1.a  9.45 - 10.45 (1 h)  Chair(s): Sandra Franco  Parallel Sessions Mo.1.b  Parallel Sessions Mo.1.c  Parallel Sessions Mo.1.b  Parallel Sessions Mo.1.c  Parallel Sessions Mo.2.a  Parallel Ses	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa	160 128 130 127 249 145 117 73 47 15 200 91 166	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  Fluids of Light in atomic systems: from superfluidity to quantum simulations  Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy  Analysis of Fizeau wedge with a non-air gap by plane wave expansion	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3)
Plenary PI7  194 Optical techniques for improved vision  Artal, Pablic  Plenary (45 min=40-5)  Responsible Sessions Mo.1.a  9.45 - 10.45 (1 h)  Chair(s): Sandra Franco  Parallel Sessions Mo.1.a  9.45 - 10.45 (1 h)  Chair(s): Sandra Franco  Parallel Sessions Mo.1.b  Parallel Sessions Mo.1.c  Parallel Sessions Mo.1.b  Parallel Sessions Mo.1.c  Parallel Sessions Mo.2.a  Parallel Ses	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa	160 128 130 127 249 145 117 73 47 15 200 91 166	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  Fluids of Light in atomic systems: from superfluidity to quantum simulations  Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy  Analysis of Fizeau wedge with a non-air gap by plane wave expansion	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3)
Rest - 9.40 (45 min) Chair(s): Paulo Fiadeiro Chair(s): Paulo Fiadeiro Parallel Sessions Mo.1.6 District Mo.1.6 Parallel Sessions Mo.1.6 Parallel Sessions Mo.1.6 District	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni	160 128 130 127 249 145 117 73 47 15 200 91 166	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  Fluids of Light in atomic systems: from superfluidity to quantum simulations  Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy  Analysis of Fizeau wedge with a non-air gap by plane wave expansion	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3)
Chair(s): Paulo Fiadeiro  Parallel Sessions Mo.1.a  58. Modelling effect of time on visual acuity for vanishing and conventional optotypes  79. Limitation of tables indicating the relation between age and reading addition for presbyopia correction  Panke, Karola  Oral (15 min=12+3)  Oral (15 min=12+3)  Oral (15 min=12+3)  Parallel Sessions Mo.1.b  17. Seeing around corners: using the light field to extract information from scattered light  17. Seeing around corners: using the light field to extract information from scattered light  17. Three-dimensional surface reconstruction for evaluation of wrinkling on textile fabrics  Active (1) Influence of pupil field to extract information from scattered light  18. Smartphone viewing distance during active or passive tasks and relation to heterophoria  Parallel Sessions Mo.1.b  17. Seeing around corners: using the light field to extract information from scattered light  18. Smartphone viewing distance during active or passive tasks and relation to heterophoria  19. Seeing around corners: using the light field to extract information from scattered light  19. Seeing around corners: using the light field to extract information from scattered light  19. Three-dimensional surface reconstruction for evaluation of wrinkling on textile fabrics  19. Optics-computer vision combination for object detection and marking  10. Influence of morphology on the exciton fine structure of single colloidal nanoplatelets  10. Influence of morphology on the exciton fine structure of single colloidal nanoplatelets  10. Influence of morphology on the exciton fine structure districtive descriptions on the structure of single colloidal nanoplatelets  10. Influence of morphology on the exciton fine structure of single colloidal nanoplatelets  10. Influence of morphology on the exciton fine structure of single colloidal nanoplatelets  10. Influence of morphology on the exciton fine structure of single colloidal nanoplatelets  10. Influence of morphology on the exciton fine structure of single colloi	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni  MONDAY, June 3	160 128 130 127 249 145 117 73 47 15 200 91 144 40	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  Fluids of Light in atomic systems: from superfluidity to quantum simulations  Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy  Analysis of Fizeau wedge with a non-air gap by plane wave expansion  Simulation analysis of a thin film semiconductor MMI 3 dB splitter opersting in the visible range	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita Lourenço, Paulo	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3)
Parallel Sessions Mo.1.a   Sessions Mo.1.a   Sessions Mo.1.a   Sessions Mo.1.a   Sessions Mo.1.b   The parallel Sessions Mo.1.b   Sessions Mo.1.b   The parallel Sessions Mo.1.b   Sessions Mo.1.b   The parallel Sessions Mo.1.b   The parallel Sessions Mo.1.b   The parallel Sessions Mo.1.b   Sessions Mo.1.b   The parallel Sessions Mo.1.c   Sessions Mo.1.c   Sessions Mo.1.c   Sessions Mo.1.b   Sessions Mo.1.c   Sessions Mo.1.b   The parallel Sessions Mo.1.b   The parallel Sessions Mo.1.b   The parallel Sessions Mo.1.c   Sessio	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni  MONDAY, June 3 Plenary PI7	160 128 130 127 249 145 117 73 47 15 200 91 144 40	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  Fluids of Light in atomic systems: from superfluidity to quantum simulations  Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy  Analysis of Fizeau wedge with a non-air gap by plane wave expansion  Simulation analysis of a thin film semiconductor MMI 3 dB splitter opersting in the visible range	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita Lourenço, Paulo	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3)
9:45 - 10:45 (1 h) Chair(s): Sandra Franco 124 Influence of pupil function in pseudophakia 8 Smartphone viewing distance during active or passive tasks and relation to heterophoria 8 Smartphone viewing distance during active or passive tasks and relation to heterophoria 9:45 - 10:45 (1 h) Parallel Sessions Mo.1.b 9:45 - 10:45 (1 h) 7 Three-dimensional surface reconstruction for evaluation of wrinkling on textile fabrics 9:45 - 10:45 (1 h) 7 Three-dimensional surface reconstruction for evaluation of wrinkling on textile fabrics 9 Optics-computer vision combination for object detection and marking Parallel Sessions Mo.1.c 9:45 - 10:55 (1:10 h) 9:45 - 10:55 (1:10 h) 119 Quantitative imaging of advanced nanostructured materials with scattering-type scanning near field optical microscopy 5 Stanciu, Stefan 5 Influence of morphology on the exciton fine structure of single colloidal nanoplatelets 9:45 - 10:55 (1:10 h) 119 Quantitative imaging of advanced nanostructured materials with scattering-type scanning near field optical microscopy 11:15 - 12:30 (1h15m) 125 Spatially variant retarders used as geometric phase diffractive elements 126 Spatially variant retarders used as geometric phase diffractive elements 127 Seattlering killed the (light) sheet or did it? 128 Spatially variant retarders used as geometric phase diffractive place domain diffraction phenomena 129 Golub, Michael 120 Oral (15 min=12+3) 120 Oral (15 min=12+3) 121:15-12:30 (1h15m) 120 Spatially variant retarders used as geometric phase diffractive elements 120 Meta-surface diffractive optics based on the resonance-domain diffraction phenomena 120 Golub, Michael 121 Optical fiber tools for single cell trapping and manipulation 121 Development of drug-loaded magneto-sensitive liposomes investigated by fluorescence techniques 128 Cross-validation of EEG data for Cognitive Workload Evaluation using an Eye-tracker in Imaging System Tasks 129 Meda-out. Pedro 120 Crardoso, Beatriz 121 Oral (15 min=12+3) 122 Oral (15 min=12+3) 123 Oral (15 min=12+3) 124 Golu	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni  MONDAY, June 3 Plenary PI7 8:55 - 9:40 (45 min)	160 128 130 127 249 145 117 73 47 15 200 91 144 40	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  Fluids of Light in atomic systems: from superfluidity to quantum simulations  Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy  Analysis of Fizeau wedge with a non-air gap by plane wave expansion  Simulation analysis of a thin film semiconductor MMI 3 dB splitter opersting in the visible range	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita Lourenço, Paulo	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3)
9:45 - 10:45 (1 h) Chair(s): Sandra Franco 124 Influence of pupil function in pseudophakia 8 Smartphone viewing distance during active or passive tasks and relation to heterophoria 8 Smartphone viewing distance during active or passive tasks and relation to heterophoria 9:45 - 10:45 (1 h) Parallel Sessions Mo.1.b 9:45 - 10:45 (1 h) 7 Three-dimensional surface reconstruction for evaluation of wrinkling on textile fabrics 9:45 - 10:45 (1 h) 7 Three-dimensional surface reconstruction for evaluation of wrinkling on textile fabrics 9 Optics-computer vision combination for object detection and marking Parallel Sessions Mo.1.c 9:45 - 10:55 (1:10 h) 9:45 - 10:55 (1:10 h) 119 Quantitative imaging of advanced nanostructured materials with scattering-type scanning near field optical microscopy 5 Stanciu, Stefan 5 Influence of morphology on the exciton fine structure of single colloidal nanoplatelets 9:45 - 10:55 (1:10 h) 119 Quantitative imaging of advanced nanostructured materials with scattering-type scanning near field optical microscopy 11:15 - 12:30 (1h15m) 125 Spatially variant retarders used as geometric phase diffractive elements 126 Spatially variant retarders used as geometric phase diffractive elements 127 Seattlering killed the (light) sheet or did it? 128 Spatially variant retarders used as geometric phase diffractive place domain diffraction phenomena 129 Golub, Michael 120 Oral (15 min=12+3) 120 Oral (15 min=12+3) 121:15-12:30 (1h15m) 120 Spatially variant retarders used as geometric phase diffractive elements 120 Meta-surface diffractive optics based on the resonance-domain diffraction phenomena 120 Golub, Michael 121 Optical fiber tools for single cell trapping and manipulation 121 Development of drug-loaded magneto-sensitive liposomes investigated by fluorescence techniques 128 Cross-validation of EEG data for Cognitive Workload Evaluation using an Eye-tracker in Imaging System Tasks 129 Meda-out. Pedro 120 Crardoso, Beatriz 121 Oral (15 min=12+3) 122 Oral (15 min=12+3) 123 Oral (15 min=12+3) 124 Golu	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni  MONDAY, June 3 Plenary PI7 8:55 - 9:40 (45 min)	160 128 130 127 249 145 117 73 47 15 200 91 144 40	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  Fluids of Light in atomic systems: from superfluidity to quantum simulations  Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy  Analysis of Fizeau wedge with a non-air gap by plane wave expansion  Simulation analysis of a thin film semiconductor MMI 3 dB splitter opersting in the visible range	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita Lourenço, Paulo	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3)
Chair(s): Sandra Franco  124 Influence of pupil function in pseudophakia  88 Smartphone viewing distance during active or passive tasks and relation to heterophoria  Parallel Sessions Mo.1.b  9.45 - 10.45 (1 h)  Chair(s): Jürgen Jahns  Parallel Sessions Mo.1.c  9.45 - 10.55 (1:10 h)  Chair(s): Igor' Nabiev  Parallel Sessions Mo.2.a  Parallel Sessions Mo.2.b  Parallel Sessions Mo.	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni  MONDAY, June 3 Plenary PI7 8:55 - 9:40 (45 min) Chair(s): Paulo Fiadeiro	1600 128 1300 1277 2499 1455 1177 73 477 15 2000 911 1666 1444 40	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  Fluids of Light in atomic systems: from superfluidity to quantum simulations  Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy  Analysis of Fizeau wedge with a non-air gap by plane wave expansion  Simulation analysis of a thin film semiconductor MMI 3 dB splitter opersting in the visible range  Optical techniques for improved vision	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita Lourenço, Paulo  Artal, Pablo	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3)
88 Smartphone viewing distance during active or passive tasks and relation to heterophoria  Panke, Karola  Oral (15 min=12+3)  Parallel Sessions Mo.1.b  9.45 - 10.45 (1 h)  7 Three-dimensional surface reconstruction for evaluation of wrinkling on textile fabrics  9 Optics-computer vision combination for object detection and marking  Parallel Sessions Mo.1.c  9.45 - 10.55 (1:10 h)  Chair(s): Igor Nabiev  105 Influence of morphology on the exciton fine structure of single colloidal nanoplatelets  119 Quantitative imaging of advanced nanostructured materials with scattering-type scanning near field optical microscopy  Stanciu, Stefan  Oral (15 min=12+3)  Oral (15 min=12+3)  Oral (15 min=12+3)  Diffluence of morphology on the exciton fine structure of single colloidal nanoplatelets  9.45 - 10.55 (1:10 h)  Chair(s): Igor Nabiev  Electric-field effect on the optical activity of helical semiconductor nanoribbons  Parallel Sessions Mo.2.a  11:15-12:30 (1115m)  Chair(s): Paulo Tavares  Parallel Sessions Mo.2.b  Parallel Sessions Mo.2.b  Parallel Sessions Mo.2.b  110 Optical fiber tools for single cell trapping and manipulation  1115 Optical fiber tools for single cell trapping and manipulation  1125 Corporation of EEG data for Cognitive Workload Evaluation using an Eye-tracker in Imaging System Tasks  Mendonca, Pedro  Oral (15 min=12+3)	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni  MONDAY, June 3 Plenary PI7 8:55 - 9:40 (45 min) Chair(s): Paulo Fiadeiro  Parallel Sessions Mo.1.a	1600 128 1300 127 249 145 1177 73 47 15 200 91 1666 1444 40	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  Fluids of Light in atomic systems: from superfluidity to quantum simulations  Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy  Analysis of Fizeau wedge with a non-air gap by plane wave expansion  Simulation analysis of a thin film semiconductor MMI 3 dB splitter operating in the visible range  Optical techniques for improved vision  Modelling effect of time on visual acuity for vanishing and conventional optotypes	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita Lourenço, Paulo  Artal, Pablo	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3) Plenary (45 min=40+5)
Parallel Sessions Mo.1.b 9:45 - 10:45 (1 h) 7 Three-dimensional surface reconstruction for evaluation of wrinkling on textile fabrics 9:45 - 10:45 (1 h) 9 Optics-computer vision combination for object detection and marking Parallel Sessions Mo.1.c 9:45 - 10:55 (1:10 h) 105 Influence of morphology on the exciton fine structure of single colloidal nanoplatelets 9:45 - 10:55 (1:10 h) 119 Quantitative imaging of advanced nanostructured materials with scattering-type scanning near field optical microscopy 119 Stanciu, Stefan 119 Optics-computer vision combination for object detection and marking 119 Quantitative imaging of advanced nanostructured materials with scattering-type scanning near field optical microscopy 119 Quantitative imaging of advanced nanostructured materials with scattering-type scanning near field optical microscopy 119 Quantitative imaging of advanced nanostructured materials with scattering-type scanning near field optical microscopy 110 Stanciu, Stefan 1119 Quantitative imaging of advanced nanostructured materials with scattering-type scanning near field optical microscopy 110 Stanciu, Stefan 1119 Quantitative imaging of advanced nanostructured materials with scattering-type scanning near field optical microscopy 110 Stanciu, Stefan 1119 Oral (15 min=12+3) 1119 Oral (15 min=12+3) 1115-12:30 (1h15m) 110 Stancius defence of morphology on the exciton fine structure of single colloidal nanoplatelets 1115-115-115-115-115-115-115-115-115-11	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni  MONDAY, June 3 Plenary PI7 8:55 - 9:40 (45 min) Chair(s): Paulo Fiadeiro  Parallel Sessions Mo.1.a 9:45 - 10:45 (1 h)	1600 128 1300 127 249 145 117 73 47 15 15 16 16 144 40 194 194 194 194 194 194 194 194 194 194	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  Fluids of Light in atomic systems: from superfluidity to quantum simulations  Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy  Analysis of Fizeau wedge with a non-air gap by plane wave expansion  Simulation analysis of a thin film semiconductor MMI 3 dB splitter opersting in the visible range  Modelling effect of time on visual acuity for vanishing and conventional optotypes  Limitation of tables indicating the relation between age and reading addition for presbyopia correction	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Caivo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita Lourenço, Paulo  Artal, Pablo  Fiadeiro, Paulo Panke, Karola	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3)
9:45 - 10:45 (1 h) Chair(s): Jürgen Jahns Parallel Sessions Mo.1.c 9:45 - 10:55 (1:10 h) Chair(s): Igor' Nabiev Parallel Sessions Mo.2.a 105 Influence of morphology on the exciton fine structure of single colloidal nanoplatelets Soupalov, Serguei Invited (20 min 15+5) Influence of morphology on the exciton fine structure of single colloidal nanoplatelets Soupalov, Serguei Invited (20 min 15+5) Influence of morphology on the exciton fine structure of single colloidal nanoplatelets Soupalov, Serguei Invited (20 min 15+5) I	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni  MONDAY, June 3 Plenary PI7 8:55 - 9:40 (45 min) Chair(s): Paulo Fiadeiro  Parallel Sessions Mo.1.a 9:45 - 10:45 (1 h)	1600 128 1300 127 249 1455 200 91 15 200 91 166 61 144 40	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unweiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  Fluids of Light in atomic systems: from superfluidity to quantum simulations  Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy  Analysis of Fizeau wedge with a non-air gap by plane wave expansion  Simulation analysis of a thin film semiconductor MMI 3 dB splitter opersting in the visible range  Optical techniques for improved vision  Modelling effect of time on visual acuity for vanishing and conventional optotypes  Limitation of tables indicating the relation between age and reading addition for presbyopia correction  Influence of pupil function in pseudophakia	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita Lourenço, Paulo  Artal, Pablo  Fiadeiro, Paulo Panke, Karola Fonseca, Elsa	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3)
9:45 - 10:45 (1 h) Chair(s): Jürgen Jahns Parallel Sessions Mo.1.c 9:45 - 10:55 (1:10 h) Chair(s): Igor' Nabiev Parallel Sessions Mo.2.a 105 Influence of morphology on the exciton fine structure of single colloidal nanoplatelets Soupalov, Serguei Invited (20 min 15+5) Influence of morphology on the exciton fine structure of single colloidal nanoplatelets Soupalov, Serguei Invited (20 min 15+5) Influence of morphology on the exciton fine structure of single colloidal nanoplatelets Soupalov, Serguei Invited (20 min 15+5) I	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni  MONDAY, June 3 Plenary PI7 8:55 - 9:40 (45 min) Chair(s): Paulo Fiadeiro  Parallel Sessions Mo.1.a 9:45 - 10:45 (1 h)	1600 128 1300 127 249 1455 200 91 15 200 91 166 61 144 40	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unweiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  Fluids of Light in atomic systems: from superfluidity to quantum simulations  Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy  Analysis of Fizeau wedge with a non-air gap by plane wave expansion  Simulation analysis of a thin film semiconductor MMI 3 dB splitter opersting in the visible range  Optical techniques for improved vision  Modelling effect of time on visual acuity for vanishing and conventional optotypes  Limitation of tables indicating the relation between age and reading addition for presbyopia correction  Influence of pupil function in pseudophakia	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita Lourenço, Paulo  Artal, Pablo  Fiadeiro, Paulo Panke, Karola Fonseca, Elsa	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3)
Chair(s): Jürgen Jahns  9 Optics-computer vision combination for object detection and marking  Parallel Sessions Mo.1.c  9:45 - 10:55 (1:10 h)  Chair(s): Igor' Nabiev  Parallel Sessions Mo.2.a  11:15-12:30 (1h15m)  Chair(s): Paulo Tavares  Parallel Sessions Mo.2.b  Parallel Ses	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni  MONDAY, June 3 Plenary PI7 8:55 - 9:40 (45 min) Chair(s): Paulo Fiadeiro  Parallel Sessions Mo.1.a 9:45 - 10:45 (1 h) Chair(s): Sandra Franco	1600 128 1300 127 127 1249 1455 147 150 150 150 150 150 150 150 150 150 150	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  Fluids of Light in atomic systems: from superfluidity to quantum simulations  Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy  Analysis of Fizeau wedge with a non-air gap by plane wave expansion  Simulation analysis of a thin film semiconductor MMI 3 dB splitter opersting in the visible range  Optical techniques for improved vision  Modelling effect of time on visual acuity for vanishing and conventional optotypes  Limitation of tables indicating the relation between age and reading addition for presbyopia correction  Influence of pupil function in pseudophakia  Smartphone viewing distance during active or passive tasks and relation to heterophoria	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita Lourenço, Paulo  Artal, Pablo  Fiadeiro, Paulo Panke, Karola Fonseca, Eisa Panke, Karola	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3)
Parallel Sessions Mo.1.c 9:45 - 10:55 (1:10 h) Chair(s): Igor' Nabiev  Parallel Sessions Mo.2.a 1207 Scattering killed the (light) sheet or did it? 11:15-12:30 (1h15m) Chair(s): Paulo Tavares Parallel Sessions Mo.2.b  Parallel Sessions Mo.2.b 110 Influence of morphology on the exciton fine structure of single colloidal nanoplatelets 110 Quantitative imaging of advanced nanostructured materials with scattering-type scanning near field optical microscopy Stanciu, Stefan Oral (15 min=12+3) Invited (20 min 15+5) Oral (15 min=12+3)	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni  MONDAY, June 3 Plenary PI7 8:55- 9:40 (45 min) Chair(s): Paulo Fiadeiro  Parallel Sessions Mo.1.a 9:45 - 10:45 (1 h) Chair(s): Sandra Franco  Parallel Sessions Mo.1.b	1600 1288 2499 1455 1177 73 477 15 2000 1666 1444 40 194 194 88 177	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  Fliuds of Light in atomic systems: from superfluidity to quantum simulations  Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy  Analysis of Fizeau wedge with a non-air gap by plane wave expansion  Simulation analysis of a thin film semiconductor MMI 3 dB splitter opersting in the visible range  Optical techniques for improved vision  Modelling effect of time on visual acuity for vanishing and conventional optotypes  Limitation of tables indicating the relation between age and reading addition for presbyopia correction  Influence of pupil function in pseudophakia  Smartphone viewing distance during active or passive tasks and relation to heterophoria  Seeing around corners: using the light field to extract information from scattered light	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita Lourenço, Paulo  Artal, Pablo  Fiadeiro, Paulo Panke, Karola Fonseca, Elsa Panke, Karola Leger, James	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=15+5) Oral (15 min=12+3)  Invited (20 min=15+5) Oral (15 min=12+3) Keynote (30 min=25+5)
9:45 - 10:55 (1:10 h)  Chair(s): Igor' Nabiev  119 Quantitative imaging of advanced nanostructured materials with scattering-type scanning near field optical microscopy  Stanciu, Stefan  Oral (15 min=12+3)  Invited (20 min=15+5)  Oral (15 min=22+3)  Oral (15 min=22+3)  Oral (15 min=12+3)	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni  MONDAY, June 3 Plenary PI7 8:55 - 9:40 (45 min) Chair(s): Paulo Fiadeiro  Parallel Sessions Mo.1.a 9:45 - 10:45 (1 h)  Parallel Sessions Mo.1.b 9:45 - 10:45 (1 h)	1600 1288 1600 1281 1600 1281 1600 1281 1600 1281 1600 1600 1600 1600 1600 1600 1600 16	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  Fluids of Light in atomic systems: from superfluidity to quantum simulations  Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy  Analysis of Fizeau wedge with a non-air gap by plane wave expansion  Simulation analysis of a thin film semiconductor MMI 3 dB splitter opersting in the visible range  Optical techniques for improved vision  Modelling effect of time on visual acuity for vanishing and conventional optotypes  Limitation of tables indicating the relation between age and reading addition for presbyopia correction  Influence of pupil function in pseudophakia  Smartphone viewing distance during active or passive tasks and relation to heterophoria  Seeing around corners: using the light field to extract information from scattered light  Three-dimensional surface reconstruction for evaluation of wrinkling on textile fabrics	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita Lourenço, Paulo  Artal, Pablo  Fiadeiro, Paulo Panke, Karola Fonseca, Eisa Panke, Karola Leger, James de Oliveira Mendes, António	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3)
9:45 - 10:55 (1:10 h)  Chair(s): Igor' Nabiev  119 Quantitative imaging of advanced nanostructured materials with scattering-type scanning near field optical microscopy  Stanciu, Stefan  Oral (15 min=12+3)  Invited (20 min=15+5)  Oral (15 min=22+3)  Oral (15 min=22+3)  Oral (15 min=12+3)	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni  MONDAY, June 3 Plenary PI7 8:55 - 9:40 (45 min) Chair(s): Paulo Fiadeiro  Parallel Sessions Mo.1.a 9:45 - 10:45 (1 h)  Parallel Sessions Mo.1.b 9:45 - 10:45 (1 h)	1600 1288 1600 1281 1600 1281 1600 1281 1600 1281 1600 1600 1600 1600 1600 1600 1600 16	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  Fluids of Light in atomic systems: from superfluidity to quantum simulations  Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy  Analysis of Fizeau wedge with a non-air gap by plane wave expansion  Simulation analysis of a thin film semiconductor MMI 3 dB splitter opersting in the visible range  Optical techniques for improved vision  Modelling effect of time on visual acuity for vanishing and conventional optotypes  Limitation of tables indicating the relation between age and reading addition for presbyopia correction  Influence of pupil function in pseudophakia  Smartphone viewing distance during active or passive tasks and relation to heterophoria  Seeing around corners: using the light field to extract information from scattered light  Three-dimensional surface reconstruction for evaluation of wrinkling on textile fabrics	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita Lourenço, Paulo  Artal, Pablo  Fiadeiro, Paulo Panke, Karola Fonseca, Eisa Panke, Karola Leger, James de Oliveira Mendes, António	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3)
Chair(s): Igor' Nabiev  51 Mueller matrix measurements of self-assembled gold nanoparticles in chiral structure  52 Electric-field effect on the optical activity of helical semiconductor nanoribbons  53 Metalel Sessions Mo.2.a  54 Tatiana Pereziabova  55 Sepatially variant retarders used as geometric phase diffractive elements  56 Chair(s): Paulo Tavares  57 Moreno, Ignacio  58 Invited (20 min=15+5)  58 Aprilled Sessions Mo.2.a  59 Meta-surface diffractive optics based on the resonance-domain diffraction phenomena  50 Moreno, Ignacio  50 Invited (20 min=25+5)  51:15-12:30 (1h15m)  52 Meta-surface diffractive optics based on the resonance-domain diffraction phenomena  59 Moreno, Ignacio  50 Invited (20 min=15+5)  50 Moreno, Ignacio  51 Mueller matrix measurements of self-assembled gold nanoparticles in chiral structure  51 Mueller matrix measurements of self-assembled gold nanoparticles in chiral structure  50 Invited (20 min=15+5)  51 Metale Sessions Mo.2.a  52 Meta-surface diffractive optics based on the resonance-domain diffraction phenomena  53 Moreno, Ignacio  54 Invited (20 min=15+5)  55 Meta-surface diffractive optics based on the resonance-domain diffraction phenomena  56 Invited (20 min=15+5)  57 Moreno, Ignacio  58 Invited (20 min=15+5)  59 Meta-surface diffractive optics based on the resonance-domain diffraction phenomena  59 Moreno, Ignacio  50 Invited (20 min=15+5)  50 Moreno, Ignacio  50 Invited (20 min=15+5)  51 Moreno, Ignacio  52 Invited (20 min=15+5)  53 Moreno, Ignacio  54 Invited (20 min=15+5)  55 Moreno, Ignacio  56 Invited (20 min=15+5)  57 Moreno, Ignacio  58 Invited (20 min=15+5)  59 Invited (20 min=15+5)  50 Invited (20 min=15+5)  51 Invited (20 min=15+5)  52 Moreno, Ignacio  53 Invited (20 min=15+5)  54 Invited (20 min=15+5)  55 Invited (20 min=15+5)  56 Invited (20 min=15+5)  57 Invited (20 min=15+5)  58 Invited (20 min=15+5)  59 Invited (20 min=15+5)  50 Invited (20 min=15+5)  50 Invited (20 min=15+5)  51 Invited (20 min=15+5)  52 Invited (20 min=15+5)  53 Invited (20 min=15+5)  54 In	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni  MONDAY, June 3 Plenary PI7 8:55 - 9:40 (45 min) Chair(s): Paulo Fiadeiro  Parallel Sessions Mo.1.a 9:45 - 10:45 (1 h) Chair(s): Sandra Franco  Parallel Sessions Mo.1.b 9:45 - 10:45 (1 h) Chair(s): Jürgen Jahns	1600 1288 1390 1277 145 1177 73 47 155 2000 1666 1444 40 194 194 88 79 1124 88 17 7	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  Fluids of Light in atomic systems: from superfluidity to quantum simulations  Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy  Analysis of Fizeau wedge with a non-air gap by plane wave expansion  Simulation analysis of a thin film semiconductor MMI 3 dB splitter opersting in the visible range  Modelling effect of time on visual acuity for vanishing and conventional optotypes  Limitation of tables indicating the relation between age and reading addition for presbyopia correction influence of pupil function in pseudophakia  Smartphone viewing distance during active or passive tasks and relation to heterophoria  Seeing around corners: using the light field to extract information from scattered light  Three-dimensional surface reconstruction for evaluation of wrinkling on textile fabrics  Optics-computer vision combination for object detection and marking	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Caivo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita Lourenço, Paulo  Artal, Pablo  Fiadeiro, Paulo Panke, Karola Fonseca, Elsa Panke, Karola Leger, James de Oliveira Mendes, António Handelman, Amir	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=15+5) Oral (15 min=15+5) Oral (15 min=12+3)  Plenary (45 min=40+5)  Invited (20 min=15+5) Oral (15 min=12+3)
Parallel Sessions Mo.2.a  1207 Scattering killed the (light) sheet or did it?  1215-12:30 (1h15m)  Chair(s): Paulo Tavares  Parallel Sessions Mo.2.b  125 Optical fiber tools for single cell trapping and manipulation  126 Development of drug-loaded magneto-sensitive liposomes investigated by fluorescence techniques  Chair(s): António Lobo  Carloso, Beatriz  Oral (15 min=12+3)	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni  MONDAY, June 3 Plenary PI7 8:55 - 9:40 (45 min) Chair(s): Paulo Fiadeiro Parallel Sessions Mo.1.a 9:45 - 10:45 (1 h) Chair(s): Sandra Franco  Parallel Sessions Mo.1.b 9:45 - 10:45 (1 h) Chair(s): Jürgen Jahns Parallel Sessions Mo.1.c	1600 1288 2499 1455 1177 73 477 15 2000 91 1666 1444 40 20 194 88 177 7 9 9 124 88	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  Fluids of Light in atomic systems: from superfluidity to quantum simulations  Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy  Analysis of Fizeau wedge with a non-air gap by plane wave expansion  Simulation analysis of a thin film semiconductor MMI 3 dB splitter opersting in the visible range  Optical techniques for improved vision  Modelling effect of time on visual acuity for vanishing and conventional optotypes  Limitation of tables indicating the relation between age and reading addition for presbyopia correction linfluence of pupil function in pseudophakia  Smartphone viewing distance during active or passive tasks and relation to heterophoria  Seeing around corners: using the light field to extract information from scattered light  Three-dimensional surface reconstruction for evaluation of wrinkling on textile fabrics  Optics-computer vision combination for object detection and marking	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita Lourenço, Paulo  Artal, Pablo  Fiadeiro, Paulo Panke, Karola Fonseca, Elsa Panke, Karola Leger, James de Oliveira Mendes, António Handelman, Amir Goupalov, Serguei	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3)  Reynote (20 min=15+5) Oral (15 min=12+3) Invited (20 min 15+5)
Parallel Sessions Mo.2.a  11:15-12:30 (1h15m)  12:5 Spatially variant retarders used as geometric phase diffractive elements  13:0 Meta-surface diffractive optics based on the resonance-domain diffraction phenomena  13:0 The behavior of vector light needles using modulation functions with topological charge  Parallel Sessions Mo.2.b  Parallel Sessions Mo.2.b  16:1 Optical fiber tools for single cell trapping and manipulation  11:15-12:30 (1h15m)  13:2 Development of drug-loaded magneto-sensitive liposomes investigated by fluorescence techniques  Cardoso, Beatriz  Oral (15 min=12+3)  Chair(s): António Lobo  23:5 Cross-validation of EEG data for Cognitive Workload Evaluation using an Eye-tracker in Imaging System Tasks  Mendonca, Pedro  Ripoll, Jorge  Keynote (30 min=25+5)  Invited (20 min=25+5)  Oral (15 min=12+3)  Oral (15 min=12+3)  Oral (15 min=12+3)	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni  MONDAY, June 3 Plenary PI7 8:55 - 9:40 (45 min) Chair(s): Paulo Fiadeiro  Parallel Sessions Mo.1.a 9:45 - 10:45 (1 h) Chair(s): Sandra Franco  Parallel Sessions Mo.1.b 9:45 - 10:45 (1 h) Chair(s): Jürgen Jahns  Parallel Sessions Mo.1.c 9:45 - 10:55 (1:10 h)	1600 1288 1300 1277 1455 1177 733 477 155 2000 91 1666 1444 40 194 200 194 194 194 194 194 194 194 194 195 197 197 197 197 197 197 197 197 197 197	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel Variations of the optical properties of two types of contact lenses with dehydration Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer Fibre-integrated phase-change devices Use and validation of fiber optic gratings for planetary exploration: new challenges Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications Fluids of Light in atomic systems: from superfluidity to quantum simulations Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy Analysis of Fizeau wedge with a non-air gap by plane wave expansion Simulation analysis of a thin film semiconductor MMI 3 dB splitter opersting in the visible range  Optical techniques for improved vision  Modelling effect of time on visual acuity for vanishing and conventional optotypes Limitation of tables indicating the relation between age and reading addition for presbyopia correction Influence of pupil function in pseudophakia  Smartphone viewing distance during active or passive tasks and relation to heterophoria  Seeing around corners: using the light field to extract information from scattered light Three-dimensional surface reconstruction for evaluation of wrinkling on textile fabrics  Optics-computer vision combination for object detection and marking  Influence of morphology on the exciton fine structure of single	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita Lourenço, Paulo Artal, Pablo Fiadeiro, Paulo Panke, Karola Fonseca, Elsa Panke, Karola Leger, James de Oliveira Mendes, António Handelman, Amir Goupalov, Serguei Stanciu, Stefan	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3)
11:15-12:30 (1h15m)  125 Spatially variant retarders used as geometric phase diffractive elements  Moreno, ignacio Invited (20 min=15+5)  52 Meta-surface diffractive optics based on the resonance-domain diffraction phenomena Golub, Michael Oral (15 min=12+3)	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni  MONDAY, June 3 Plenary PI7 8:55 - 9:40 (45 min) Chair(s): Paulo Fiadeiro  Parallel Sessions Mo.1.a 9:45 - 10:45 (1 h) Chair(s): Sandra Franco  Parallel Sessions Mo.1.b 9:45 - 10:45 (1 h) Chair(s): Jürgen Jahns  Parallel Sessions Mo.1.c 9:45 - 10:55 (1:10 h)	1600 1288 1390 1277 145 1177 133 477 155 2000 1666 1444 40 194 88 79 124 88 177 7 7 9 1 194 195 195 195 195 195 195 195 195	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  Fluids of Light in atomic systems: from superfluidity to quantum simulations  Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy  Analysis of Fizeau wedge with a non-air gap by plane wave expansion  Simulation analysis of a thin film semiconductor MMI 3 dB splitter opersting in the visible range  Optical techniques for improved vision  Modelling effect of time on visual acuity for vanishing and conventional optotypes  Limitation of tables indicating the relation between age and reading addition for presbyopia correction  Influence of pupil function in pseudophakia  Smartphone viewing distance during active or passive tasks and relation to heterophoria  Seeing around corners: using the light field to extract information from scattered light  Three-dimensional surface reconstruction for evaluation of wrinking on textile fabrics  Optics-computer vision combination for object detection and marking  Influence of morphology on the exciton fine structu	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita Lourenço, Paulo  Artal, Pablo  Fiadeiro, Paulo Panke, Karola Fonseca, Elsa Panke, Karola Hendes, Amir Goupalov, Serguel Stanciu, Stefan Battie, Yann	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3)
11:15-12:30 (1h15m)  125 Spatially variant retarders used as geometric phase diffractive elements  Moreno, ignacio Invited (20 min=15+5)  52 Meta-surface diffractive optics based on the resonance-domain diffraction phenomena Golub, Michael Oral (15 min=12+3)	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni  MONDAY, June 3 Plenary PI7 8:55 - 9:40 (45 min) Chair(s): Paulo Fiadeiro  Parallel Sessions Mo.1.a 9:45 - 10:45 (1 h) Chair(s): Sandra Franco  Parallel Sessions Mo.1.b 9:45 - 10:45 (1 h) Chair(s): Jürgen Jahns  Parallel Sessions Mo.1.c 9:45 - 10:55 (1:10 h)	1600 1288 1390 1277 145 1177 133 477 155 2000 1666 1444 40 194 88 79 124 88 177 7 7 9 1 194 195 195 195 195 195 195 195 195	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  Fluids of Light in atomic systems: from superfluidity to quantum simulations  Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy  Analysis of Fizeau wedge with a non-air gap by plane wave expansion  Simulation analysis of a thin film semiconductor MMI 3 dB splitter opersting in the visible range  Optical techniques for improved vision  Modelling effect of time on visual acuity for vanishing and conventional optotypes  Limitation of tables indicating the relation between age and reading addition for presbyopia correction  Influence of pupil function in pseudophakia  Smartphone viewing distance during active or passive tasks and relation to heterophoria  Seeing around corners: using the light field to extract information from scattered light  Three-dimensional surface reconstruction for evaluation of wrinking on textile fabrics  Optics-computer vision combination for object detection and marking  Influence of morphology on the exciton fine structu	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita Lourenço, Paulo  Artal, Pablo  Fiadeiro, Paulo Panke, Karola Fonseca, Elsa Panke, Karola Hendes, Amir Goupalov, Serguel Stanciu, Stefan Battie, Yann	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5)
Chair(s): Paulo Tavares  52 Meta-surface diffractive optics based on the resonance-domain diffraction phenomena  113 On the behavior of vector light needles using modulation functions with topological charge  Carnicer, Artur  Oral (15 min=12+3)  Oral (15 min=12+3)  Parallel Sessions Mo.2.b  161 Optical fiber tools for single cell trapping and manipulation  11:45-12:30 (1h15m)  132 Development of drug-loaded magneto-sensitive liposomes investigated by fluorescence techniques  Cardoso, Beatriz  Oral (15 min=12+3)	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni  MONDAY, June 3 Plenary PJ7 Plenary PJ7 Sessions Mo.1.a 9:45 - 10:45 (1 h) Chair(s): Sandra Franco  Parallel Sessions Mo.1.b 9:45 - 10:45 (1 h) Chair(s): Jürgen Jahns  Parallel Sessions Mo.1.c 9:45 - 10:55 (1:10 h) Chair(s): Igor' Nabiev	1600 1288 1390 1277 145 1177 13 2000 1666 1444 40 194 888 79 9 124 88 17 7 7 9 9 105 119 105 119 105 119 105 119 105 119 105 119 105 105 105 105 105 105 105 105 105 105	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Livelling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  Fluids of Light in atomic systems: from superfluidity to quantum simulations  Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy  Analysis of Fizeau wedge with a non-air gap by plane wave expansion  Simulation analysis of a thin film semiconductor MMI 3 dB splitter opersting in the visible range  Optical techniques for improved vision  Modelling effect of time on visual acuity for vanishing and conventional optotypes  Limitation of tables indicating the relation between age and reading addition for presbyopia correction Influence of pupil function in pseudophakia  Smartphone viewing distance during active or passive tasks and relation to heterophoria  Seeing around corners: using the light field to extract information from scattered light  Three-dimensional surface reconstruction for evaluation of winkling on textile fabrics  Optics-computer vision	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita Lourenço, Paulo  Artal, Pablo  Fiadeiro, Paulo Panke, Karola Fonseca, Elsa Panke, Karola Leger, James de Oliveira Mendes, António Handelman, Amir  Goupalov, Serguei Stanciu, Stefan Battie, Yann Tatiana Pereziabova	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3)
113 On the behavior of vector light needles using modulation functions with topological charge Carnicer, Artur Oral (15 min=12+3)  Parallel Sessions Mo.2.b 161 Optical fiber tools for single cell trapping and manipulation Rodrigues Ribeiro, Ana Rita Invited (20 min=15+5)  11:15-12:30 (1h15m) 132 Development of drug-loaded magneto-sensitive liposomes investigated by fluorescence techniques Cardoso, Beatriz Oral (15 min=12+3)  Chair(s): António Lobo 235 Cross-validation of EEG data for Cognitive Workload Evaluation using an Eye-tracker in Imaging System Tasks Mendonca, Pedro Oral (15 min=12+3)	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni  MONDAY, June 3 Plenary PI7 8:55 - 9:40 (45 min) Chair(s): Paulo Fiadeiro  Parallel Sessions Mo.1.a 9:45 - 10:45 (1 h) Chair(s): Sandra Franco  Parallel Sessions Mo.1.b 9:45 - 10:45 (1 h) Chair(s): Jürgen Jahns  Parallel Sessions Mo.1.c 9:45 - 10:55 (1:10 h) Chair(s): Igor' Nabiev	1600 1288 1300 1277 1451 1177 155 2000 91 1666 1444 40 194 194 177 18888 177 9 1055 1199 51 662	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of sont contact lenses hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  Fluids of Light in atomic systems: from superfluidity to quantum simulations  Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy  Analysis of Fizeau wedge with a non-air gap by plane wave expansion  Simulation analysis of a thin film semiconductor MMI 3 dB splitter opersting in the visible range  Optical techniques for improved vision  Modelling effect of time on visual acuity for vanishing and conventional optotypes  Limitation of tables indicating the relation between age and reading addition for presbyopia correction influence of pupil function in pseudophakia  Smartphone viewing distance during active or passive tasks and relation to heterophoria  Seeing around corners: using the light field to extract information from scattered light  Three-dimensional surface reconstruction for evaluation of wrinkling on textile fabrics  Optics-computer vision combination for object detection and marking  influence of morphology on the exciton fine structu	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita Lourenço, Paulo Artal, Pablo  Artal, Pablo  Fiadeiro, Paulo Panke, Karola Fonseca, Elsa Panke, Karola Leger, James de Oliveira Mendes, António Handelman, Amir Goupalov, Serguei Stanciu, Stefan Battie, Yann Tatiana Pereziabova	Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3) Invited (30 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3) Keynote (30 min=25+5)
Parallel Sessions Mo.2.b  161 Optical fiber tools for single cell trapping and manipulation  11:15-12:30 (1h15m)  Chair(s): António Lobo  235 Cross-validation of EEG data for Cognitive Workload Evaluation using an Eye-tracker in Imaging System Tasks  Mendonca, Pedro  Oral (15 min=12+3)  Oral (15 min=12+3)	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni  MONDAY, June 3 Plenary PI7 8:55 - 9:40 (45 min) Chair(s): Paulo Fiadeiro  Parallel Sessions Mo.1.a 9:45 - 10:45 (1 h) Chair(s): Jürgen Jahns  Parallel Sessions Mo.1.b 9:45 - 10:45 (1 h) Chair(s): Jürgen Jahns  Parallel Sessions Mo.1.c 9:45 - 10:55 (1:10 h) Chair(s): Igor' Nabiev  Parallel Sessions Mo.2.a 11:15-12:30 (1h15m)	1600 1288 1300 1277 1491 1455 1177 733 477 155 1666 1444 40 194 194 1551 16562	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors  Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel  Variations of the optical properties of two types of contact lenses with dehydration  Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators  Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber  Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer  Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges  Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications  Fluids of Light in atomic systems: from superfluidity to quantum simulations  Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy  Analysis of Erazu wedge with a non-air gap by plane wave expansion  Simulation analysis of a thin film semiconductor MMI 3 dB splitter opersting in the visible range  Modelling effect of time on visual acuity for vanishing and conventional optotypes  Limitation of tables indicating the relation between age and reading addition for presbyopia correction influence of pupil function in pseudophakia  Modelling effect of time on visual acuity for vanishing and conventional optotypes  Limitation of tables indicating the relation between age and reading addition for presbyopia correction influence of morphology on the exciton fine structure of single colloidal nanoplatelets  Seeing around corners: using the light field to extract information from scattered light  Three-dimensional surface reconstruction for evaluation of wi	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita Lourenço, Paulo Artal, Pablo  Artal, Pablo  Fiadeiro, Paulo Panke, Karola Fonseca, Elsa Panke, Karola Leger, James de Oliveira Mendes, António Handelman, Amir Goupalov, Serguei Stanciu, Stefan Battie, Yann Tatiana Pereziabova  Ripoll, Jorge Moreno, Ignacio	Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3)  Keynote (30 min=25+5) Invited (20 min=15+5) Invited (20 min=15+5) Invited (20 min=15+5)
11:15-12:30 (1h15m) 132 Development of drug-loaded magneto-sensitive liposomes investigated by fluorescence techniques Cardoso, Beatriz Oral (15 min=12+3) Chair(s): António Lobo 235 Cross-validation of EEG data for Cognitive Workload Evaluation using an Eye-tracker in Imaging System Tasks Mendonca, Pedro Oral (15 min=12+3)	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni  MONDAY, June 3 Plenary PI7 8:55 - 9:40 (45 min) Chair(s): Paulo Fiadeiro  Parallel Sessions Mo.1.a 9:45 - 10:45 (1 h) Chair(s): Sandra Franco  Parallel Sessions Mo.1.b 9:45 - 10:45 (1 h) Chair(s): Jürgen Jahns  Parallel Sessions Mo.1.c 9:45 - 10:55 (1:10 h) Chair(s): Igor' Nabiev  Parallel Sessions Mo.2.a 11:15-12:30 (1h15m)	1600 1288 1390 1277 1491 1455 1177 155 2000 1666 1444 40 194 888 177 79 1055 1199 10566 22077 1255 52	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel Variations of the optical properties of two types of contact lenses with dehydration Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators Simultaneous measurement of refractive index and temperature using a double antiresonant holiow core fiber Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications Fluids of Light in atomic systems: from superfluidity to quantum simulations Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy Analysis of Fizeau wedge with a non-air gap by plane wave expansion Simulation analysis of a thin film semiconductor MMI 3 dB splitter opersting in the visible range  Optical techniques for improved vision  Modelling effect of time on visual acuity for vanishing and conventional optotypes Limitation of tables indicating the relation between age and reading addition for presbyopia correction influence of pupil function in pseudophakia Smartphone viewing distance during active or passive tasks and relation to heterophoria  Seeing around corners: using the light field to extract information from scattered light Three-dimensional surface reconstruction for evaluation of winkling on textile fabrics Optics-computer vision combination for object detection and marking  Linfluence of morphology on the exciton fine structure of single c	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Caivo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita Lourenço, Paulo  Artal, Pablo  Fiadeiro, Paulo Panke, Karola Fonseca, Elsa Panke, Karola Handelman, Amir Goupalov, Serguel Stanciu, Stefan Battie, Yann Tatiana Pereziabova	Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3)
11:15-12:30 (1h15m) 132 Development of drug-loaded magneto-sensitive liposomes investigated by fluorescence techniques Cardoso, Beatriz Oral (15 min=12+3) Chair(s): António Lobo 235 Cross-validation of EEG data for Cognitive Workload Evaluation using an Eye-tracker in Imaging System Tasks Mendonca, Pedro Oral (15 min=12+3)	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni  MONDAY, June 3 Plenary PI7 8:55 - 9:40 (45 min) Chair(s): Paulo Fiadeiro  Parallel Sessions Mo.1.a 9:45 - 10:45 (1 h) Chair(s): Sandra Franco  Parallel Sessions Mo.1.b 9:45 - 10:45 (1 h) Chair(s): Jürgen Jahns  Parallel Sessions Mo.1.c 9:45 - 10:55 (1:10 h) Chair(s): Igor' Nabiev  Parallel Sessions Mo.2.a 11:15-12:30 (1h15m)	1600 1288 1390 1277 1491 1455 1177 155 2000 1666 1444 40 194 888 177 79 1055 1199 10566 22077 1255 52	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel Variations of the optical properties of two types of contact lenses with dehydration Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators Simultaneous measurement of refractive index and temperature using a double antiresonant holiow core fiber Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications Fluids of Light in atomic systems: from superfluidity to quantum simulations Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy Analysis of Fizeau wedge with a non-air gap by plane wave expansion Simulation analysis of a thin film semiconductor MMI 3 dB splitter opersting in the visible range  Optical techniques for improved vision  Modelling effect of time on visual acuity for vanishing and conventional optotypes Limitation of tables indicating the relation between age and reading addition for presbyopia correction influence of pupil function in pseudophakia Smartphone viewing distance during active or passive tasks and relation to heterophoria  Seeing around corners: using the light field to extract information from scattered light Three-dimensional surface reconstruction for evaluation of winkling on textile fabrics Optics-computer vision combination for object detection and marking  Linfluence of morphology on the exciton fine structure of single c	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Caivo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita Lourenço, Paulo  Artal, Pablo  Fiadeiro, Paulo Panke, Karola Fonseca, Elsa Panke, Karola Handelman, Amir Goupalov, Serguel Stanciu, Stefan Battie, Yann Tatiana Pereziabova	Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3)
Chair(s): António Lobo 235 Cross-validation of EEG data for Cognitive Workload Evaluation using an Eye-tracker in Imaging System Tasks Mendonca, Pedro Oral (15 min=12+3)	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni  MONDAY, June 3 Plenary PI7 8:55 - 9:40 (45 min) Chair(s): Paulo Fiadeiro  Parallel Sessions Mo.1.a 9:45 - 10:45 (1 h) Chair(s): Sandra Franco  Parallel Sessions Mo.1.b 9:45 - 10:45 (1 h) Chair(s): Jürgen Jahns  Parallel Sessions Mo.1.c 9:45 - 10:55 (1:10 h) Chair(s): Igor' Nabiev  Parallel Sessions Mo.2.a 11:15-12:30 (1h15m) Chair(s): Paulo Tavares	160 1288 130 127 145 117, 73 47 15 200 91 166 144 40 	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel Variations of the optical properties of two types of contact lenses with dehydration Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer Fibre-integrated phase-change devices Use and validation of fiber optic gratings for planetary exploration: new challenges Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications Fluids of Light in atomic systems: from superfluidity to quantum simulations Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy Analysis of Fizeau wedge with a non-air gap by plane wave expansion Simulation analysis of a thin film semiconductor MMI 3 dB splitter opersting in the visible range  Modelling effect of time on visual acuity for vanishing and conventional optotypes Unitation of tables indicating the relation between age and reading addition for presbyopia correction Influence of pupil function in pseudophakia Smartphone viewing distance during active or passive tasks and relation to heterophoria  Seeing around corners: using the light field to extract information from scattered light Three-dimensional surface reconstruction for evaluation of winkling on textile fabrics Optics-computer vision combination for object detection and marking  Influence of morphology on the exciton fine structure of single colloidal nanoplatelets Quantitative imaging	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita Lourenço, Paulo Artal, Pablo  Fiadeiro, Paulo Panke, Karola Fonseca, Elsa Panke, Karola Leger, James de Oliveira Mendes, António Handelman, Amir Goupalov, Serguei Stanciu, Stefan Battie, Yann Tatiana Pereziabova  Ripoli, Jorge Moreno, Ignacio Golub, Michael Carnicer, Artur	Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3) Oral (15 min=12+3)
	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni  MONDAY, June 3 Plenary PI7 8:55 - 9:40 (45 min) Chair(s): Paulo Fiadeiro  Parallel Sessions Mo.1.a 9:45 - 10:45 (1 h) Chair(s): Jürgen Jahns Parallel Sessions Mo.1.c 9:45 - 10:55 (1:10 h) Chair(s): Igor' Nabiev  Parallel Sessions Mo.2.a 11:15-12:30 (1h15m) Chair(s): Paulo Tavares  Parallel Sessions Mo.2.b	1600 1288 1300 127 127 127 127 127 127 127 127 127 127	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel Variations of the optical properties of two types of contact lenses with dehydration Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Brage grating sensors: challenges on optical interrogators Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer Fibre-integrated phase-change devices  Use and validation of fiber optic gratings for planetary exploration: new challenges Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity  Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications Fluids of light in atomic systems: from superfluidity to quantum simulations  Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy Analysis of Fizeau wedge with a non-air gap by plane wave expansion Simulation analysis of a thin film semiconductor MMI 3 dB splitter opersting in the visible range  Optical techniques for improved vision  Modelling effect of time on visual acuity for vanishing and conventional optotypes Limitation of tables indicating the relation between age and reading addition for presbyopia correction Influence of pupil function in pseudophakia  Smartphone viewing distance during active or passive tasks and relation to heterophoria  Seeing around corners: using the light field to extract information from scattered light  Three-dimensional surface reconstruction for evaluation of winkling on textile fabrics  Optics-computer vision combination for object detection and marking  Influence of morphology on the exciton fine structure of singl	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Siiva, Nuno Costa Martins, Rui Deneva, Margarita Lourenço, Paulo  Artal, Pablo  Fiadeiro, Paulo Panke, Karola Fonseca, Elsa Panke, Karola Horiera, James de Oliveira Mendes, António Handelman, Amir Goupalov, Serguei Stanciu, Stefan Battie, Yann Tatiana Pereziabova  Ripoll, Jorge Moreno, Ignacio Golub, Michael Carnicer, Artur  Rodrigues Ribeiro, Ana Rita	Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3) Invited (10 min=12+5)
225 Holographic optical tweezers at the tip of a multimode fibre Leite, Ivo Oral (15 min=12+3)	11:15-12:30 (1h30m) Chair(s): Brendan Barret António Baptista  Parallel Sessions Su.2.b 11:15-12:30 (1h30m) Chair(s): Orlando Frazão Susana Silva  Parallel Sessions Su.2.c 11:15-12:30 (1h30m) Chair(s): Manuel F. Costa Alessandro Fantoni  MONDAY, June 3 Plenary PI7 8:55 - 9:40 (45 min) Chair(s): Paulo Fiadeiro  Parallel Sessions Mo.1.a 9:45 - 10:45 (1 h) Chair(s): Jürgen Jahns Parallel Sessions Mo.1.c 9:45 - 10:55 (1:10 h) Chair(s): Igor' Nabiev  Parallel Sessions Mo.2.a 11:15-12:30 (1h15m)  Parallel Sessions Mo.2.b 11:15-12:30 (1h15m)	1600 1288 1390 1277 145 1177 73 477 155 2000 1666 1444 40 194 888 177 77 9 9 1244 888 177 76 105 119 105 119 105 119 119 119 119 119 119 119 119 119 11	Short-review about the safety and effectiveness of implantable collamer lenses for the correction of refractive errors Evaluation of the optical properties of two different types of soft contact lenses: hydrogel and silicone-hydrogel Variations of the optical properties of two types of contact lenses with dehydration Epidemiology of vision problems in Europe: a Portuguese perspective  Structural health monitoring with fiber Bragg grating sensors: challenges on optical interrogators Simultaneous measurement of refractive index and temperature using a double antiresonant hollow core fiber Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer Fibre-integrated phase-change devices Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity Unveiling the potential of fused polymer optical fibers: emergence of magnetic field sensitivity Fundamentals of neutron waveguides: a proposal for slow neutron beams confinement and applications Fluids of Light in atomic systems: from superfluidity to quantum simulations Unscrambling complex sample composition, variability and multi-scale interference in optical spectroscopy Analysis of Fizeau wedge with a non-air gap by plane wave expansion Simulation analysis of a thin film semiconductor MMI 3 dB splitter opersting in the visible range  Modelling effect of time on visual acuity for vanishing and conventional optotypes Lumitation of tables indicating the relation between age and reading addition for presbyopia correction Influence of pupil function in pseudophakia Smartphone viewing distance during active or passive tasks and relation to heterophoria  Seeing around corners: using the light field to extract information from scattered light Three-dimensional surface reconstruction for evaluation of winkling on textile fabrics Optics computer vision combination for object detection and marking  Influence of morphology on the exciton fine structure of single colloidal nanoplatelets Quantita	Serra, Pedro Ionescu, Ana Maria Ionescu, Ana Maria Teixeira, Eduardo Araújo, Francisco Ferreira, Marta Gomes, André Martins, Tiago J. López Heredero, Raquel Paixão, Tiago Calvo Padilla, Maria Luisa Azevedo Silva, Nuno Costa Martins, Rui Deneva, Margarita Lourenço, Paulo  Artal, Pablo  Fiadeiro, Paulo Panke, Karola Fonseca, Elsa Panke, Karola Fonseca, Elsa Panke, Karola Handelman, Amir Goupalov, Serguei Stanciu, Stefan Battie, Yann Tatiana Pereziabova  Ripoll, Jorge Moreno, Ignacio Golub, Michael Carnicer, Artur  Rodrigues Ribeiro, Ana Rita Cardoso, Beatriz	Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3) Invited (20 min=15+5) Oral (15 min=12+3)
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Parallel Sessions Mo.2.c 11:15-12:35 (1h20m)				i
	171	Photorealistic ray-traced visualization of the compound insect eyes	Lee, Hocheol	Oral (15 min=12+3)
11:15-12:35 (1h20m)	186	Nanophotonic tools based on the conjugates of nanoparticles with the single-domain antibodies for multi-photon micrometastases detection	Nabiev, Igor	Invited (20 min=15+5)
11.15 12.55 (11120111)		Towards optically-detected high-speed magnetic resonance spectrum measurements	Mignon, Charles	Oral (15 min=12+3)
Chair(s): Yann Battie		The crucial role of surface ligands in photostability of colloidal quantum dots	Zvaigzne, Mariya	Oral (15 min=12+3)
		Collective modes of self-assembled supercluster metamaterials: towards label-free sensing  Studying the optical properties of carbon dots depending on the solvent type	Rakovich, Aliaksandra	Oral (15 min 12+3)
	146	Studying the optical properties of carbon dots depending on the solvent type	Stepanidenko, Evgeniia	Oral (15 min 12+3)
Disease DIO	42		Addison Chafes	DI (45 : 40 5)
Plenary Pl8 13:55 - 14:40 (45 min)	13	Nanoplasmonics for energy conversion: generation of hot electrons and of acoustic surface waves	Meier, Stefan	Plenary (45 min=40+5)
Chair(s): Mikhail Vasilevskiy				
Parallel Sessions Mo.3.a 14:45-16:00 (1h15m)		2D Materials for Polaritonics Tuning the properties of surface magnon-polaritons on a ferromagnet using a graphene sheet	Peres, Nuno Costa, António	Invited (20 min=17+3) Oral (15 min=12+3)
Chair(s): Stefan Maier		Manipulations of light emission through defect engineering in 2D materials	Woon, Wei-Yen	Invited (20 min=17+3)
	82	Enhancing nanoplasmonic sensing with metallic nanowires: from D-type to suspended core fibres	Santos, Diego	Oral (15 min=12+3)
Parallel Sessions Mo.3.b	240	Laser Spectroscopy Applied to Environmental, Ecological, Agricultural and Food Safety Research	Svanberg, Sune	Keynote (30 min=25+5)
14:45-16:00 (1h15m)		Effect of hepatic vein on gold-nanoparticle-mediated-hyperthermia in liver cancer	Jalali, Mandana	Invited (20 min=17+3)
Chair(s): Rogério Nogueira		Core-shell magnetic-plasmonic nanoparticles enclosed in biocompatible hydrogels for multimodal cancer therapy	Veloso, Sérgio	Oral (15 min=12+3)
	120	Development of magnetic/plasmonic nickel ferrite/gold nanoparticles covered with lipid bilayers for applications in combined cancer therap	Rourigues, Rita	Oral (15 min=12+3)
Parallel Sessions Mo.3.c	224	Optical fibres in astronomical spectrographs	Avila, Gerardo	Keynote (30 min=25+5)
14:45-16:00 (1h15m)		Study on creating an aspheric primary mirror of a large telescope using spherical mirror segments	Annu, Jacob	Oral (15 min=12+3)
Chair(s): Manuel Abreu		Ultra-low noise optoelectronic sensor in white light source for CCD calibrations instrument  Atmospheric dispersion correction: model requirements and impact on radial velocity measurements	Alves, David Wehbe, Bachar	Oral (15 min=12+3) Oral (15 min=12+3)
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Poster Sessions Mo.T		Ultra-fast DNA sequence alignment utilizing optical 1D Fourier transform	Sadeghzadeh Bahnamiri, Hoda	Poster
16:00-17:00 (1h)	76	Optical pattern generator for efficient bio-data encoding in a photonic sequence alignment architecture	Akbari Rokn-Abadi, Saeedeh	Poster
Chair(s): João Coelho		Fiber optic sensor for monitoring tangential and vertical forces for wheelchair application  A Hermite-based approach to bone segmentation in CT images	Antunes Pereira, Luís Miguel Vargas-Quintero, Lorena	Poster Poster
Alexandre Cabra		An image fusion scheme based on the hermite transform for nuclear medicine and magnetic resonance analysis	Barba Jimenez, Leiner	Poster
	157	Magnetic circular dichroism spectroscopy of QDs/SPIONs nanosystems	Orlova, Anna	Poster
		Raman spectroscopy and diffuse reflectance of biomass soot samples  Assessment of light's dazzling effect on the EEG signal of subjects performing tasks that require concentration	Peña-Gomar, Mary Carmen Santos, João	Poster Poster
		Designing fibre probes for holographic microendoscopy	Silveira, Beatriz	Poster
		Electrophoretic light scattering for study mixed saliva studies	Savchenko, Ekaterina	Poster
		Hardware/software co-design for structural analysis of biosubstrate  Visual search in three-dimensional non-medical images: visual-motor performance of radiologists	Savchenko, Ekaterina Pladere, Tatjana	Poster Poster
		Assessment of the accommodative facility training with flippers between sessions	Calo-Santiago, Rosa	Poster
		Study of the ocular biometric changes and stray light on diabetic patients	Teixeira dos Reis, Clarisse	Poster
		The impact of keratoconus apex's localization on eye aberrations  Jacobi-Fourier polynomials phase masks for high resolution imaging of the retina	Liduma, Sanita Olvera-Angeles, Miguel	Poster
		Experimental performance of Jacobi-Fourier polynomials phase masks for wavefront coding	Gonzalez-Amador, Enrique	Poster Poster
		Improving slit lamp managing skills with low cost spy wifi cameras	Arines, Justo	Poster
		Using FVSQ to identify functional indicators of visual problems among older people residing in nursing homes: a study in Santiago de Compo Analysis of the relationship of the central tear meniscus area with the tear film symptomatology and stability	Vázquez Sánchez, Covadonga Garcia-Resua, Carlos	Poster Poster
		Meibomian gland loss area and its relationship with age and ocular surface disease index	Garcia-Queiruga, Jacobo	Poster
	97	Relationship between visual therapy vectograms and accommodative parameters in young healthy subjects	Pena-Verdeal, Hugo	Poster
		Evaluation of the relationship between symptomatic assessment, corneal staining and tear meniscus by image analysis	Garcia-Montero, Silvia	Poster
		Assessment of Van Herick Technique by using ImageJ software The influence of coloured lighting on ocular accommodation	Ferreiro, Dolores Moreira, Raquel	Poster Poster
		Compensative effect between corneal and internal ocular aberrations during a near vision task	Jéssica, Gomes	Poster
		The influence of coloured lighting on visual acuity and visual contrast sensitivity  Astigmatism correction in direct ophthalmoscopy	Gil, Marta Arines, Justo	Poster
				Doctor
	120	Prevalence of accommodative and binocular vision dysfunctions in a Portuguese clinical population		Poster Poster
		Prevalence of accommodative and binocular vision dysfunctions in a Portuguese clinical population In line Fabry-Perot cavities manufactured by electric arc fusion of NIR-laser micro-drilled optical fiber flat tips	Franco, Sandra Nespereira, Marta	
	196 182	In line Fabry-Perot cavities manufactured by electric arc fusion of NIR-laser micro-drilled optical fiber flat tips 3D prototyping of a fiber Bragg grating vibration sensor for power transformers	Franco, Sandra Nespereira, Marta Monteiro, Catarina	Poster Poster Poster
	196 182 211	In line Fabry-Perot cavities manufactured by electric arc fusion of NIR-laser micro-drilled optical fiber flat tips 3D prototyping of a fiber Bragg grating vibration sensor for power transformers In-plane wavelength multiplexing of fibre Bragg gratings in a multicore optical fibre	Franco, Sandra Nespereira, Marta	Poster Poster Poster Poster
	196 182 211 221 227	In line Fabry-Perot cavities manufactured by electric arc fusion of NIR-laser micro-drilled optical fiber flat tips 3D prototyping of a fiber Bragg grating vibration sensor for power transformers In-plane wavelength multiplexing of fibre Bragg gratings in a multicore optical fibre Interrogation methods for functionalized optical microbubble resonators aimed at water microcontaminants Measurement of the temperature using an optical fiber with nanoparticles on the surface	Franco, Sandra Nespereira, Marta Monteiro, Catarina Idrisov, Ravil Santos, Paulo Avila Padilla, Duber	Poster Poster Poster Poster Poster Poster
	196 182 211 221 227 229	In line Fabry-Perot cavities manufactured by electric arc fusion of NIR-laser micro-drilled optical fiber flat tips 3D prototyping of a fiber Bragg grating vibration sensor for power transformers In-plane wavelength multiplexing of fibre Bragg gratings in a multicore optical fibre Interrogation methods for functionalized optical microbubble resonators aimed at water microcontaminants Measurement of the temperature using an optical fiber with nanoparticles on the surface Sensitivity of TiO2-coated optical microfibers for temperature measurement	Franco, Sandra Nespereira, Marta Monteiro, Catarina Idrisov, Ravil Santos, Paulo Avila Padilla, Duber Horta, Sindi	Poster Poster Poster Poster Poster Poster Poster
	196 182 211 221 227 229 233	In line Fabry-Perot cavities manufactured by electric arc fusion of NIR-laser micro-drilled optical fiber flat tips 3D prototyping of a fiber Bragg grating vibration sensor for power transformers In-plane wavelength multiplexing of fibre Bragg gratings in a multicore optical fibre Interrogation methods for functionalized optical microbubble resonators aimed at water microcontaminants Measurement of the temperature using an optical fiber with nanoparticles on the surface	Franco, Sandra Nespereira, Marta Monteiro, Catarina Idrisov, Ravil Santos, Paulo Avila Padilla, Duber	Poster Poster Poster Poster Poster Poster
	196 182 211 221 227 229 233 234 60	In line Fabry-Perot cavities manufactured by electric arc fusion of NIR-laser micro-drilled optical fiber flat tips 3D prototyping of a fiber Bragg grating vibration sensor for power transformers In-plane wavelength multiplexing of fibre Bragg gratings in a multicore optical fibre Interrogation methods for functionalized optical microbubble resonators aimed at water microcontaminants Measurement of the temperature using an optical fiber with nanoparticles on the surface Sensitivity of TiO2-coated optical microfibers for temperature measurement Optical fiber cavity coated with polyvinylidene fluoride (PVDF) for humidity sensing Luminescent materials based on anisometric lanthanide complexes Optical thermometer based on surface plasmon resonance	Franco, Sandra Nespereira, Marta Monteiro, Catarina Idrisov, Ravil Santos, Paulo Avila Padilla, Duber Horta, Sindi Vaz Rodrigues, António Knyazev, Andrey Coello, Victor	Poster
	196 182 211 221 227 229 233 234 60 67	In line Fabry-Perot cavities manufactured by electric arc fusion of NIR-laser micro-drilled optical fiber flat tips 3D prototyping of a fiber Bragg grating vibration sensor for power transformers In-plane wavelength multiplexing of fibre Bragg gratings in a multicore optical fibre Interrogation methods for functionalized optical microbubble resonators aimed at water microcontaminants Measurement of the temperature using an optical fiber with nanoparticles on the surface Sensitivity of TiO2-coated optical microfibers for temperature measurement Optical fiber cavity coated with polyvinylidene fluoride (PVDF) for humidity sensing Luminescent materials based on anisometric lanthanide complexes Optical thermometer based on surface plasmon resonance Recent developments on fiber-based ring-down technique for remote sensing	Franco, Sandra Nespereira, Marta Monteiro, Catarina Idrisov, Ravil Santos, Paulo Avila Padilla, Duber Horta, Sindi Vaz Rodrigues, António Knyazev, Andrey Coello, Victor Silva, Susana	Poster
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Parallel Sessions Mo.4.a	196 182 211 221 227 229 233 234 60 67 155 84 190 226 226 173 202 215 237	In line Fabry-Perot cavities manufactured by electric arc fusion of NIR-laser micro-drilled optical fiber flat tips 3D prototyping of a fiber Bragg grating vibration sensor for power transformers In-plane wavelength multiplexing of fiber Bragg gratings in a multicore optical fibre Interrogation methods for functionalized optical microbubble resonators aimed at water microcontaminants Measurement of the temperature using an optical fiber with nanoparticles on the surface Sensitivity of TiO2-coated optical microfibers for temperature measurement Optical fiber cavity coated with polyvinylidene fluoride (PVDF) for humidity sensing Luminescent materials based on anisometric lanthanide complexes Optical thermometer based on surface plasmon resonance Recent developments on fiber-based ring-down technique for remote sensing Response of optically transparent pH sensing films to environmental conditions Femtosecond laser micromachining of Fabry-Perot interferometers in fused silica for refractive index sensing Electrodynamics model of a hydrogen sensor based on a special photonic crystal fiber taper coated with a nano-scale palladium film Polycaprolactone as a biomaterial host for second-harmonic generation Application of a novel LIBS prototype as an analytical grade tool for Li quantification in pegmatite samples Efficient and stable holographic gratings stored in an environmentally friendly photopolymer Measurement of the refractive index of glass by optical metrology Studies of biological liquid films for preliminary diagnostics Compositional optical and electrical characteristics of SIOx thin films deposited by reactive pulsed DC magnetron sputtering	Franco, Sandra Nespereira, Marta Monteiro, Catarina Idrisov, Ravil Santos, Paulo Avila Padilla, Duber Horta, Sindi Vaz Rodrigues, António Knyazev, Andrey Coello, Victor Silva, Susana Topasna, Daniela Maia, João Minkovich, Vladimir Bernardo, Cesar Ferreira, Miguel Morales-Vidal, Marta Leite, Inës Savchenko, Ekaterina Carneiro, Joaquim Jahns, Jürgen	Poster
17:00-18:30 (1h30m)	196 182 211 227 229 233 60 67 155 84 190 226 173 2002 215 237 195	In line Fabry-Perot cavities manufactured by electric arc fusion of NIR-laser micro-drilled optical fiber flat tips 3D prototyping of a fiber Bragg grating vibration sensor for power transformers In-plane wavelength multiplexing of fibre Bragg gratings in a multicore optical fibre Interrogation methods for functionalized optical microbubble resonators aimed at water microcontaminants Measurement of the temperature using an optical fiber with nanoparticles on the surface Sensitivity of TiO2-coated optical microfibers for temperature measurement Optical fiber cavity coated with polyvinylidene fluoride (PVDF) for humidity sensing Luminescent materials based on anisometric lanthanide complexes Optical thermometer based on surface plasmon resonance Recent developments on fiber-based ring-down technique for remote sensing Response of optically transparent pH sensing films to environmental conditions Femtosecond laser micromachining of Fabry-Pérot interferometers in fused silica for refractive index sensing Electrodynamics model of a hydrogen sensor based on a special photonic crystal fiber taper coated with a nano-scale palladium film Polycaprolactone as a biomaterial host for second-harmonic generation Application of a novel LIBS prototype as an analytical grade tool for Li quantification in pegmatite samples Efficient and stable holographic gratings stored in an environmentally friendly photopolymer Measurement of the refractive index of glass by optical metrology Studies of biological liquid films for preliminary diagnostics Compositional optical and electrical characteristics of SiOx thin films deposited by reactive pulsed DC magnetron sputtering  Symmetries in optical wavefields Neuromorphic photonics for future ultrafast brain-inspired computing systems	Franco, Sandra Nespereira, Marta Monteiro, Catarina Idrisov, Ravil Santos, Paulo Avila Padilla, Duber Horta, Sindi Vaz Rodrigues, António Knyazev, Andrey Coello, Victor Siliva, Susana Topasna, Daniela Maia, João Minkovich, Vladimir Bernardo, Cesar Ferreira, Miguel Morales-Vidal, Marta Leite, Inês Savchenko, Ekaterina Cameiro, Joaquim Jahns, Jürgen Hurtado, Antonio	Poster
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17:00-18:30 (1h30m) Chair(s): James Leger	196 182 211 221 227 229 233 234 60 67 155 84 190 226 173 202 215 237 195 3 219 45	In line Fabry-Perot cavities manufactured by electric arc fusion of NIR-laser micro-drilled optical fiber flat tips 3D prototyping of a fiber Bragg grating vibration sensor for power transformers In-plane wavelength multiplexing of fibre Bragg gratings in a multicore optical fibre Interrogation methods for functionalized optical microbubble resonators aimed at water microcontaminants Measurement of the temperature using an optical fiber with nanoparticles on the surface Sensitivity of TiO2-coated optical microfibers for temperature measurement Optical fiber cavity coated with polyvinylidene fluoride (PVDF) for humidity sensing Luminescent materials based on anisometric lanthanide complexes Optical thermometer based on surface plasmon resonance Recent developments on fiber-based ring-down technique for remote sensing Response of optically transparent pH sensing films to environmental conditions Femtosecond laser micromachining of Fabry-Pérot interferometers in fused silica for refractive index sensing Electrodynamics model of a hydrogen sensor based on a special photonic crystal fiber taper coated with a nano-scale palladium film Polycaprolactone as a biomaterial host for second-harmonic generation Application of a novel LIBS prototype as an analytical grade tool for Li quantification in pegmatite samples Efficient and stable holographic gratings stored in an environmentally friendly photopolymer Measurement of the refractive index of glass by optical metrology Studies of biological liquid films for preliminary diagnostics Compositional optical and electrical characteristics of SiOx thin films deposited by reactive pulsed DC magnetron sputtering  Symmetries in optical wavefields Neuromorphic photonics for future ultrafast brain-inspired computing systems Optically trapped micro-paddle for measuring piconewton forces Graphene oxide as a tunable platform for microsphere-based optical fiber sensors	Franco, Sandra Nespereira, Marta Monteiro, Catarina Idrisov, Ravil Santos, Paulo Avila Padilla, Duber Horta, Sindi Vaz Rodrigues, António Knyazev, Andrey Coello, Victor Silva, Susana Topasna, Daniela Maia, João Minkovich, Vladimir Bernardo, Cesar Ferreira, Miguel Morales-Vidal, Marta Leite, Inës Savchenko, Ekaterina Carneiro, Joaquim Jahns, Jürgen Hurtado, Antonio Lamperska, Weronika Monteiro, Catarina	Poster Source Poster Doster Noter Poster Noter Poster Post
17:00-18:30 (1h30m) Chair(s): James Leger Parallel Sessions Mo.4.b	1966 6 1921 1921 1921 1921 1921 1921 192	In line Fabry-Perot cavities manufactured by electric arc fusion of NIR-laser micro-drilled optical fiber flat tips 3D prototyping of a fiber Bragg grating vibration sensor for power transformers In-plane wavelength multiplexing of fibre Bragg gratings in a multicore optical fibre Interrogation methods for functionalized optical microbubble resonators aimed at water microcontaminants Measurement of the temperature using an optical fiber with nanoparticles on the surface Sensitivity of TiO2-coated optical microfibers for temperature measurement Optical fiber cavity coated with polyvinylidene fluoride (PVDF) for humidity sensing Luminescent materials based on anisometric lanthanide complexes Optical thermometer based on surface plasmon resonance Recent developments on fiber-based ring-down technique for remote sensing Response of optically transparent pH sensing films to environmental conditions Femtosecond laser micromachining of Fabry-Pérot interferometers in fused silica for refractive index sensing Electrodynamics model of a hydrogen sensor based on a special photonic crystal fiber taper coated with a nano-scale palladium film Polycaprolactione as a biomaterial host for second-harmonic generation Application of a novel LIBS prototype as an analytical grade tool for Li quantification in pegmatite samples Efficient and stable holographic gratings stored in an environmentally friendly photopolymer Measurement of the refractive index of glass by optical metrology Studies of biological liquid films for preliminary diagnostics Compositional optical and electrical characteristics of SiOx thin films deposited by reactive pulsed DC magnetron sputtering  Symmetries in optical wavefields Neuromorphic photonics for future ultrafast brain-inspired computing systems Optically trapped micro-paddle for measuring piconewton forces Graphene oxide as a tunable platform for microsphere-based optical fiber sensors	Franco, Sandra Nespereira, Marta Monteiro, Catarina Idrisov, Ravil Santos, Paulo Avila Padilla, Duber Horta, Sindi Vaz Rodrigues, António Knyazev, Andrey Coello, Victor Siliva, Susana Topasna, Daniela Maia, João Minkovich, Vladimir Bernardo, Cesar Ferreira, Miguel Morales-Vidal, Marta Leite, Inês Savchenko, Ekaterina Carneiro, Joaquim Jahns, Jürgen Hurtado, Antonio Lamperska, Weronika Monteiro, Catarina Williamson, Craig	Poster Commandation  Keynote (30 min=25+5) Val (15 min=12+3) Cral (15 min=12+3) Cral (15 min=12+3) Keynote (30 min=25+5)
17:00-18:30 (1h30m) Chair(s): James Leger	1966 1925 1936 1936 1936 1936 1936 1936 1936 1936	In line Fabry-Perot cavities manufactured by electric arc fusion of NIR-laser micro-drilled optical fiber flat tips 3D prototyping of a fiber Bragg grating vibration sensor for power transformers In-plane wavelength multiplexing of fibre Bragg gratings in a multicore optical fibre Interrogation methods for functionalized optical microbubble resonators aimed at water microcontaminants Measurement of the temperature using an optical fiber with nanoparticles on the surface Sensitivity of TiO2-coated optical microfibers for temperature measurement Optical fiber cavity coated with polyvinylidene fluoride (PVDF) for humidity sensing Luminescent materials based on anisometric lanthanide complexes Optical thermometer based on surface plasmon resonance Recent developments on fiber-based ring-down technique for remote sensing Response of optically transparent pH sensing films to environmental conditions Femtosecond laser micromachining of Fabry-Pérot interferometers in fused silica for refractive index sensing Electrodynamics model of a hydrogen sensor based on a special photonic crystal fiber taper coated with a nano-scale palladium film Polycaprolactone as a biomaterial host for second-harmonic generation Application of a novel LIBS prototype as an analytical grade tool for Li quantification in pegmatite samples Efficient and stable holographic gratings stored in an environmentally friendly photopolymer Measurement of the refractive index of glass by optical metrology Studies of biological liquid films for preliminary diagnostics Compositional optical and electrical characteristics of SiOx thin films deposited by reactive pulsed DC magnetron sputtering  Symmetries in optical wavefields Neuromorphic photonics for future ultrafast brain-inspired computing systems Optically trapped micro-paddle for measuring piconewton forces Graphene oxide as a tunable platform for microsphere-based optical fiber sensors	Franco, Sandra Nespereira, Marta Monteiro, Catarina Idrisov, Ravil Santos, Paulo Avila Padilla, Duber Horta, Sindi Vaz Rodrigues, António Knyazev, Andrey Coello, Victor Silva, Susana Topasna, Daniela Maia, João Minkovich, Vladimir Bernardo, Cesar Ferreira, Miguel Morales-Vidal, Marta Leite, Inës Savchenko, Ekaterina Carneiro, Joaquim Jahns, Jürgen Hurtado, Antonio Lamperska, Weronika Monteiro, Catarina	Poster Source Poster Doster Noter Poster Noter Poster Post
17:00-18:30 (1h30m) Chair(s): James Leger Parallel Sessions Mo.4.b 17:00-18:30 (1h30m)	1966 6 4 5 5 5 8 4 4 5 5 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	In line Fabry-Perot cavities manufactured by electric arc fusion of NIR-laser micro-drilled optical fiber flat tips 3D prototyping of a fiber Bragg grating vibration sensor for power transformers In-plane wavelength multiplexing of fibre Bragg gratings in a multicore optical fibre Interrogation methods for functionalized optical microbubble resonators aimed at water microcontaminants Measurement of the temperature using an optical fiber with nanoparticles on the surface Sensitivity of TiO2-coated optical microfibers for temperature measurement Optical fiber cavity coated with polyvinylidene fluoride (PVDF) for humidity sensing Luminescent materials based on anisometric lanthanide complexes Optical thermometer based on surface plasmon resonance Recent developments on fiber-based ring-down technique for remote sensing Response of optically transparent pH sensing films to environmental conditions Femtosecond laser micromachining of Fabry-Pérot interferometers in fused silica for refractive index sensing Electrodynamics model of a hydrogen sensor based on a special photonic crystal fiber taper coated with a nano-scale palladium film Polycaprolactone as a biomaterial host for second-harmonic generation Application of a novel LIBS prototype as an analytical grade tool for Li quantification in pegmatite samples Efficient and stable holographic gratings stored in an environmentally friendly photopolymer Measurement of the refractive index of glass by optical metrology Studies of biological liquid films for preliminary diagnostics Compositional optical and electrical characteristics of SiOx thin films deposited by reactive pulsed DC magnetron sputtering  Symmetries in optical wavefields Neuromorphic photonics for future ultrafast brain-inspired computing systems Optically trapped micro-paddle for measuring piconewton forces Graphene oxide as a tunable platform for microsphere-based optical fiber sensors  Preparing to be dazzled: experiments in laser eye dazzle  Development and application of laser hologram production te	Franco, Sandra Nespereira, Marta Monteiro, Catarina Idrisov, Ravil Santos, Paulo Avila Padilla, Duber Horta, Sindi Vaz Rodrigues, António Knyazev, Andrey Coello, Victor Silva, Susana Topasna, Daniela Maia, João Minkovich, Vladimir Bernardo, Cesar Ferreira, Miguel Morales-Vidal, Marta Leite, Inês Savchenko, Ekaterina Carneiro, Joaquim Jahns, Jürgen Hurtado, Antonio Lamperska, Weronika Monteiro, Catarina Williamson, Craig Chibaca, José Caiongo Vieira, Manuela Tavares, Paulo	Poster Sour (30 min=25+5) Keynote (30 min=25+5) Oral (15 min=12+3)
17:00-18:30 (1h30m) Chair(s): James Leger  Parallel Sessions Mo.4.b 17:00-18:30 (1h30m) Chair(s): Celso João	1966 6 4 5 5 5 8 4 4 5 5 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	In line Fabry-Perot cavities manufactured by electric arc fusion of NIR-laser micro-drilled optical fiber flat tips 3D prototyping of a fiber Bragg grating vibration sensor for power transformers In-plane wavelength multiplexing of fiber Bragg gratings in a multicore optical fibre Interrogation methods for functionalized optical microbubble resonators aimed at water microcontaminants Measurement of the temperature using an optical fiber with nanoparticles on the surface Sensitivity of TiO2-coated optical microfibers for temperature measurement Optical fiber cavity coated with polyvinylidene fluoride (PVDF) for humidity sensing Luminescent materials based on anisometric lanthanide complexes Optical thermometer based on surface plasmon resonance Recent developments on fiber-based ring-down technique for remote sensing Response of optically transparent pH sensing films to environmental conditions Femtosecond laser micromachining of Fabry-Perot interferometers in fused silica for refractive index sensing Electrodynamics model of a hydrogen sensor based on a special photonic crystal fiber taper coated with a nano-scale palladium film Polycaprolactone as a biomaterial host for second-harmonic generation Application of a novel LIBS prototype as an analytical grade tool for Li quantification in pegmatite samples Efficient and stable holographic gratings stored in an environmentally friendly photopolymer Measurement of the refractive index of glass by optical metrology Studies of biological liquid films for preliminary diagnostics Compositional optical and electrical characteristics of SiOx thin films deposited by reactive pulsed DC magnetron sputtering  Symmetries in optical wavefields Neuromorphic photonics for future ultrafast brain-inspired computing systems Optically trapped micro-paddle for measuring piconewton forces Graphene oxide as a tunable platform for microsphere-based optical fiber sensors  Preparing to be dazzled: experiments in laser eye dazzle Development and application of laser hologram production tec	Franco, Sandra Nespereira, Marta Monteiro, Catarina Idrisov, Ravil Santos, Paulo Avila Padilla, Duber Horta, Sindi Vaz Rodrigues, António Knyazev, Andrey Coello, Victor Silva, Susana Topasna, Daniela Maia, João Minkovich, Vladimir Bernardo, Cesar Ferreira, Miguel Morales-Vidal, Marta Leite, Inês Savchenko, Ekaterina Carneiro, Joaquim Jahns, Jürgen Hurtado, Antonio Lamperska, Weronika Monteiro, Catarina Williamson, Craig Chibaca, José Caiongo Vieira, Manuela	Poster Oral (15 min=25+5) Keynote (30 min=25+5) Cral (15 min=12+3) Oral (15 min=12+3) Oral (15 min=12+3) Oral (15 min=12+3) Oral (15 min=12+3)
17:00-18:30 (1h30m) Chair(s): James Leger  Parallel Sessions Mo.4.b 17:00-18:30 (1h30m) Chair(s): Celso João	1966 1925 1936 1936 1936 1936 1936 1936 1936 1936	In line Fabry-Perot cavities manufactured by electric arc fusion of NIR-laser micro-drilled optical fiber flat tips 3D prototyping of a fiber Bragg grating vibration sensor for power transformers In-plane wavelength multiplexing of fibre Bragg gratings in a multicore optical fibre Interrogation methods for functionalized optical microbubble resonators aimed at water microcontaminants Measurement of the temperature using an optical fiber with nanoparticles on the surface Sensitivity of TiO2-coated optical microfibers for temperature measurement Optical fiber cavity coated with polyvinylidene fluoride (PVDF) for humidity sensing Luminescent materials based on anisometric lanthanide complexes Optical thermometer based on surface plasmon resonance Recent developments on fiber-based ring-down technique for remote sensing Response of optically transparent pH sensing films to environmental conditions Femtosecond laser micromachining of Fabry-Pérot interferometers in fused silica for refractive index sensing Electrodynamics model of a hydrogen sensor based on a special photonic crystal fiber taper coated with a nano-scale palladium film Polycaprolactone as a biomaterial host for second-harmonic generation Application of a novel LIBS prototype as an analytical grade tool for Li quantification in pegmatite samples Efficient and stable holographic gratings stored in an environmentally friendly photopolymer Measurement of the refractive index of glass by optical metrology Studies of biological liquid films for preliminary diagnostics Compositional optical and electrical characteristics of SiOx thin films deposited by reactive pulsed DC magnetron sputtering  Symmetries in optical wavefields Neuromorphic photonics for future ultrafast brain-inspired computing systems Optically trapped micro-paddle for measuring piconewton forces Graphene oxide as a tunable platform for microsphere-based optical fiber sensors  Preparing to be dazzled: experiments in laser eye dazzle  Development and application of laser hologram production te	Franco, Sandra Nespereira, Marta Monteiro, Catarina Idrisov, Ravil Santos, Paulo Avila Padilla, Duber Horta, Sindi Vaz Rodrigues, António Knyazev, Andrey Coello, Victor Silva, Susana Topasna, Daniela Maia, João Minkovich, Vladimir Bernardo, Cesar Ferreira, Miguel Morales-Vidal, Marta Leite, Inês Savchenko, Ekaterina Carneiro, Joaquim Jahns, Jürgen Hurtado, Antonio Lamperska, Weronika Monteiro, Catarina Williamson, Craig Chibaca, José Caiongo Vieira, Manuela Tavares, Paulo	Poster Sour (30 min=25+5) Keynote (30 min=25+5) Oral (15 min=12+3)
17:00-18:30 (1h30m) Chair(s): James Leger  Parallel Sessions Mo.4.b 17:00-18:30 (1h30m) Chair(s): Celso João Hugo Pires  Parallel Sessions Mo.4.c 17:00-18:30 (1h30m)	196 6 6 1 185 2 2 2 4 4 5 2 5 4 4 5 2 5 4 6 6 1 185 2 5 4 6 6 1 185 2 5 6 6 6 1 185 2 5 6 6 6 1 185 2 5 6 6 6 1 185 2 5 6 6 6 1 185 2 5 6 6 6 1 185 2 5 6 6 6 1 185 2 5 6 6 6 1 185 2 5 6 6 6 1 185 2 5 6 6 6 1 185 2 5 6 6 6 1 185 2 5 6 6 6 1 185 2 5 6 6 6 1 185 2 5 6 6 6 1 185 2 5 6 6 6 1 185 2 5 6 6 6 1 185 2 5 6 6 6 1 185 2 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	In line Fabry-Perot cavities manufactured by electric arc fusion of NIR-laser micro-drilled optical fiber flat tips 3D prototyping of a fiber Bragg grating vibration sensor for power transformers In-plane wavelength multiplexing of fibre Bragg gratings in a multicore optical fibre Interrogation methods for functionalized optical microbubble resonators aimed at water microcontaminants Measurement of the temperature using an optical fiber with nanoparticles on the surface Sensitivity of TiO2-coated optical microfibers for temperature measurement Optical fiber cavity coated with polyvinylidene fluoride (PVDF) for humidity sensing Luminescent materials based on anisometric lanthanide complexes Optical thermometer based on surface plasmon resonance Recent developments on fiber-based ring-down technique for remote sensing Response of optically transparent pH sensing films to environmental conditions Femtosecond laser micromachining of Fabry-Pérot interferometers in fused silica for refractive index sensing Electrodynamics model of a hydrogen sensor based on a special photonic crystal fiber taper coated with a nano-scale palladium film Polycaprolactone as a biomaterial host for second-harmonic generation Application of a novel LIBS prototype as an analytical grade tool for Li quantification in pegmatite samples Efficient and stable holographic gratings stored in an environmentally friendly photopolymer Measurement of the refractive index of glass by optical metrology Studies of biological liquid films for preliminary diagnostics Compositional optical and electrical characteristics of SiOx thin films deposited by reactive pulsed DC magnetron sputtering  Symmetries in optical wavefields Neuromorphic photonics for future ultrafast brain-inspired computing systems Optically trapped micro-paddle for measuring piconewton forces Graphene oxide as a tunable platform for microsphere-based optical fiber sensors  Preparing to be dazzled: experiments in laser eye dazzle  Development and application of laser hologram production te	Franco, Sandra Nespereira, Marta Monteiro, Catarina Idrisov, Ravil Santos, Paulo Avila Padilla, Duber Horta, Sindi Vaz Rodrigues, António Knyazev, Andrey Coello, Victor Silva, Susana Topasna, Daniela Maia, João Minkovich, Vladimir Bernardo, Cesar Ferreira, Miguel Morales-Vidal, Marta Leite, Inês Savchenko, Ekaterina Carmeiro, Joaquim Jahns, Jürgen Hurtado, Antonio Lamperska, Weronika Monteiro, Catarina Williamson, Craig Chibaca, José Caiongo Viteira, Manuela Tavares, Paulo Rocha Segundo, Iran Cerullo, Giulio Rakovich, Yury	Poster Oral (15 min=25+5) Oral (15 min=12+3) Verynote (30 min=25+5) Invited (20 min=25+5) Invited (20 min=25+5) Invited (20 min=17+3)
17:00-18:30 (1h30m) Chair(s): James Leger  Parallel Sessions Mo.4.b 17:00-18:30 (1h30m) Chair(s): Celso João Hugo Pires  Parallel Sessions Mo.4.c	1966 1982 226 1982 226 225 225 225 225 225 225 225 225 22	In line Fabry-Perot cavities manufactured by electric arc fusion of NIR-laser micro-drilled optical fiber flat tips 3D prototyping of a fiber Bragg grating vibration sensor for power transformers In-plane wavelength multiplexing of fibre Bragg gratings in a multicore optical fibre Interrogation methods for functionalized optical microbubble resonators aimed at water microcontaminants Measurement of the temperature using an optical fiber with nanoparticles on the surface Sensitivity of TiO2-coated optical microfibers for temperature measurement Optical fiber cavity coated with polyvinylidene fluoride (PVDF) for humidity sensing Luminescent materials based on anisometric lanthanide complexes Optical termometer based on surface plasmon resonance Recent developments on fiber-based ring-down technique for remote sensing Response of optically transparent pH sensing films to environmental conditions Femtosecond laser micromachining of Fabry-Pérot interferometers in fused silica for refractive index sensing Electrodynamics model of a hydrogen sensor based on a special photonic crystal fiber taper coated with a nano-scale palladium film Polycaprolactione as a biomaterial host for second-harmonic generation Application of a novel LIBS prototype as an analytical grade tool for Li quantification in pegmatite samples Efficient and stable holographic gratings stored in an environmentally friendly photopolymer Measurement of the refractive index of glass by optical metrology Studies of biological liquid films for preliminary diagnostics Compositional optical and electrical characteristics of SiOx thin films deposited by reactive pulsed DC magnetron sputtering  Symmetries in optical wavefields Neuromorphic photonics for future ultrafast brain-inspired computing systems Optically trapped micro-paddle for measuring piconewton forces Graphene oxide as a tunable platform for microsphere-based optical fiber sensors  Preparing to be dazzled: experiments in laser eye dazzle Development and application of laser hologram production tec	Franco, Sandra Nespereira, Marta Monteiro, Catarina Idrisov, Ravil Santos, Paulo Avila Padilla, Duber Horta, Sindi Vaz Rodrigues, António Knyazev, Andrey Coello, Victor Silva, Susana Topasna, Daniela Maia, João Minkovich, Vladimir Bernardo, Cesar Ferreira, Miguel Morales-Vidal, Marta Leite, Inês Savchenko, Ekaterina Carneiro, Joaquim Jahns, Jürgen Hurdo, Antonio Lamperska, Weronika Monteiro, Catarina Williamson, Craig Chibaca, José Caiongo Vieira, Manuela Tavares, Paulo Rocha Segundo, Iran Rocha Segundo, Iran Rocha Segundo, Iran Rocha Gegundo, Iran Rakovich, Vury Viana-Gomes, Jose	Poster Oral (15 min=12+3) Invited (20 min=17+3) Invited (20 min=17+3) Invited (20 min=17+3)
17:00-18:30 (1h30m) Chair(s): James Leger  Parallel Sessions Mo.4.b 17:00-18:30 (1h30m) Chair(s): Celso João Hugo Pires  Parallel Sessions Mo.4.c 17:00-18:30 (1h30m)	1966 1982 234 45 1982 1982 1982 1982 1982 1982 1982 1982	In line Fabry-Perot cavities manufactured by electric arc fusion of NIR-laser micro-drilled optical fiber flat tips 3D prototyping of a fiber Bragg grating vibration sensor for power transformers In-plane wavelength multiplexing of fibre Bragg gratings in a multicore optical fibre Interrogation methods for functionalized optical microbubble resonators aimed at water microcontaminants Measurement of the temperature using an optical fiber with nanoparticles on the surface Sensitivity of TiO2-coated optical microfibers for temperature measurement Optical fiber cavity coated with polyvinylidene fluoride (PVDF) for humidity sensing Luminescent materials based on anisometric lanthanide complexes Optical thermometer based on surface plasmon resonance Recent developments on fiber-based ring-down technique for remote sensing Response of optically transparent pH sensing films to environmental conditions Femtosecond laser micromachining of Fabry-Pérot interferometers in fused silica for refractive index sensing Electrodynamics model of a hydrogen sensor based on a special photonic crystal fiber taper coated with a nano-scale palladium film Polycaprolactone as a biomaterial host for second-harmonic generation Application of a novel LIBS prototype as an analytical grade tool for Li quantification in pegmatite samples Efficient and stable holographic gratings stored in an environmentally friendly photopolymer Measurement of the refractive index of glass by optical metrology Studies of biological liquid films for preliminary diagnostics Compositional optical and electrical characteristics of SiOx thin films deposited by reactive pulsed DC magnetron sputtering  Symmetries in optical wavefields Neuromorphic photonics for future ultrafast brain-inspired computing systems Optically trapped micro-paddle for measuring piconewton forces Graphene oxide as a tunable platform for microsphere-based optical fiber sensors  Preparing to be dazzled: experiments in laser eye dazzle Development and application of laser hologram production tec	Franco, Sandra Nespereira, Marta Monteiro, Catarina Idrisov, Ravil Santos, Paulo Avila Padilla, Duber Horta, Sindi Vaz Rodrigues, António Knyazev, Andrey Coello, Victor Silva, Susana Topasna, Daniela Maia, João Minkovich, Vladimir Bernardo, Cesar Ferreira, Miguel Morales-Vidal, Marta Leite, Inês Savchenko, Ekaterina Carneiro, Joaquim Jahns, Jürgen Hurdo, Antonio Lamperska, Weronika Monteiro, Catarina Williamson, Craig Chibaca, José Caiongo Vieira, Manuela Tavares, Paulo Rocha Segundo, Iran Rocha Segundo, Iran Rocha Segundo, Iran Rocha Gegundo, Iran Rakovich, Vury Viana-Gomes, Jose	Poster Oral (15 min=25+5) Oral (15 min=12+3) Verynote (30 min=25+5) Invited (20 min=25+5) Invited (20 min=25+5) Invited (20 min=17+3)
17:00-18:30 (1h30m) Chair(s): James Leger  Parallel Sessions Mo.4.b 17:00-18:30 (1h30m) Chair(s): Celso João Hugo Pires  Parallel Sessions Mo.4.c 17:00-18:30 (1h30m)	1966 1982 234 45 1982 1982 1982 1982 1982 1982 1982 1982	In line Fabry-Perot cavities manufactured by electric arc fusion of NIR-laser micro-drilled optical fiber flat tips 3D prototyping of a fiber Bragg grating vibration sensor for power transformers In-plane wavelength multiplexing of fibre Bragg gratings in a multicore optical fibre Interrogation methods for functionalized optical microbubble resonators aimed at water microcontaminants Measurement of the temperature using an optical fiber with nanoparticles on the surface Sensitivity of TiO2-coated optical microfibers for temperature measurement Optical fiber cavity coated with polyvinylidene fluoride (PVDF) for humidity sensing Luminescent materials based on anisometric lanthanide complexes Optical termometer based on surface plasmon resonance Recent developments on fiber-based ring-down technique for remote sensing Response of optically transparent pH sensing films to environmental conditions Femtosecond laser micromachining of Fabry-Pérot interferometers in fused silica for refractive index sensing Electrodynamics model of a hydrogen sensor based on a special photonic crystal fiber taper coated with a nano-scale palladium film Polycaprolactione as a biomaterial host for second-harmonic generation Application of a novel LIBS prototype as an analytical grade tool for Li quantification in pegmatite samples Efficient and stable holographic gratings stored in an environmentally friendly photopolymer Measurement of the refractive index of glass by optical metrology Studies of biological liquid films for preliminary diagnostics Compositional optical and electrical characteristics of SiOx thin films deposited by reactive pulsed DC magnetron sputtering  Symmetries in optical wavefields Neuromorphic photonics for future ultrafast brain-inspired computing systems Optically trapped micro-paddle for measuring piconewton forces Graphene oxide as a tunable platform for microsphere-based optical fiber sensors  Preparing to be dazzled: experiments in laser eye dazzle Development and application of laser hologram production tec	Franco, Sandra Nespereira, Marta Monteiro, Catarina Idrisov, Ravil Santos, Paulo Avila Padilla, Duber Horta, Sindi Vaz Rodrigues, António Knyazev, Andrey Coello, Victor Silva, Susana Topasna, Daniela Maia, João Minkovich, Vladimir Bernardo, Cesar Ferreira, Miguel Morales-Vidal, Marta Leite, Inéš Savchenko, Ekaterina Carneiro, Joaquim Jahns, Jürgen Hurtado, Antonio Lamperska, Weronika Monteiro, Catarina Williamson, Craig Chibaca, José Caiongo Vieira, Manuela Tavares, Paulo Rocha Segundo, Iran Cerullo, Giulio Rakovich, Yury Viana-Gomes, Jose Krivenkov, Victor	Poster Oral (15 min=12+3)
17:00-18:30 (1h30m) Chair(s): James Leger  Parallel Sessions Mo.4.b 17:00-18:30 (1h30m) Chair(s): Celso João Hugo Pires  Parallel Sessions Mo.4.c 17:00-18:30 (1h30m) Chair(s): Wei-Yen Woon	1966 1982 234 45 1982 1982 1982 1982 1982 1982 1982 1982	In line Fabry-Perot cavities manufactured by electric arc fusion of NIR-laser micro-drilled optical fiber flat tips 3D prototyping of a fiber Bragg grating vibration sensor for power transformers In-plane wavelength multiplexing of fibre Bragg gratings in a multicore optical fibre Interrogation methods for functionalized optical microbubble resonators aimed at water microcontaminants Measurement of the temperature using an optical fiber with nanoparticles on the surface Sensitivity of TiO2-coated optical microfibers for temperature measurement Optical fiber cavity coated with polyvinylidene fluoride (PVDF) for humidity sensing Luminescent materials based on anisometric lanthanide complexes Optical thermometer based on surface plasmon resonance Recent developments on fiber-based ring-down technique for remote sensing Response of optically transparent pH sensing films to environmental conditions Femtosecond laser micromachining of Fabry-Pérot interferometers in fused silica for refractive index sensing Electrodynamics model of a hydrogen sensor based on a special photonic crystal fiber taper coated with a nano-scale palladium film Polycaprolactone as a biomaterial host for second-harmonic generation Application of a novel LIBS prototype as an analytical grade tool for Li quantification in pegmatite samples Efficient and stable holographic gratings stored in an environmentally friendly photopolymer Measurement of the refractive index of glass by optical metrology Studies of biological liquid films for preliminary diagnostics Compositional optical and electrical characteristics of SiOx thin films deposited by reactive pulsed DC magnetron sputtering  Symmetries in optical wavefields Neuromorphic photonics for future ultrafast brain-inspired computing systems Optically trapped micro-paddle for measuring piconewton forces Graphene oxide as a tunable platform for microsphere-based optical fiber sensors  Preparing to be dazzled: experiments in laser eye dazzle Development and application of laser hologram production tec	Franco, Sandra Nespereira, Marta Monteiro, Catarina Idrisov, Ravil Santos, Paulo Avila Padilla, Duber Horta, Sindi Vaz Rodrigues, António Knyazev, Andrey Coello, Victor Silva, Susana Topasna, Daniela Maia, João Minkovich, Vladimir Bernardo, Cesar Ferreira, Miguel Morales-Vidal, Marta Leite, Inéš Savchenko, Ekaterina Carneiro, Joaquim Jahns, Jürgen Hurtado, Antonio Lamperska, Weronika Monteiro, Catarina Williamson, Craig Chibaca, José Caiongo Vieira, Manuela Tavares, Paulo Rocha Segundo, Iran Cerullo, Giulio Rakovich, Yury Viana-Gomes, Jose Krivenkov, Victor	Poster Oral (15 min=12+3)
17:00-18:30 (1h30m) Chair(s): James Leger  Parallel Sessions Mo.4.b 17:00-18:30 (1h30m) Chair(s): Celso João Hugo Pires  Parallel Sessions Mo.4.c 17:00-18:30 (1h30m)	1966 1922 1931 1941 1941 1941 1941 1941 1941 1941	In line Fabry-Perot cavities manufactured by electric arc fusion of NIR-laser micro-drilled optical fiber flat tips 3D prototyping of a fiber Bragg grating vibration sensor for power transformers In-plane wavelength multiplexing of fibre Bragg gratings in a multicore optical fibre Interrogation methods for functionalized optical microbubble resonators aimed at water microcontaminants Measurement of the temperature using an optical fiber with nanoparticles on the surface Sensitivity of TiO2-coated optical microfibers for temperature measurement Optical fiber cavity coated with polyvinylidene fluoride (PVDF) for humidity sensing Luminescent materials based on anisometric lanthanide complexes Optical thermometer based on surface plasmon resonance Recent developments on fiber-based ring-down technique for remote sensing Response of optically transparent pH sensing films to environmental conditions Femtosecond laser micromachining of Fabry-Pérot interferometers in fused silica for refractive index sensing Electrodynamics model of a hydrogen sensor based on a special photonic crystal fiber taper coated with a nano-scale palladium film Polycaprolactone as a biomaterial host for second-harmonic generation Application of a novel LIBS prototype as an analytical grade tool for Li quantification in pegmatite samples Efficient and stable holographic gratings stored in an environmentally friendly photopolymer Measurement of the refractive index of glass by optical metrology Studies of biological liquid films for preliminary diagnostics Compositional optical and electrical characteristics of SiOx thin films deposited by reactive pulsed DC magnetron sputtering  Symmetries in optical wavefields Neuromorphic photonics for future ultrafast brain-inspired computing systems Optically trapped micro-paddle for measuring piconewton forces Graphene oxide as a tunable platform for microsphere-based optical fiber sensors  Preparing to be dazzled: experiments in laser eye dazzle Development and application of laser hologram production tec	Franco, Sandra Nespereira, Marta Monteiro, Catarina Idrisov, Ravil Santos, Paulo Avila Padilla, Duber Horta, Sindi Vaz Rodrigues, António Knyazev, Andrey Coello, Victor Silva, Susana Topasna, Daniela Maia, João Minkovich, Vladimir Bernardo, Cesar Ferreira, Miguel Morales-Vidal, Marta Leite, Inéš Savchenko, Ekaterina Carneiro, Joaquim Jahns, Jürgen Hurtado, Antonio Lamperska, Weronika Monteiro, Catarina Williamson, Craig Chibaca, José Caiongo Vieira, Manuela Tavares, Paulo Rocha Segundo, Iran Cerullo, Giulio Rakovich, Yury Viana-Gomes, Jose Krivenkov, Victor	Poster Oral (15 min=12+3)

Chair(s): Elliot Brown			
Parallel Sessions Tu.1.a	205 Tunable focalizers: phase conjugate pairs	Ojeda-Castañeda, Jorge	Keynote (30 min=25+5)
9:45 - 10:45 (1 h)	69 Fabrication of periodic structures in optical fibers by femtosecond laser micromachining for sensing applications	Viveiros, Duarte	Oral (15 min=12+3)
Chair(s): Ignacio Moreno	21 Cross-correlation of distributed fiber optic strain map for structural elements diagnosis	Ciminello, Monica	Oral (15 min=12+3)
Parallel Sessions Tu.1.b	78 Large photorefractive effect observed in non-ferroelectric smectic liquid crystal blends containing small amount of chiral compound	Sasaki, Takeo	Keynote (30 min=25+5)
9:45 - 10:45 (1 h)	167 Photorefractive properties of lithium niobate crystals studied by Raman spectroscopy	Kokanyan, Ninel	Oral (15 min=12+3)
Chair(s): Catarina Monteiro Beatriz Silveira	259 Laser ranging in underwater medium: a study into the effect of influence factors on the system performance	Xin, Wang	Oral (15 min=12+3)
Parallel Sessions Tu.1.c	251 Bose-Einstein Condensation of Photons in a Dye-filled Microcavity	Rodrigues, Joao	Keynote (30 min=25+5)
9:45 - 10:45 (1 h)	92 Enhanced fluorescence in hybrid materials composed of a dye and plasmonic nanoparticles	Paulo, Pedro	Invited (20 min=17+3)
Chair(s): Serguei Goupalov	72 Exploring the Coupling of 0D and 2D materials	Bernardo, Cesar	Oral (15 min=12+3)