

Tuesday 23 July

08:00

Registration

09:30 09:55

Opening Session (room AC1)

Session I: Invited Session (room AC1)

Chair: Vasudevan Lakshminarayanan

09:55 10:30 Keynote Critical Issues Facing Physics Education: Participation, Engagement, and Relevance Theodore Hodapp, American Physics Society, USA

Session II: Invited Session (room AF1)

Chair: Bahaa E. A. Saleh

11:00 11:25 Keynote First Optical Education Center in Japan, Established by Cooperation between Academia and Industry Toyohiko Yatagai, Center for Optical Research and Education, Utsunomiya University, Japan

11:25 11:50 Keynote Optics activities in ICTP Joe Niemela, ICTP, Italy

11:50 12:15 Keynote The High Education of Optical Engineering in East China, Xu Liu, Zhejiang University, China

12:15 12:40 Keynote UNESCO's ALOP recognized for IGIP International Engineering Educator certification Angela M. Guzmán, CREOL, The College of Optics and Photonics, University of Central Florida, Orlando, USA

12:40 13:05 Keynote Developing intra-curricular photonics educational material for secondary schools in Europe Amrita Prasad, Vrije Universiteit Brussel, Pleinlaan 2, Belgium

Session III: Invited Short Course (room AF2)

14:45 16:30 Short course Dihedral Fourier Analysis (room AF2) Marlos Viana, University of Illinois at Chicago Eye Center, Chicago, Illinois, USA

Session III: Invited Session (room AF1)

Chair: Toyohiko Yatagai

14:45 15:10 Keynote The Evolution of Optics Education at the U.S. National Optical Astronomy Observatory Stephen M. Pompea, National Optical Astronomy Observatory, USA

15:10 15:35 Keynote Adaptive optics Vasudevan Lakshminarayanan, University of Waterloo, Canada

15:35 16:00 Keynote Image Science in the Optics and Photonics Curriculum Bahaa E. A. Saleh, CREOL, The College of Optics and Photonics, University of Central Florida, USA

16:00 16:25 Keynote Inspiring future experimental scientists through questions related to color Manuel MelgosaLatorre, Department of Optics, Faculty of Sciences, University of Granada, Granada, Spain

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Parallel session, Session IV: Invited Session (room AF1)

Chair: Manuel Melgosa Latorre

17:00	17:25	Keynote	An Educational Kit in optics for broad use	Vanderlei Bagnato, IFSC/USP, Brazil
17:25	17:50	Keynote	Shedding the light on spectrophotometry: The SpecUP educational spectrophotometer	Patricia Forbes, Department of Chemistry, University of Pretoria, Lynnwood Road, Pretoria, South Africa
17:50	18:15	Keynote	Outreach activities in Guanajuato México	Cristina Elizabeth Solano Soza, Centro de Investigaciones en Óptica (CIO), León, Mexico
18:15	18:40	Keynote	Unesco Active Learning approach in Optics and Photonics leads to significant change in Morocco	Khalid Berrada, Cadi Ayyad University – Faculty of Sciences Semlalia Department of Physics, Marrakech, Morocco

Session V: Workshop (room AF4)

17:00	19:00	Workshop	Workshop on Problem Based Learning (PBL) Submarine Lighting: A PBL Challenge in Fiber Optics	Judith Donnelly, Three Rivers Community Technical College
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