

Guru Jambheshwar University of Science & Technology, Hisar
Technical Programme
International Conference on Advances in Optics and Photonics (ICAOP-2017)
(XLI Conference of Optical Society of India)

Nov. 22, 2017 (Wednesday)	
Registration (15:30-18:30 Hrs)	VIP Guest House, GJUS&T, Hisar
Day1 : Nov. 23, 2017 (Thursday)	
Registration (08:30-09:15 Hrs) Inaugural Ceremony (09:30-11:00 Hrs) Keynote Address	CRS Auditorium, GJUS&T, Hisar Seminar Hall-1, CRS Auditorium, GJUS&T, Hisar Benjamin Lionel, IRDE Dehradun
High Tea (11:00-11:30 Hrs)	<i>Crush Hall, CRS Auditorium, GJUS&T, Hisar</i>

Plenary Lecture : Seminar Hall-1 (11:30-12:30 Hrs)		
PL-1: Zeev Zalevsky, Israel “Remote photonic diseases sensing : Early detection of breast cancer, melanoma and glaucoma”		
Technical Session - I (12:30 – 14:00 Hrs)		
Seminar Hall-1 Nanophotonics-I	Seminar Hall-2 Optical Materials-1	Seminar Hall-3 Optical Design, Fabrication, and Testing-I
IL-1 S. Anantha Ramakrishna (12:30–13:15 Hrs) “Anisotropic metamaterial fibers for enhanced near-field coupling” (13:15-14:00 Hrs) OP16, OP21, OP49	IL-2 T. Sasaki (12:30–13:15 Hrs) “Photorefractive Effect in Ferroelectric Liquid Crystal Blends Containing Oligo-thiophene Photoconductive Dopant” (13:15-14:00 Hrs) OP14, OP82, OP83	IL-3 L. N. Hazra (12:30–13:15 Hrs) “On the feasibility of ‘Perfect Imaging’ by real rays” (13:15-14:00 Hrs) OP3, OP39, OP67
Lunch (14:00-15:00 Hrs) Registration open		<i>Crush Hall, CRS Auditorium, GJUS&T, Hisar</i>
Plenary Lecture : Seminar Hall-1 (15:00 - 16:00 Hrs)		
PL-2 : A. Lakhtakia, USA “Multicontrollable Metasurfaces”		
Technical Session - II (16:00 – 17:30 Hrs)		
Seminar Hall-1 Nanophotonics-II	Seminar Hall-2 Phase Retrieval	Seminar Hall-3 Optical Design, Fabrication, and Testing-II
IL-4 Amitava Ghosh (16:00 – 16:45 Hrs) “Technology Development of Micro optics and Nanophotonics” (16:45-17:30 Hrs) OP77, OP87, OP20, *OP31,	IL-5 P.F. Almoro (16:00 – 16:45 Hrs) “Local Frequency Analysis Using Statistical Fringe Processing” IL-6 Kedar Khare (16:45 – 17:30 Hrs) “Sparsity Assisted Phase Retrieval of Complex Valued Objects”	IL-7 Kallol Bhattacharya (16:00 – 16:45 Hrs) “Use of Pancharatnam Phase in Optical Metrology” (16:45-17:30 Hrs) OP25, OP42, OP79, OP92, *OP68
<i>Tea (17:30-18:00 Hrs)</i>		<i>Crush Hall, CRS Auditorium, GJUS&T, Hisar</i>
Special Lecture-1: Seminar Hall-1 (18:00-19:00 Hrs)		
SL/T -1 : Virendra Mahajan, USA “Wavefront Analysis in Optical Design, Fabrication and Testing”		
OSI General Body Meeting (19:00-20:00 Hrs)		
<i>Conference Dinner (20:00 Hrs onwards)</i>		<i>University Campus, Hisar</i>

Day 2 : Nov. 24, 2017(Friday)**Registration (8:45-9:15 Hrs)**

CRS Auditorium, GJUS&T, Hisar

Plenary Lecture : Seminar Hall-1 (9:30-10:30 Hrs)**PL-3: Daniele Faccio, UK** “Imaging with single photon cameras: fundamentals and applications”**Technical Session – III (10:30-11:30 Hrs)****Seminar Hall-1
Singular Optics-I****IL-8** P. Senthil Kumaran
(10:30-11:15 Hrs)
“Singular Optics”
(11:15 -11:30 Hrs)
OP65, OP70**Seminar Hall-2
Optical Waveguide-I****IL-9** Anurag Sharma
(10:30-11:15 Hrs)
“Models of Single Mode Fibers: Recent
Developments”
(11:15 -11:30 Hrs)
OP4, OP5**Seminar Hall-3
Optical Design, Fabrication, and
Testing-III****IL-10** C. S. Narayanamurthy
(10:30-11:15 Hrs)
“Collimation testing using radial shearing
interferometer and Zernike polynomials”
(11:15 -11:30 Hrs)
OP80, OP93*Tea (11:30-11:45 Hrs)**Crush Hall, CRS Auditorium, GJUS&T, Hisar***Technical Session – IV (11:45-13:30 Hrs)****Seminar Hall-1
Singular Optics-II****IL-11** Nirmal K. Viswanathan
(11:45-12:30 Hrs)
“Sagnac Interferometer: Converting a
Gaussian Beam to Vortex, Vector and
Spin-orbit Beams”
IL-12 B. Srinivasan
(12:30-13:15 Hrs)
“Generation and Amplification of
Vortex Beams in an All-Fiber
Configuration”
(13:15-13:30 Hrs)
OP6, OP88**Seminar Hall-2
Optical Waveguide-II****IL-13** Enakshi K. Sharma
(11:45-12:30 Hrs)
“Numerical Method for Multilayer
Surface Plasmon Optical Waveguides and
Devices”
(12:30-13:30 Hrs)
OP13, OP24, OP47, OP59, OP61**Seminar Hall-3
Adaptive Optics****IL-14** JagganNath Nayak
(11:45-12:30 Hrs)
“Technology Trend and Challenges in
Development of Laser Beam Control
System”
(12:30-13:30 Hrs)
OP1, OP8, OP18, OP44, OP81*Lunch (13:30-14:30 Hrs)**Crush Hall, CRS Auditorium, GJUS&T, Hisar***Technical Session – V (14:30-16:00 Hrs)****Seminar Hall-1
Singular Optics-III****IL-15** R. P. Singh
(14:30-15:15 Hrs)
“Recovering the lost vorticity of
scattered optical vortex”
(15:15-16:00 Hrs)
Quant. Opt. & NLO -I
OP2, OP10, OP12**Seminar Hall-2
Holography****IL-16** R. Horisaki
(14:30-15:15 Hrs)
“Computational Holography through
Random Diffraction”
IL-17 Arun Anand
(15:15-16:00 Hrs)
“Single shot, hand-held digital
holographic microscopes for 3D cell
imaging and identification”
OP22, OP28**Seminar Hall-3
MISC.-1****IL-18** B. Raghavendra Prasad
(14:30-15:15 Hrs)
“Visible Emission Line Coronagraph
(VELC) on India's First Space Solar
Mission Aditya-L1”
(15:15-16:00 Hrs)
OP23, OP84, OP32, OP33**Technical Session–VI (Tea & Poster Presentation) 16:00-17:00 Hrs [PP 1-PP 75]****Special Lecture-2: Seminar Hall-1 (17:00-18:00 Hrs)****SL/T -2 : R. S. Sirohi, IIT Delhi** “Speckle Phenomenon and Its Applications”**Industrial Session : Seminar Hall-1 (18:00-18:30 Hrs)****Cultural Evening (18:30-20:00 Hrs)****Main Hall, CRS Auditorium, GJUS&T, Hisar***Dinner (20:00 Hrs onwards)**Crush Hall, CRS Auditorium, GJUS&T, Hisar*

Day 3 : Nov. 25, 2017(Saturday)**Registration open (8:45-9:15 Hrs)**

CRS Auditorium, GJUS&T, Hisar

Plenary Lectures : Seminar Hall-1(9:30-10:30 Hrs)**PL-4: Pablo Artal, Spain** “Adaptive Optics for a Better Vision”**Technical Session – VII (10:30-11:30 Hrs)**

Seminar Hall-1 Nanophotonics-III	Seminar Hall-2 Optical Waveguide-III	Seminar Hall-3 Biomedical Optics
IL-19 Joby Joseph (10:30-11:15 Hrs) “Phase controlled interference lithography: An efficient tool for large area fabrication of nano-photon structures” (11:15-11:30 Hrs) OP50	IL-20 Sunil Khijwania (10:30-11:15 Hrs) “Sensitivity Tunability and Multi-Dimensionality of Optical Fiber Sensor for Structural Health Monitoring” (11:15-11:30 Hrs) OP41, OP62	IL-21 P. K. Gupta (10:30-11:15 Hrs) “Photonics for health care” (11:15-11:30 Hrs) OP17, OP45

*Tea (11:30-11:45 Hrs)**Crush Hall, CRS Auditorium, GJUS&T, Hisar***Technical Session – VIII (11:45-13:30 Hrs)**

Seminar Hall-1 Nanophotonics-IV	Seminar Hall-2	Seminar Hall-3 Quantum Optics and NLO-II
IL-22 G. V. Pavan Kumar (11:45-12:30 Hrs) “Nanowire Plasmonics: Field Enhancement and Directionality” (12:30-13:30 Hrs) OP7, OP30, OP57, OP72	IL-23 Guohai Situ (11:45-12:30 Hrs) “Wide field-of-view imaging through scattering media using ptychography” IL-24 H. Kadono (12:30-13:15 Hrs) “Highly sensitive optical interferometric technique reveals environmental stress dependent instantaneous nanometric growth fluctuations of plant” (13:15-13:30 Hrs) OP90, *OP19	IL-25 Hari Prakash (11:45-12:30 Hrs) “Quantum Optics with Lossless Beam” (12:30-13:30 Hrs) OP15, OP29, OP38, OP43, OP58

*Lunch (13:30-14:30 Hrs)**Crush Hall, CRS Auditorium, GJUS&T, Hisar***Technical Session – IX (14:30-16:00 Hrs)**

Seminar Hall-1 Nanophotonics-V	Seminar Hall-2 Information Optics	Seminar Hall-3 Quantum Optics and NLO-III
IL-26 R. K. Sinha (14:30-15:15 Hrs) “Photonic Crystal based Nanophotonic Devices” IL-27 Anton Nalimov (15:15-16:00 Hrs) “Metalenses with High Numerical Aperture in Amorphous Silicon”	IL-28 Naveen K. Nishchal (14:30-15:15 Hrs) “Information Security through Polarization Encoding” (15:15-16:00 Hrs) OP74, OP54, *OP27	(14:30-16:00 Hrs) OP35, OP36, OP53, OP56, OP63

Technical Session–X (Tea & Poster Presentation) 16:00-17:00 Hrs [PP 76-PP 150]**Technical Session – XI (17:00-18:30 Hrs)**

Seminar Hall-1 Nanophotonics-VI	Seminar Hall-2 Optical Metrology	Seminar Hall-3 NLO-II & MISC.-II
IL-29 Dibakar Roy Chowdhury (17:00-17:45 Hrs) “Analyzing the near field electromagnetic coupling in terahertz metamaterials” (17:45-18:30 Hrs) OP37, OP48	(17:00-18:30 Hrs) OP3, OP55, OP69, OP80	(17:00-18:30 Hrs) OP34, OP60, OP46, OP64, OP75, OP73

Industrial Session : Seminar Hall-1 (18:30-17:00 Hrs)**Cultural Evening (19:00-20:00 Hrs)****Main Hall, CRS Auditorium, GJUS&T, Hisar***Dinner (20:00 Hrs onwards)**Crush Hall, CRS Auditorium, GJUS&T, Hisar*

Day 4 : Nov. 26, 2017(Sunday)

Help Desk (08:30-09:00 Hrs)

Technical Session – XII (09:15-11:00 Hrs)

Seminar Hall-1 Silicon Photonics	Seminar Hall-2 Optical Waveguide-IV	Seminar Hall-3 Optical Materials-II
IL-30 B. K Das (09:15-10:00 Hrs) “Silicon Photonics: Technology and Applications” (10:00-11:00 Hrs) OP9, OP26, OP76, OP85	IL-31 Vipul Rastogi (09:15-10:00 Hrs) “Erbium Doped Fiber Amplifier for Few-Mode Fibers” (10:00-11:00 Hrs) OP11, OP51 , OP71, OP86, OP89, OP91	(09:15-11:00 Hrs) OP66, OP78, OP40, OP52, OP94
Technical Session –XIII (Tea & Poster Presentation) 11:00-12:30 Hrs [PP 151-PP 185]		
Valedictory Session and Award Ceremony 13:00-14:00 Hrs		
Lunch (14:00 Hrs onwards)	Crush Hall, CRS Auditorium, GJUS&T, Hisar	

Session Chairs-To be decided

*Doesn't belong to the theme of the session but accommodated as per special request.

Note- Wait for list of OPs and PPs.