

**OPTICAL SOCIETY OF INDIA – INTERNATIONAL SYMPOSIUM ON OPTICS
20-22 September 2018, IIT KANPUR**

LIST OF CONTRIBUTED PAPERS FOR ORAL PRESENTATION

7	Sushanta Kumar Pal and P Senthilkumaran. Novel polarization singularity lattice structures	A2
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15	Namitha C V and S V M Satyanarayana. Role of coherence and control of entanglement longevity in a two qubit system	A1
20	Gaurav Dwivedi, Lavlesh and Raj Kumar. Parametrical study of near and far field numerical reconstruction methods in digital holography	C3
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27	Nitu Borgohain. Suppression of modulation instability by control field in a three-level quantum well nanostructure	A1
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34	Yogesh Kumar Srivastava and Ranjan Singh. Ultrafast dual-channel switching and ultrathin superconducting metamaterials	B2
36	Amit Agarwal, Om Prakash Naraniya and Ajay Kumar. Characterization of High-sag Micro-lens by Digital Holography Technique using an Index Matching Polymer	C1
37	Arun Kumar, Om Prakash Naraniya, Unnikrishnan G. and Ajay Kumar. Performance Evaluation of Super-Resolution Algorithms in Multiaperture Imaging Camera	C3
43	Jayeta Banerjee, Sukla Rajak and Mina Ray. Wavelength interrogated differential resonance parameter measurement for improved performance of ITO based surface plasmon resonance sensor	B2
45	S.Jagan Mohan Rao, Gagan Kumar and Dibakar Roy Chowdhury. Ultrafast switching in single resonator based THz metamaterials	B3
48	Satya Pratap Singh, Keshav Samrat Modi, Jasleen Kaur, Umesh Tiwari and Ravindra Kumar Sinha. Temperature-Controlled Soliton Tunneling in Chalcogenide Fiber	A3
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64	Satyajit Maji and Maruthi Manoj Brundavanam. Tunable selective edge enhancement of Xylem phase sample using fractional spiral phase filtering	C3
66	Sumit Dass and Rajan Jha. Diaphragm-less Microphone Based on Optical Cantilever	C1
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80	Subrata Karmakar, Rajorshi Bandyopadhyay and Rajib Chakraborty. Dual tunable multicavity resonator based photonic bandgap structure as hybrid optical filter	B2
82	Banoj Kumar Nayak, Shriganesh Prabhu and Venu Gopal Achanta. 2-colour pump-probe setup and carrier dynamics study	B3
83	Ameen Yasir and Jebathilagar Ivan. Estimating OAM of light using partial Fourier transform	A2
85	Shwinky Bhatia, Aditi Chopra, Girish C. Mohanta and Sudipta Sarkar. Development of Metal Organic Framework-integrated Optical Fiber for Gas Sensing	A3
86	Shilpa Tayal, Veena Singh, Rakesh Joshi and Dalip Singh Mehta. Structured illumination using low cost diffractive optical element (DOE) for super-resolution microscopy	C3

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89	Anwesh Kumar Mishra and U. S. Kamath. Design of a near-infrared astronomical photometer optimized for use at low altitude astronomical sites	C1
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193	Manobina Karmakar, Sayantan Bhattacharya, Subhrajit Mukherjee, Rup Kumar Chowdhury, Samit K. Ray and Prasanta Kumar Datta. Ultrafast Excitonic Recombination in MoS ₂ Nano-crystals: Observed through Time Resolved Non-linear Pump, Linear Probe Spectroscopy	C2
195	Nikhil Pramanik, Krishna Chaitanya Yellapragada, Suneel Singh and Anantha Lakshmi P.. Tunable OMIT and OMIA in a double cavity hybrid optomechanical system	A1

All other accepted papers will be presented in poster sessions as posters. Instructions will be given soon.