

Time	Session-A	Session-B	Session-C	Session-D	Session-E
	WA2: FIBER SENSORS <i>Chairs:</i> K Dasgupta & W Johnstone	WB2: OPTICAL TECHNIQUES <i>Chairs:</i> L N Hazra & V Lakshminarayan	WC2: WAVEGUIDE DEVICES-2 <i>Chairs:</i> T Mizumoto & C Chang-Hasnain	WD2: OPTICAL SOURCES & NETWORKS <i>Chairs:</i> A Bhattacharya & M R Shenoy	WE2: DOPED FIBERS-2 <i>Chairs:</i> J-P Meunier & P Roy
14:30	Invited: Remote gas detection using tunable diode laser spectroscopy and high power rare earth and Raman fiber amplifiers W Johnstone, D Mitchell and K Duffin Univ of Strathclyde, Glasgow, UK	Invited: Optimization methods in lens design V Lakshminarayan , University of Waterloo, Canada	Invited: Gratings rediscovered - novel optoelectronic devices using high contrast grating C Chang-Hasnain , University of California, Berkeley, USA	Invited: Pump Diode Lasers Ch S Harder Harder & Partner GmbH, Switzerland	Invited: Active optical fibers: new design and alternative method of fabrication P Roy¹, M Devautour¹, L Lavoute¹, S F�evrier¹, G Humbert¹, P Leproux¹, A Roy¹, R Jamier¹, F G�er�me¹, K Schuster², J Kobelke², S Grimm², C Pedrido³, F Sandoz³ ¹ University of Limoges CNRS, Limoges, France ² Institute of Photonic Technology, Jena, Germany ³ Silitec Fibers SA, Boudry, Switzerland
15:00	Application of macro bend loss in single-mode fibers: FBG interrogator and temperature sensor G Rajan, Y Semenova, and G Farrell Dublin Institute of Technology, Dublin, Ireland	Invited: Holographic optical elements in photopolymerizable glass with high refractive index modulation: emerging implementations M L Calvo , Universidad Complutense de Madrid, Spain	Invited: Optical isolators for integrated photonics T Mizumoto, Y Shoji, and R Takei Tokyo Institute of Technology, Tokyo, Japan	Invited: Nitride-based optoelectronic devices A Bhattacharya , TIFR, Mumbai, India	Invited: Radiation-induced optical degradation in erbium-doped fibers B Torteche¹, S Girard¹, Y Ouedrane¹, A Boukenter¹ and J-P Meunier¹ ¹ University of Jean Monnet, Saint-Etienne, France, ² CEA DIF, Bruy�eres-le-Ch�atel, France
15:15	Fluorescence detection using radial fiber optic system in turbid media C Chakravorty, M Kaur, S Kumbhaj, P K Sen Shri G.S. Institute of Technology & Science, Indore, India				
15:30	Nanocrystalline SnO ₂ coated on an optical fiber for ammonia sensing B Renganathan, G Gobi, D Sastikumar, R Srinivasan, AC Bose National Institute of Technology, Tiruchirappalli, India	Invited: Annular Walsh filters for high resolution imaging in biological applications L N Hazra , University of Calcutta, Kolkata, India	Analysis of improved cascaded SFG + DFG wavelength converter in quasi-phase matched lithium niobate waveguide A Tehranchi and R Kashyap Ecole Polytechnique, University of Montreal Montreal, Canada	Is AlGaN OR AlInN the right candidate for efficient UV emitters? the oscillator strength perspective J Bhattacharyya and S Ghosh Tata Institute of Fundamental Research, Mumbai, India	Amplification characteristics of As ₂ Se ₃ photonic crystal fibers S K Varshney¹, K Saitoh¹, Y Tsuchida¹, M Koshiba¹, and R K Sinha² ¹ Hokkaido University, Sapporo, Japan ² Delhi College of Engineering, New Delhi, India
15:45	Integration of intensity modulated fiber optic sensors and electronic interfacing P Kumar, K Roy, A R Pawar, C S Joseph and M S Pawar Defence Institute of Advanced Technology, Pune, India		High-index contrast waveguides for microparticle guidance B S Ahluwalia¹, O G Helles�¹, A Subramanian² and J Wilkinson² ¹ University of Troms�, Norway ² University of Southampton, UK	4X4 optical data vortex switch fabric: a fault tolerance study R G Sangeetha, N Sharma, D Chadha and V Chandra Indian Institute of Technology Delhi, New Delhi, India	An optical amplifier having 5 cm long silica-clad erbium doped phosphate glass fiber fabricated by "core-suction" technique N K Goel¹ and R Stolen² ¹ Ciena India Private Limited Gurgaon, India ² Clemson University, Clemson, USA
16:00	Development of flight worthy fiber optic gyroscope based miniaturized sensor package unit H S Singh¹, P Kumar¹, Unnikrishnan MP, M Prakash², Md Azeemuddin², R Babu B², S Behera², J Nayak¹ ¹ Research Center Imarat, Hyderabad, India, ² Electro-Optical Instruments Research Academy, India		Nonlinear guided wave optical in GaN S Pezzagna¹, J Brault¹, P Venn�gu�s¹, and J Massies¹, A. D. Ieck², O. Alibert³, M. d. Micheli³, D. B. Ostrowsky³, and S. Tanzilli³, K. Thyagarajan⁴, R. Das⁴ ¹ Centre de Recherche sur "H�t�ero-Epitaxie et ses Applications (CRHEA-CNRS), Valbonne, France, ² Ruhr-Universit�t Bochum, Germany, ³ Universit� de Nice-Sophia Antipolis, Nice, France, ⁴ Indian Institute of Technology Delhi, India	Experimental demonstration of discrete sources SAC-OCDMA system S S Pawar R K Shevgaonkar IIT Bombay, Mumbai, India	Integrated C-band EDFA and dispersion compensation module with negligible pump power penalty S Varghese¹, P Blixt², D Darby², S Nair¹ ¹ SFO Technologies, CSEZ, India ² SFO Technologies, Northlight Div, Stockholm, Sweden
16:15	Optical method for partial discharges detection in a model transformer S Karmakar, N K Roy, P Kumbhakar NIT Durgapur, India			Reduction of timing jitter of optical pulses using nonlinearity in birefringent fiber K S Abedin National Institute of Information and Communications Technology, Tokyo, Japan	

POST DEADLINE SESSION: <i>Chairs:</i> B M A Rahman and Anurag Sharma					Venue: Stein Auditorium
17:00	Stable optical trapping of nano-particles: towards trapping single molecules, Arijit Kumar De, Debjit Roy and Debabrata Goswami , Indian Institute of Technology Kanpur, India.				
17:15	Erbium-doped, bend-insensitive, s-band photonic crystal fiber Amplifiers, Shailendra K. Varshney¹, Kunimasa Saitoh¹, Masanori Koshiba¹, and Bishnu P. Pal² , ¹ Hokkaido University, Sapporo, Japan, ² Indian Institute of Technology Delhi, India				
17:30	Narrowband single-photon emission from nickel related color center in diamond for quantum key distribution Preeti Gaikwad¹, Chunyuan Zhou¹, Frederic Grosshans¹, Igor Aharonovich², Fran�ois Treussart¹, Steven Praver², and Jean-Fran�ois Roch¹ , ¹ Laboratoire de Photonique Quantique et Mol�culaire (LPQM), ENS Cachan, Cachan, France. ² University of Melbourne, Victoria 3010, Australia.				
17:45	Molecular sensing using self-referencing interferometry, Manoj Varma , IISc, Bangalore: 560 012, India				
18:00	A compact distributed feedback phosphate fiber laser, S. W. Harun¹, P. Hofmann², A. Sch�ulzgen², L. Li², N. Peyghambarian², H. Ahmad , ³¹ University of Malaya, Kuala Lumpur, Malaysia ² College of Optical Sciences, University of Arizona, USA, ³ University of Malaya, Kuala Lumpur, Malaysia				
18:15	Use of FBG in testing the integrity of high temperature bonding material, S. Sosamma, M. Kasinathan, C. Pandian, C. Babu Rao, N. Murali, T. Jayakumar, Baldev Raj , Indira Gandhi Centre For Atomic Research, Kalpakkam, India				
19:00	PRESENTATION OF AWARDS AND CONCLUDING SESSION				Venue: Stein Auditorium