

<b>SESSION A: PHOTONICS AND APPLICATIONS</b>
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<i>November 27, 2012 (Tuesday)</i>
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*Chairperson: Dr. Tadaaki Nagao (NIMS, Japan)*

*Dr. Hoang Dung (VNU HoChiMinh)*

- (A-01)  
**13:30 - 13:55**      **SPIN-POLARIZED ORGANIC LIGHT EMITTING DIODE BASED ON A NOVEL BIPOLAR SPIN-VALVE**  
*(Invited talk)*  
**Tho D. Nguyen**  
University of Georgia, Athens, Georgia, USA
- (A-02)  
**13:55 - 14:20**      **OD HYBRID ORGANIC-INORGANIC POLARITONS AT ROOM TEMPERATURE**  
*(Invited talk)*  
**Hai-Son NGUYEN\*, Zheng HAN, Fabien BOITIER, Yi WEI, Jean-Sébastien LAURET, Sophie BOUCHOULE, Jacqueline BLOCH and Emmanuelle DELEPORTE**  
Laboratoire de Photonique et de Nanostructures, Marcoussis. France
- (A-03)  
**14:20 - 14:45**      **PLANAR DEFECT EMBEDDED IN ARTIFICIAL OPALS: SYNTHESIS AND OPTICAL PROPERTIES**  
*(Invited talk)*  
**Phan Ngoc Hong, Z. Guennouni-Assimi, R. Farha, M-C. Fauré, M. Goldmann, P. Benalloul, L. Coolen, A. Maître, Catherine Schwob**  
Institut des NanoScience de Paris, Uni. Pierre et Marie Curie, Paris. France.
- (A-04)  
**14:45 - 15:00**      **UNPOLARIZATION OF ALL-OPTICAL SWITCHES BASED ON GIUSED-MODE RESONANCES IN PHOTONIC CRYSTAL SLABS**  
***Hoang Thu Trang, Ngo Quang Minh and Vu Dinh Lam***  
Institute of Materials Science, VAST. VN
- (A-05)  
**15:00 – 15:15**      **INVESTIGATION OF ENHANCED LIGHT EXTRACTION IN HEXAGONAL PHOTONIC CRYSTAL LIGHT-EMITTING DIODE BY USING FDTD SIMULATION**  
**Vu Ngoc Hai**  
NTT Institute of Hi-Technology, Nguyen Tat Thanh College, HCM city. VN
- 15:15 – 15:30**      **Coffee break**

**Chairperson: Dr. Nobuhiko Sarukura (ILE, Osaka Uni. , Japan)**

**Dr. Le Vu Tuan Hung (VNU HoChiMinh)**

- (A-06)  
**15: 30 – 15: 55**      **THE LIMITS OF HIGH-POWER DIODE LASERS IN TERMS OF RELIABILITY**  
(Invited talk)  
***Jens W. Tomm, Martin Hempel, and Thomas Elsaesser***  
Max-Born-Institute for nonlinear Optics and Short Pulse, Berlin. Germany
- (A-07)  
**15: 55 – 16: 20**      **LASER INDUCED PLASMA IN NOBLE GASES TO SHAPE THE TEMPORAL PROFILE OF TRANSVERSELY EXCITED ATMOSPHERIC CO<sub>2</sub> LASER-BASED LIDAR**  
(Invited talk)  
***Taieb Gasmî***  
Engineering & Nursing Sait Louis University, Madrid Campus. Spain
- (A-08)  
**16: 20- 16: 45**      **FEATURES OF LASER DRIVEN ION ACCELERATION USING DIFFERENT TARGET TYPES**  
(Invited talk)  
***Peter V. Nickles***  
Max-Born Institute, Berlin, Germany  
Gwangju Institute of Science and Technology. Korea
- (A-09)  
**16: 45- 17: 00**      **VACUUM ULTRAVIOLET OPTICAL CHARACTERISTICS INVESTIGATED USING EXTREME ULTRAVIOLET FREE ELECTRON LASER**  
***Yuki Shinzato, Kohei Yamanoi, Rtosuke nishi, Kohei Takeda, Tomoharu Nakazato, Toshihiko Shimizu, Nobuhiko Sarukura, Marilou Cadatal Raduban, Takayuki Yanagida, Yuui Yoshikawa, Mitsuru Nagasono, Tstsuya Ishikawa***  
Institute os Laser Engineering, Osaka University. Osaka, Japan
- (A-10)  
**17: 00- 17: 15**      **DEPENDENCE OF DFB LASER WIDTH ON OPTICAL OUTPUT POWER: STUDY CASE OF 780 NM HIGH POWER RW-DFB DIODE LASERS**  
***Thanh phuong Nguyen and Tran Quoc Tien***  
IMS, VAST
- (A-11)  
**17: 15- 17: 30**      **MULTIWAVELENGTH FIBER LASER BASED ON NONLINEAR POLARIZATION ROTATION**  
***Nurul Shahrizan Shahabuddin and Sulaiman Wadi Harun***  
University of Malaya, Kuala Lumpur. Malaysia
- 18:00**      **CONFERENCE PARTY**