

SESSION A: PHOTONICS AND APPLICATIONS
November 29, 2012 (Thursday)

Chairperson: Prof. Dr. Taieb Gasmi (Saint- Louis Uni., Spain)

Dr. Thibault Sylvestre (Uni. Franche-Comte, France)

- (A-34)
08:30 – 08:55 **EFFECT OF ELABORATION PARAMETERS ON THE LOCALIZATION OF RARE-EARTH EMITTER SITES IN TIN SILICA SOLGEL DERIVED GLASS CERAMICS**
(Invited talk)
T.T. Van Tran, C. Kinowski, O. Cristini, B. Capoen, R. Almada, L. Santos, M. Ferrari, F. D’Acapito and Sylvia Turrell
LASIR, Lille University1. France
- (A-35)
08:55 – 09:20 **INFRARED EMISSION SPECTROSCOPY OF HIGHLY EXCITED AROMATIC MOLECULES**
(Invited talk)
Thomas Pino, G. Féraud, C. Falvo, P. Parneix and Ph. Bréchnignac
Institut des Sciences Moléculaires d’Orsay, Univ. Paris-Sud. France
- (A-36)
09:20 – 09:45 **CORRELATION ANALYSIS IN THE SINGLE MOLECULE FRET EXPERIMENT: REC A NUCLEOPROTEIN FILAMENT DYNAMICS**
(Invited talk)
Doseok Kim and SungHyun Kim
Sogan University, Seoul Korea.
- (A-37)
09:45 – 10:00 **SYNTHESIS AND OPTICAL CHARACTERIZATION OF ZnO MICRORIBBON WITH ULTRA WIDE (10 0) PARALLEL SURFACES GROWN BY CARBOTHERMAL REDUCTION METHOD**
Ray Vargas, Roland Sarmago, Kohei Yamanoi, Marilou Cadatal-Raduban, Toshihiko Shimizu and Nobuhiko Sarukura.
* National Institute of Physics University of the Philippines Diliman
Institute of Laser Engineering, Osaka University. Japan
- (A-38)
10:00 – 10:15 **A MWCNT/POLYISOPRENE COMPOSITE REINFORCED AN EFFECTIVE LOAD TRANSFER REFLECTED IN THE EXTENT OF POLYMER COATING**
Tonpheng Bounphanh^{1,2}, Junchun Yu, Gerhard Grobner, Ove Andersson
1)National University of Laos; 2)Umeå University, Sweden
- (A-39)
10:15 – 10:30 **FLUORESCENCE PROPERTIES OF Nd³⁺ DOPED GLASSES IN THE VUV REGION**
Kohei Yamanoi, Takahiro Murata, Yasunobu Arikawa, Tomoharu Nakazato, Marilou Cadatal-Raduban, Toshihiko Shimizu, Nobuhiko

Sarakura, Mitsuo Nakai, Hiroaki Nishimura, Hiroshi Azechi, Shigeru Fujino, Hideki Yoshida, Akira Yoshikawa, Nakahiro Satoh, Hirofumi Kan

Institute of Laser Engineering, Osaka University, Osaka 565-0871. Japan

(A-40)
10: 30 – 10: 45

SINGLE MOLECULE FOERSTER RESONANCE ENERGY TRANSFER (SMFRET) EXPERIMENTS WITH LABELED RECA PROTEINS

Duong Vu^{1,2}, *Sung Hyun Kim and Doseok Kim*

¹Center for Quantum and Electronics, Institute of Physics, VAST

²Department of Physics, Sogang University, South Korea

10: 45 – 11: 00

Coffee Break

11: 00 – 12:30

POSTER II

12: 30 - 13: 30

Buffet Lunch

Chairperson: Prof. Dr. Kohz Hakuta (Uni., Electro-Comm,Tokyo, Japan)

Prof. Dr. Duong Ai Phuong (VNU HoChiMinh)

(A- 41)
13: 30 – 13: 55

FIBRE-BASED BROADBAND BLACK LIGHT SOURCE

(Invited talk)

T. Sylvestre, M. W. Lee, A. R. Ragueh , B. Stiller, G. Fanjoux, B. Barviau, A. Mussot and A. Kudlinski

Institute Femto-st, Université de Franche-Comté, Besançon. France.

(A-42)
13: 55 – 14: 20

HIGH POWER LASING SINGLE-MODES OF ERBIUM-DOPED SILICA MICROCAVITY LASERS

(Invited talk)

Pham Van Hoi, Bui Huy, Pham Thanh Son, Nguyen The Anh, Le Huu Thang, Bui Trung Ninh, Roberto Coisson, and Nguyen Thuy Van

IMS, VAST

(A-43)
14: 20 – 14: 35

SENSITIVITY ENHANCEMENT IN LONG-RANGE DISTRIBUTED BRILLOUIN FIBER SENSOR USING ANTI-STOKES SINGLE-SIDEBAND SUPPRESSED-CARRIER MODULATION AND BIDIRECTIONAL EDFA

Duc Minh Nguyen, B. Stiller, J. C. Beugnot, H. Maillotte, T. Sylvestre, A. Mottet and J. Hauden

Institute Femto-st, Université de Franche-Comté. Besançon cedex, France.

(A-44) 14: 35 – 14: 50	TWO-COLOR HOLOGRAPHIC RECORDING IN Tm AND Pr - DOPED LiNbO3 <i><u>Van-Thai Pham</u>, SunKyun Lee, Minh-Tuan Trinh, Ki-Soo Lim, K. Polgár</i> IOP, VAST Chungbuk National University. Korea
(A- 45) 14: 50 – 15: 05	SUPPRESSION METHOD OF CLADDING MODES IN BEND- INSENSITIVE FIBER USING FOR FTTH TECHNOLOGY <i><u>Vu Ngoc Hai</u></i> NTT Institute of Hi-Technology, Nguyen Tat Thanh College, VN.
(A- 46) 15: 05 – 15: 20	THE EFFECTS OF ASE NOISE ON THE PERFORMANCE OF MULTI-WAVELENGTH OCDMA SYSTEMS USING APD RECEIVER <i><u>Bui Trung Ninh</u>, Pham Van Hoi</i> University of Engineering and Technology, VNU Hanoi
(A- 47) 15: 20 – 15: 35	POLARIZATION PHASE - SHIFTING NEWTON INTERFEROMETER WITHOUT POLARIZATION CROSSTALK <i><u>Hung-Xuân Trinh</u>, Shyh-Tsong Lin, Liang-Chia Chen, Sheng-Lih Yeh</i> National Taipei University of Technology, Taiwan
15: 35 – 16: 00	Coffee Break
16: 00 – 16: 30	PLENARY SESSION CLOSING CONFERENCE <i>(Prof. Acad. Nguyen Van Hieu, Prof. Nguyen Dai Hung, Prof. Huynh Thanh Dat, Prof. Duong Ai Phuong, Prof. Tran Linh Thuoc, Prof. Hoang Dung, Prof. Nguyen The Binh, Prof. Pham Van Hoi, Prof. Dinh Xuan Khoa, Prof. Vu Thi Bich)</i>
18: 00 – 20: 00	CONFERENCE PARTY