

SESSION C: OPTICS, LASER AND APPLICATIONS
<i>November 29, 2012(Thursday)</i>

Chairperson: Prof. Dr. Dinh Xuan Khoa (Vinh University)

Prof. Dr. Tran Minh Thai (University of Technology, HCM)

- (C-35)
08:30 - 08:55 **MEASURING SINGLE MOLECULE DIFFUSION TIME USING FLUORESCENCE CORRELATION SPECTROSCOPY**
(Invited talk)
Nguyen Thi Thanh Bao, Dinh Van Trung
Institute of Physics, VAST, Hanoi
- (C-36)
08:55 - 09:20 **FINITE DIFFERENCE TIME DOMAIN METHOD FOR ANALYSES OF PHOTONIC CRYSTAL VERTICAL CAVITY SURFACE EMITTING LASER**
(Invited talk)
Vu Ngoc Hai and Tran Quoc Tien
NTT Institute of Hi-Technology, Nguyen Tat Thanh College
- (C-37)
09:20 - 09:35 **INFLUENCE OF THE PARAMETERS OF THE NONLINEAR MEDIUM ON THE OPTICAL BISTABLE SYSTEM**
Nguyen Thanh Lam, Le Thi Quynh Anh, Tran Ba Chu
Ho Chi Minh City University of Science, VNU, HCM
- (C-38)
09:35 - 09:50 **PHOTOLUMINESCENCE OF VERTICAL ALIGNED SILICON NANOWIRE ARRAYS PREPARED BY METAL-ASSISTED ELECTROCHEMICAL ETCHING**
Dao Tran Cao, Luong Truc Quynh Ngan, and Cao Tuan Anh
Institute of Materials Science, VAST
- (C-39)
09:50 - 10:05 **INFLUENCE OF NONLINEAR FREQUENCY CHIRP ON PULSE-PARAMETERS FOR THE SUPER-GAUSSIAN SHAPE PULSE IN THE ACTIVE MEDIUM OF THE CPM DYE LASER**
Trinh Dinh Chien, Giang Manh Khoi, Be Thu Thuy, Bui Xuan Kien
Hanoi University of Science, VNU Hanoi,
- (C-40)
10:05 - 10:20 **LASER-INDUCED SYNTHESIS OF Au-Ag ALLOY NANOPARTICLES IN DISTILLED WATER**
Trinh Thi Hue, Nguyen The Binh, Tran Trong Duc
University of Science, VNU Hanoi

(C-41)
10:20 - 10:35

**NEGATIVE INDEX OF REFRACTION IN RB85 ATOMIC GAS
UNDER ELECTROMAGNETICALLY INDUCED TRANSPARENCY
REGIME**

Phan Van Dao, Le Van Doai, Dinh Xuan Khoa and Nguyen Huy Bang

Dong Nai University of Technology, Bien Hoa City, Vietnam

(C-42)
10:35 - 10:50

**EFFECT OF PARTICLE SIZE DEPENDENCE IN SURFACE
PLASMON BASED FLUORESCENCE ENHANCEMENT AND
QUENCHING**

**Chu Viet Ha, Pham Minh Tan, J.C. Brochon, Nghiem Thi Ha Lien,
Nguyen Thi Thuy and Tran Hong Nhung**

Institute of Physics, VAST, Ha Noi, Vietnam

10:50 – 11:00

Coffee Break

11:00 – 12:30

POSTER II

12:30 – 13:30

Lunch Buffer