

SESSION B:	
SPECTROSCOPY OF CONDENSED MATTER AND NANO – MATERIALS	
<i>November 29, 2012 (Tuesday)</i>	

Chairperson: Dr. Nguyen Huy Bang (Vinh University)
Prof. Dr. Ho Quang Quy (Academy of Military Science & Technology)

- (B-33)
08:30 - 08:55 **MWO4 (M: Mn, Cu, Ni) NANOMATERIALS: SYNTHESIS, PROPERTIES AND APPLICATION**
(Invited talk)
Luc Huy Hoang, Pham Van Hanh, Pham Van Hai, Nguyen Van Phu
Hanoi National University of Education, Hanoi
- (B-34)
08:55 - 09:20 **PHOTOLUMINESCENT PROPERTIES OF ZnO, ZnO:Eu³⁺, ZnO:Tb³⁺ NANOMATERIALS**
(Invited talk)
Tran Kim Anh, Dinh Xuan Loc, Nguyen Tu, Pham Thanh Huy and Le Quoc Minh
Institute of Materials Science, VAST, Hanoi
- (B-35)
09:20 - 09:35 **RESEARCH AND FABRICATION ZnO/TiO₂ HOTOCATALYTIC THIN FILMS**
Le Phuc Quy, Le Van Hieu, Vu Thi Hanh Thu
Ho Chi Minh City University of Science, VNU HCM
- (B-36)
09:35 – 09:50 **DOPING CONCENTRATION DEPENDENCE OF LUMINESCENT PROPERTIES OF Sr₆Bp₅O₂₀:Eu³⁺ PREPARED VIA CO-PRECIIPITATION METHOD**
L. T. Ha, N. Tu, N. V. Du, N. D. Trung Kien, P. T. Huy
Advanced Institute for Science and Technology (AIST), HUST
- (B-37)
09:50 – 10:05 **EFFECT OF GRAPHENE BUFFER LAYER ON OPTICAL PROPERTIES OF ZnO NANORODS**
Le Quang Toai, Nguyen Doan Thanh Vinh, Duong Dinh Loc, Ha Hai Yen, Nguyen Thuy Ngoc Thuy and Dinh Son Thach
Ho Chi Minh City University of Science, VNU HCM
- (B-38)
10:05 – 10:20 **EFFECT OF THE QUALITY CORE/SHELL INTERFACE ON THE OPTICAL PROPERTIES OF CdS/ZnSe TYPE-II NANOCRYSTALS**
Nguyen Xuan Ca, Nguyen Trung Kien and Nguyen Xuan Nghia
University of Science – Thai Nguyen University

(B-39)
10:20 - 10:35

SHAPE RESONANCE ON THE METAL FILM PERFORATED BY PERIODIC HOLE ARRAYS,

Truong Thuy Kieu Oanh, Ngo Hai Dang, Le Van Trung, Dinh Son Thach

Ho Chi Minh University of Technology, Ho Chi Minh city

(B-40)
10:35 - 10:50

PREPARATION OF THE TRANSPARENT SILVER NANOWIRES ELECTRODE ON FLEXIBLE SUBSTRATE

Tran Quang Trung, Hoang Thi Thu, Truong Cam Hong

Ho Chi Minh City University of Science, VNU HCM

10:50 – 11:00

Coffee Break

11:00 – 12:30

POSTER II

12:30 – 13:30

Lunch Buffer

Chairperson: Prof. Dr. Vu Thi Bich (IOP, VAST)
Prof. Dr. Le Thi Quynh Anh (VNU HoChiMinh)

(B-41)
13:30 – 13:55

OPTICAL PROPERTIES OF Sm³⁺ IONS IN K₂YF₅ HOST CRYSTAL

(Invited talk)

Vu Phi Tuyen, Phan Van Do, Nicholas M. Khaidukov, V.N. Makhov, Vu Xuan Quang, Nguyen Trong Thanh, Doan Tuan Anh

Institute of Materials Science, VAST, Hanoi

(B-42)
13:55 – 14:20

AN IMPROVEMENT OF PHOTOCATALYST OF TiO₂ AND TiO₂:0.5%V⁴⁺ NANOPARTICLES

(Invited talk)

Nguyen Minh Thuy, Duong Quoc Van, Nguyen Hong Quan, Nguyen Thanh Vinh and Le Thi Hong Hai

Hanoi National University of Education, Hanoi.

(B-43)
14:20 – 14:35

RESEARCH PROPERTIES AND SYNTHESIZE OF AU COATED APTES/SiO₂/Fe₃O₄ NANOPARTICLES BY SEED-MEDIATED METHOD, POTENTIALLY FOR MAGNETIC AND OPTICAL DISEASE DIAGNOSTICS

Tran Hoang Hai, Truong Thuy Kieu, Nguyen Thi Hang, Bui Thi Lan Khanh, Le Hong Phuc, Le Khanh Vinh, Doan Thi Kim Dung, Nguyen Quan Hien, Le Bin Ho and Bui Trung Thanh

Ho Chi Minh City Institute of Physics, VAST

(B-44)

14:35 – 14:50

ZnO NRs/ITO HETEROGENEOUS NANO STRUCTURES FOR SUBSTRATES OF ORGANIC SOLAR CELLS

Son Cao Hoang Tran, Top Khac Le, Nhan Chi Thuc Ha, Thang Bach Phan, Vinh Quang Lam, Thu Hanh Thi Vu, Dinh Nang Nguyen, Hieu Van Le

Ho Chi Minh City University of Science, VNU, HCM

(B-45)

14:50 – 15:05

THE OPTICAL AND ELECTRICAL PROPERTIES OF ZnO AND ZnO:Ag THIN FILMS DEPOSITED BY SPRAY PYROLYSIS METHOD

Pham Van Vinh and Le Minh Son

Hanoi National University of Education, Hanoi

(B-46)

15:05 – 15:20

SYNTHESIS OF ZnO NANOWIRES ON Ti/GLASS SUBSTRATES BY D.C MAGNETRON SPUTTER DEPOSITION

Dinh Thi Mong Cam, Vo Hoang Thao Linh, Nguyen Thanh Hoang, Nguyen Chi Thang, Nguyen Thi Kieu Ngan

Ho Chi Minh City University of Science, VNU, HCM