### **PROGRAM**

## THE 5<sup>th</sup> CONFERENCE ON APPLIED & ENGINEERING PHYSICS

October 2-4, 2017

Da Lat University 01 PhuDong Thien Vuong, Da Lat City, Lam Dong Province, Vietnam

# THE 5<sup>th</sup> CONFERENCE ON APPLIED & ENGINEERING PHYSICS

## HỘI NGHỊ TOÀN QUỐC LẦN V VẬT LÝ KỸ THUẬT VÀ ỨNG DỤNG

October 2-4, 2017
Da Lat City, Vietnam

https://iop.vast.ac.vn/activities//hnvlktud\_caep/2017/index\_e.html

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#### **BRIEF PROGRAMME**

Conference location: Da Lat University, 01 PhuDong Thien Vuong, Da Lat Ciy, Lam Dong Province, Vietnam

Time	Monday October 2, 2017	Tuesday October 3, 2017	Wednesday October 4, 2017	Thursday October 5, 2017
08:00 - 11:30	ARRIVAL IN DA LAT CITY Check in	REPORT SESSIONS	REPORT SESSIONS	DALAT TOURS
	Lunch	Lunch	Lunch	Lunch
13:30 -18:00	REPORT SESSIONS	REPORT SESSIONS	REPORT SESSIONS	GOOD BYE DALAT!
	MEETING OF THE APPLIED &ENGINEERINGPHYSICSCOMMITTEE	POSTER SESSIONS	CLOSING SESSIONS	
18:30 -21:00	WELCOME PARTY			

#### **PROGRAM**

#### Monday - October 2, 2017

09:00-11:30

- Arrival and check in
  - Registration at University of Da Lat

13:00:13:30

#### **Official Opening**

- Welcoming Speech Prof. Dr. Nguyen Duc Hoa,
   Rector of Da Lat University,
- Speech by Prof. Dr. Nguyen Dai Hung
- President of Vietnam Physical Society
- Opening speech Prof. Dr. Le Hong Khiem
- Conference's Co-chairman
- Introduction of Vietnam National University, HoChiMinh Prof. Dr. Huynh Thanh Dat
- Introduction of Nat. Cen. for Tech. Progress (NACENTECH)
  Prof. Dr.Le Hung Lan

#### **REPORT SESSION**

Chairperson: Prof. Dr. Nguyen Dai Hung

## <u>O-01</u> DA LAT UNIVERSITY, HUMAN RESOURCE CENTER 13:30 – 14:00 FOR NUCLEAR SCIENCE AND TECHNOLOGY

(Invited Talk)

Nguyen Xuan Hoa

Da Lat University

### $\frac{O-02}{14:00-14:30}$

#### GREEN LIGHT SOURCES AND GREEN LIGHTING

(Invited Talk)

**Pham Hong Duong** 

Institute of Materials Science, VAST, 18 Hoang Quoc Viet Rd, Caugiay Dist, Hanoi, Vietnam

 $\frac{O-03}{14:30-15:00}$ 

BUILDING UP HYPER – RESOLUTION LASER SPECTROSCOPY FOR RESEARCH AND ATOM/MOLECULAR OPTICAL PROPPERTY MANIPULATION IN VINH UNIVERSITY

(Invited Talk)

Nguyen Huy Bang

Vinh University, 183 Le Duan Str., Vinh City, Vietnam

15:00 – 15:05 PHOTO SESSION

15:05 - 15:20 COFFEE BREAK

#### REPORT SESSION

Chairperson: Prof. Dr. Dinh Van Trung

Caugiay Dist, Hanoi, Viet Nam

<u>*O-04*</u> 15:20-15:50 WAVELENGTH SHIFT MEASUREMENT METHOD WITHOUT USE OF SPECTROMETER: THE NEW WAY FOR ENVIRONMENT PHOTONIC SENSORS

(Invited Talk)

Pham Van Hoi, Nguyen Thuy Van, Pham Van Dai, Bui Huy, Le Huu Thang, Nguyen Van An, and Pham Thanh Binh Institute of Materials Science, VAST, 18 Hoang Quoc Viet Rd,

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#### <u>O-05</u> PRELIMINARY DETERMINATION THE EXTINCTION 15:50 – 16:05 COEFFICIENT OF HALONG CITY OF QUANG NINH PROVINCE

Bui Thi Thanh Lan

Department of Physics, Ha Noi University of Mining and Geology, 18 Pho Vien, DucThang, BacTuLiem

## <u>0-06</u> TEST MEASURING OF OZONE DISTRIBUTION IN THE 16:05 – 16:20 LOWER ATMOSPHERE WITHLIDAR DIFFERENTIAL ABSORPTION METHOD

Pham Minh Tien, Bui Van Hai, Duong Tien Tho, Pham Dong Bang, Do Quang Hoa, Dinh Van Trung

Hochiminh city Institute of Physics, VAST

#### <u>O-07</u> POSSIBILITY OF USING MOSSFOR DIAGNOSTING 16:20 – 16:35 AIR POLLUTION IN HANOI, BAC NINH AND HUNG YEN

Le Dai Nam, Le Hong Khiem, Vu Duc Quan, Khuat Thi Hong, Nguyen Thi Mai, Trinh Dinh Trung, Vu Hoang Hai Institute of Physics, VAST

## <u>0-08</u> ANALYSIS THE BRAIN'S RESPONSE TO A STIMULUS 16:35 – 16:50 SIGNAL WITH REAL AND IMAGINARY

Tran Thanh Huy, Le Quoc Khai, Huynh Quang Linh

Faculty of Applied Science, University of Technology, Vietnam National University – Ho Chi Minh City

#### <u>0-09</u> TREATMENT AND PREVENTION OF CHRONIC 16:50 – 17:05 BACKACHE USING MEDICAL TRAINING THERAPY-MTT

Nguyen The Thuong, Nguyen Quy Hoang, Mai Thuy Tuong Vi, Nguyen Dai Phong, Nguyen Ngoc Duc

Institute for Biomedical Physics, 109A Pasteur, Ben Nghe, Distr. 1. HCM

<u>O-10</u> DEVELOPMENT OF A NEUTRON/GAMMA PULSE 17:05 – 17:20 SHAPE DISCRIMINATION METHOD FOR THE FAST NEUTRON DETECTOR USING EJ-301 LIQUID SCINTILLATOR

Phan Van Chuan

Dalat University, 01 Phu Dong ThienVuong, Dalat, Lam Dong

17:20 – 17:40 MEETING OF THE APPLIED & ENGINEERING PHYSICS COMMITTEE

**18:30 – 21:00** 

**GALA DINNER** 

#### **Tuesday – October 3, 2017**

#### REPORT SESSION

Chairperson: Dr. Huynh Quang Linh

### <u>O-11</u> THE APPLICATION OF N<sub>2</sub>/Ar MICRO-PLASMA TO 8:30 – 8:45 HEALING CHEMICAL BURN WOUND ON MICE

Ngo Minh Hien, Vo Hoang Thuc Minh, Nguyen Thi My Anh, Nguyen Thi Kim Mai, Nguyen Ngoc Thang, Huynh Quang Linh

Ho Chi Minh University of Technology, 268 Ly Thuong Kiet Distric 10 Ho Chi Minh City, Viet Nam

## O-12 8:45-9:00 RESEARCH AND DEVELOPMENT OF AN ARGON PLASMA COAGULATION SYSTEM FOR MEDICAL TREATMENT

Nguyen Tuan Anh

Nat. Cen. for Tech. Progress (NACENTECH)

## <u>O-13</u> SILVER NANOPARTICLE BASED SERS ACTIVE 9:00–9:15 PAPER SUBSTRATES

Nguyen Thi Bich Ngoc, Nguyen Thi Thai An, Nguyen Trong Nghhia, Vu Van Son, Nguyen Van Au and Tran Hong Nhung

Institue of Physics, Vietnam Academy fo Science and Technology – VAST, 18 Hoang Quoc Viet, Hanoi, Vietnam

#### <u>O-14</u> ĐO ĐẠC KHÍ QUYỀN TẦNG CAO SỬ DỤNG KỸ THUẬT 9:15 – 9:30 LIDAR VỚI KÍNH THIÊN VĂN KHẨU ĐỘ LỚN

Phạm Đồng Bằng

Institute of Physics, VAST

## O-15 9:30 - 9:45 CLATHRATE HYDRATES BY RAMAN MICROSPECTROSCOPY

Nguyen The Thuong

Institute for Biomedical Physics, 109A Pasteur, Ben Nghe, Distr. 1, HCM

#### <u>0-16</u> NUMERICAL INVESTIGATION OF THE ELECTRONIC 9:45 – 10:00 BAND STRUCTURES OF THE ULTRAVIOLET LASER HOST CRYSTALS: LiCaAlF<sub>6</sub> AND LiSrAlF<sub>6</sub>

Marilou Cadatal-Raduban, Mui Viet Luong, Minh Hong Pham, Hung Dai Nguyen

Centre for Theoretical Chemistry and Physics, Institute of Natural and Mathematical Sciences, Massey University, New Zealand

#### 10:00 – 10:15 COFFEE BREAK

#### REPORT SESSION

Chairperson: Prof. Dr. Tran Minh Thai

## <u>O-17</u> A COST EFFECTIVE DAYLIGHTING SYSTEM FOR 10:15 – 10:45 ENERGY SAVING IN MULTI-STORY BUILDING

(Invited Talk)

Seoyong Shin

Department of Information and Communications Engineering, Myongji University, San 38-2 Nam-dong, Yongin 449-728, South Korea

## <u>O-18</u> LOW TEMPERATURE GEOPOLYMERIC SETTING 10:45 – 11:00 BRICKS(LTGS) WITH FLY ASH - BYPRODUCTS OF THERMOELECTRIC MILLS

Doan Ba Tuan, Nguyen The Hung, Bui Thi Thu Phuong

Institute of Physics, Vietnam Acadamy of Science and Technology

### <u>O-19</u> STUDY ON DOSE RESPONSE OF K2GDF5:Tb TO 11:00 – 11:15 VARIOUS RADIATION RAYS

Ha Xuan Vinh, Nguyen Chi Thang, Đoan Phan Thao Tien

Nhatrang Institute of Technology Research & Application - VAST

## O-20 OPTICAL BISTABILITY BASED ON FANO-LIKE 11:15 – 11:30 GUIDED MODE RESONANCES IN NONLINEAR PHOTONIC CRYSTAL SLABS

Hoang Thu Trang and Ngo Quang Minh

Institute of Materials Science, VAST Graduate University of Science and Technology

## O-21 RESEARCH AND DEVELOPMENT OF AN ARGON 11:30 - 11:45 PLASMA COAGULATION SYSTEM FOR MEDICAL TREATMENT

Le Huy Tuan, Nguyen Tuan Anh, Giang Manh Khoi, Chu Thi Minh Hoa

Center of Laser Technology, National Centre for Technological Progress, C6 Thanh Xuan Bac, Thanh Xuan, Hanoi, Vietnam

#### 11:35 – 13:00 LUNCH BREAK

Chairperson: Prof. Dr. Tran Ngoc

#### <u>O-22</u> HIGH RATE DEPOSITION OF PHOTOACTIVE TIO2 13:00 – 13:30 FILMS BY HOT HOLLOW CATHODE

(*Invited Talk*)

#### Jiri Olejnicek

Department of Low Temperature Plasma, Institute of Physics, Academy of Sciences of the Czech Republic

#### <u>O-23</u> ĐÁNH GIÁ MÔ HÌNH MÔ PHỎNG MONTE CARLO 13:30 – 13:45 CỦA ĐẦU DÒ BÁN DẪN SỬ DỤNG PHƯƠNG PHÁP BÁN THỰC NGHIỆM

#### Hoàng Đức Tâm

Ho Chi Minh University of Technology, 268 Ly Thuong Kiet Distric 10 Ho Chi Minh City, Viet Nam

# O-24 RESEARCH INTO SOLID WASTE'S OUTPUT 13:45 – 14:00 COMPOSITION OF WASTE TREATMENT FACTORY USING PLASMA TECHNOLOGY AT VIET HUNG COMMUNE, ĐONG ANH DISTRICT, HA NOI

Ngo Tra Mai, Do Hoang Tung

Institute of Physics, Vietnam Academy of Science and Technology

# O-25 INFLUENCE OF COUPLING COEFFICIENT ON 14:00 – 14:15 SPECTRAL LINEWIDTH OF DFB HIGH-POWER DIODE LASER AT 780 nm USING IN ATOMIC ABSORPTION SPECTROSCOPY

#### Thanh Phuong Nguyen, Tran Quoc Tien

School of Engineering Physics, Hanoi University of Science and Technology, No.1 Dai Co Viet, Hai Ba Trung, Hanoi, Vietnam

#### <u>O-26</u> CHẾ TẠO VÀ NGHIÊN CỨU VẬT LIỆU PHÁT QUANG 14:15 – 14:30 DÙNG TRONG CHIẾU SÁNG NÔNG NGHIỆP

**Lê Ngọc Liêm** Đại học Quốc gia, Tp. Hồ Chí Minh

### <u>0-27</u> THE PROTON COMPUTED TOMOGRAPHY WITH 14:30 – 14:45 VIPMAN PHANTOM: A SIMULATION STUDY

D.Q.Huy, D.T.Manh, T.C.Chao, C.C.Lee

Oncology Center, 175 Military Hospital, HoChiMinh City, VietNam

Department of Medical Imaging and Radiological Sciences, College of Medicine,

Chang Gung University, Taiwan

## <u>O-28</u> STUDY ON FABRICATION PROCESS OF GRAPHENE 14:45 – 15:00 OXIDE AND ITS ULTRASONIC REDUCTION TO OBTAIN rGO

Nguyen Chi Thang, Ha Xuan Vinh, Ngo Van Tam

Dept. Applied Physics - Nhatrang Institute of Technology Research & Application- Viet Nam Academy of Science and Technology

#### 15:00 – 15:15 COFFEE BREAK

Chairperson: Dr. Pham Hong Tuan

#### <u>O-29</u> KHẢ NĂNG ÁP DỤNG PHƯƠNG PHÁP PIXE ĐỂ PHÂN 15:20 – 15:50 TÍCH CÁC NGUYÊN TỐ KIM LOẠI NẶNG TRONG RÊU

(Invited Talk)

Lê Hồng Khiêm

Institute of Physics, VAST

### <u>*O-30*</u> THERMO-MAGNETICTHERAPY FOR MEDICAL 15:50 – 16:05 TREATMENT

Nguyen Minh Tan, Pham Trung Kien, Chu Thi Minh Hoa, Giang Manh Khoi, Nguyen Tuan Anh

Center of Laser Technology, National Centre for Technological Progress, C6 Thanh Xuan Bac, Thanh Xuan, Hanoi, Vietnam

# O-31 RAYLEIGH LIDAR TEMPERATURE PROFILES 16:05 – 16:20 BETWEEN 10 – 60 KM USING LIDAR TECHNIQUE WITH A BIG SIZE NEWTONIAN TELESCOPE IN HANOI (21001'42"N, 105051'12"W), VIETNAM

Bui Van Hai

Le Quy Don University, 336 Hoang Quoc Viet, Ha noi

## <u>O-32</u> AUTOMATIC DETECTION OF SLEEP ONSET IN 16:20 – 16:35 HEALTHY ADULTS

Le Quoc Khai, Dinh Thi Ngoc Anh, Huynh Quang Linh Biomedical Engineering Department, Faculty of Applied Science, University of Technology, Vietnam National University – Ho Chi Minh City

#### 16:35 – 18:00 POSTER SESSION

#### Wednesday – October 4, 2017

#### REPORT SESSION

Chairperson: Dr. Tran Quoc Tien

#### O-33 EFFECT OF SOLDER TYPE ON RELIABILITY OF IC 8:00 - 8:30 PACKAGE

(Invited Talk)

#### Anusara Srisrual

IMI, Faculty of Applied Science, KMUTNB, 1518 Pracharat 1 Road, Wongsawang, Bangsue, Bangkok, 10800, Thailand

## O-34 DYE DOPED SILICA-BASED NANOPARTICLES FOR 8:30 – 8:45 CANCER CELLS DETECTING AND IMAGING

Hong Nhung Tran, My Nhung Hoang, Thi Thuy Nguyen, Van Son Vu, Thi Quy Nguyen, Cao Nguyen Duong, Thi Ha Lien Nghiem, Thi Thuy Duong Vu, Minh Tan Pham, Thi Bich Ngoc Nguyen, Thi Ngoc Phan, Dac Tu Nguyen Institue of Physics, Vietnam Academy fo Science and

Institue of Physics, Vietnam Academy fo Science and Technology – VAST, 18 Hoang Quoc Viet, Hanoi, Vietnam

#### O-35 8:45 – 9:00 NGHIÊN CÚU, CHẾ TẠO CÁC HẠT VI CẦU ĐỊNH HƯỚNG KẾT HỢP VỚI CẦU TRÚC TINH THỂ QUANG TỬ DẪN SÓNG 2D

Nguyễn Văn Ân

Đại học Khoa học Tự nhiên, Đại học Huế

## 9:00 – 9:15 FLEXIBLE POLYMER MICRO LASERS AND THEIR APPLICATIONS FOR CHEMICAL SENSING

Ta Van Duong, Nguyen Van Toan

Department of Optical engineering, Le Quy Don Technical University, 236 Hoang Quoc Viet Street, Bac Tu Liem, Hanoi,

Vietnam

### <u>*O*-37</u> MICRO-PLASMA DIAGNOSIS FOR BIOMEDICAL 9:15 – 9:30 APPLICATIONS

Ngô Thị Minh Hiền, Võ Hoàng Thục Minh, Nguyễn Thị Mỹ Anh, Nguyễn Thị Kim Mai, Nguyễn Ngọc Thắng, Huỳnh Quang Linh

Falcuty of Applied Science, Ho Chi Minh University of Technology, 268 Ly Thuong Kiet Distric 10 Ho Chi Minh City, Viet Nam

#### <u>0-38</u> MULTIPLE-PLANE PHASE RETRIEVAL: PRINCIPLES, 9:30 – 9:45 APPLICATIONS AND TECHNIQUES

Percival Almoro

University of the Philippines, Philippines

## **O-39** APPLYING SOME EDGE DETECTION TECHNIQUES 9:45 – 10:00 IN THE GRAVITY ANOMALY DATA ANALYSIS

Nguyen Hong Hai

An Giang University
VNU HCM – University of Science

#### 10:00 – 10:15 COFFEE BREAK

Chairperson: Prof. Dr. Le Hong Khiem

<u>0-40</u> TERAHERTZ CHARACTERISTICS OF GaAs - BASED 10:15 – 10:45 SEMICONDUCTOR MATERIALS: CURRENT RESEARCH IN NATIONAL INSTITUTE OF PHYSICS UNIVERSITY OF THE PHILIPPINES

(*Invited Talk*)

Elmer S. Estacio

National Institute of Physics, University of the Philippines-Diliman, Quezon City

<u>O-41</u> LIDAR CHARACTERIZATION OF A XY 10:45 – 11:00 NANOPOSITIONING STAGE WITH INTEGRATED CAPACITIVE SENSOR FOR SINGLE MOLECULE FLOURESCENCE MEASUREMENTS

Dinh Van Trung

Institute of Physics, VAST

O-42 TERAHERTZ EMISSION CHARACTERISTICS OF 11:00 – 11:15 DOPED GaAs AND InAs UNDER 650 mT EXTERNAL MAGNETIC FIELD

> Alexander De Los Reyes, Lorenzo Lopez, Jr., Joselito Muldera,Ramon Delos Santos, Hannah Bardolaza, Elizabeth Ann Prieto, Armando Somintac, Arnel Salvador, Masahiko Tani and Elmer Estacio

> National Institute of Physics, University of the Philippines Diliman, Quezon City, Philippines

<u>*O-43*</u> ENHANCEMENT OF VISIBLE AND TERAHERTZ 11:15 – 11:30 EMISSION IN NANOSTRUCTURED SILICON

Neil Irvin Cabello, Philippe Tingzon, Kerr Cervantes, Arven

Cafe, Joybelle Lopez, Arvin Mabilangan, Alexander De Los Reyes, Maria Angela Faustino, Lorenzo Lopez Jr., Joselito Muldera, Dinh Cong Nguyen, Xuan Tu Nguyen, Hong Minh Pham, Thanh Binh Nguyen, Arnel Salvador, Armando Somintac, Elmer Estacio

Condensed Matter Physics Laboratory, National Institute of Physics, University of the Philippines, Diliman, Quezon City, Philippines De La Salle University, De La Salle University, 2401 Taft Avenue, Manila, Philippines Institute of Physics, Vietnam Academy of Science and Technology, 10 Dao Tan, Ba Dinh, Hanoi, Vietnam

#### <u>*O-44*</u> 11:30-11:45

APPLICATION OF 2D-ERT AND SEISMIC REFRACTION FOR DELINEATION OF GYPSUM AT NADONE VILLAGE, THAKHEK DISTRICT, KHAMMOUANE PROVINCE, LAO PDR

Sounthone Singsoupho; Viengthong Xayavong; Sackxay Sompasert, Thiengsamone Xouansoundao; Tripob Bhongsuwan

Department of Physics, Faculty of Science, National University of Laos, P.O. Box: 7322 Vientiane Capital, Lao PDR Geophysics Research Center, Department of Physics, Faculty of Science, Prince of Songkla University, 90112 Hatyai, Thailand

#### 11:45 – 12:45 LUNCH BREAK

Chairperson: Prof. Dr. Le Hong Khiem

O-45 CATALYTIC OXIDATIVE CHEMICAL TREATMENT
13:00-13:30 FOR THE REMOVAL OF ELEMENTAL MERCURY ON
CARBON STEEL (SAE J429) SURFACE

(Invited Talk)

Wan Azelee Wan Abu Bakar and Farah Ilyana Khairuddin Department of Chemistry, Faculty of Science, Universiti Teknologi Malaysia

O-46
13:30-13:45
THEORETICAL AND EXPERIMENTAL STUDIES OF
DEBYE-WALLER FACTORS AND XAFS OF FCC
CRYSTALS

Nguyen Van Hung

O-47
13:45-14:00 DEVELOPMENT AND FIELD TESTING OF A COSTEFFECTIVE 150W SINGLE-AXIS SOLAR TRACKING
SYSTEM USING A REALTIME LABVIEW DAQ
MONITORING MODULE

Lemthong Lathdavong, Kongsin Xayaliand Young Joo Song Department of Physics, Faculty of Natural Science, National University of Laos

<u>*O-48*</u> HYBRID INTEGRATED NANOPHOTONIC 14:00-14:15 STRUCTURES AND THEIR APPLICATIONS

Hoang Thi Hong Cam

Institute of Material Sciences, VAST

O-49 NON-LINEAR MARGINAL AND GENERALIZED 14:15-14:30 LINEAR MIXED REGRESSION MODELS OF AIDS INCIDENCE IN BANGKOK

#### Pianpool Kirdwichai

King Mongkut's University of Technology North Bangkok

#### <u>*O-50*</u> 14:30-14:45

NFLUENCE OF PREPARATION METHOD OF TITANIA BASED BIMETALIC OXIDE ON PHOTOCATALYTIC DEGRADATION OF 1,2-DICHLOROBENZENE

Renugambaal Nadarajan, Wan Azelee Wan Abu Bakar

Department of Chemistry, Faculty of Science, Universiti Teknologi Malaysia, 81310 UTM Johor Bahru, Johor, Malaysia

### <u>*O-51*</u> 14:45-15:00

DEVELOPMENT OF A LASER PULSE AMPLIFIER BASED ON CHIRPED PULSE AMPLIFICATION TECHNIQUE FOR ULTRASHORT TITAN-SAPPHIRE LASER PULSES

Pham Huy Thong, Nguyen Xuan Tu, Pham Van Duong, Nguyen Thanh Dan, Pham Hong Minh, Buganov Oleg and S.A. Tikhomirov

Center for Quantum Electronic, Institute of Physics, VAST. 18 Hoang Quoc Viet, Cau Giay, Hanoi

B.I. Stepanov Institute of Physics, National Academy of Science of Belarus

#### 15:00 – 15:15 COFFEE BREAK

Chairperson: Dr. Anusara Srisrual

### <u>O-52</u> A DESIGN OF SIMPLE SUPER-CAPACITOR BY USING 15:15-15:45 ACTIVATED CARBON

(Invited Talk)

Sreng Soukeang and Chan Oeurn Chey

Faculty of Science, Royal University of Phnom Penh, Cambodia

# O-53 OPTIMIZATION CHARACTERISTIC PARAMETERS 15:45-16:00 OF PHOTONIC CRYSTAL FIBER WITH CORE INFILTRATED BY CARBON DISULFIDE LIQUID FOR SUPERCONTINUUM GENERATION

Linh Thuy Dang, Huyen Ngoc Phan, Vu Quang Nguyen, Huong Lan Nguyen, Vu Tran Quoc, Khoa Dinh Xuan, Lanh Van Chu

Department of Physics, Vinh University, 182 Le Duan Street, Vinh City, Viet Nam;

Thu Khoa Nghia High School for The Gifted, Chau Doc City, An Giang province, Vietnam

## O-54 PHOTONIC CRYSTAL FIBER WITH CORE 16:00-16:15 INFILTRATED BY CARBON TETRACHLORIDE FOR NONLINEAR EFFECTS GENERATION

Nhat Thai Dang, Linh My Nguyen, Chi Linh Dang, Trang Thi Nguyen, Vu Tran Quoc Khoa Dinh Xuan, Lanh Van Chu Department of Physics, Vinh University, Vinh City, Viet Nam Thu Khoa Nghia High School for The Gifted, Chau Doc City, An Giang province, Vietnam

## O-55 16:15-16:30 DEGRADATION METHYLENE BLUE IN WEST WATER BY USING PHOTO-CATALYSIS OF ZINC OXIDE NANOWIRES

Hun Saruon, Chey Thavy and Chan Oeurn Chey

Faculty of Science, Royal University of Phnom Penh, Cambodia

# O-56 16:30-16:45 USING MODIFIED SCREEN-PRINTED ELECTRODE WITH POLYPYRROLE/GRAPHENE OXIDE NANOCOMPOSITES

**Do T. N. Tram, Edmond Magner and Truong T. N. Lien**School of Engineering Physics, Hanoi University of Science and Technology, Vietnam

#### <u>0-57</u> INVESTIGATING VISIBLE - PHOTOCATALYTIC 16:45-17:00 ACTIVITY OF MoSe<sub>2</sub>/TiO<sub>2</sub> HETEROSTRUCTURE THIN FILMS AT VARIOUS MoSe<sub>2</sub> DEPOSITION TIME

Nguyễn Ngọc Phương Dung, Nguyễn Tố Ái, Hoàng Lương Cường, Lê Vũ Tuấn Hùng

Physics & Engineering Physics Faculty – Science University of HCMC

## <u>*O-58*</u> INTRODUCTION OF UNIVERSITY OF YANGON, 17:00-17:15 MYANMAR

Prof. Khin khin Win

Department of Physic, University of Yangon, Yangon, Myanmar

#### 17:15 – 17:45

#### OFFICIAL CLOSING

**Prof. Dr. Le Hong Khiem**– Director, IOP - VAST

Thursday- October 5, 2017

### **DALAT TOURS**