

Tran Tien Phuc  
[phuctt@ntu.edu.vn](mailto:phuctt@ntu.edu.vn)

Department of Industrial Electrical Engineering  
Faculty of Electrical and Electronic Engineering  
02 Nguyen Dinh Chieu St., Nha Trang City, Vietnam  
Tel: (84) 58 3831149

### **EDUCATION**

*University of Science Ho Chi Minh City, Vietnam National University, Ho Chi Minh*, Vietnam  
PhD in Radio Physics and Electronics, 2005-2009

*Da Lat University, Da Lat, Vietnam*  
MSc in Physical Engineering, 1996-1999

*Ha Noi University (Dai hoc Tong hop Hanoi)*, Hanoi, Vietnam  
Bachelor in Physics, 1973-1977

### **RESEARCH INTERESTS**

- Marine Electrics.
- Nano electronic equipment.
- Regenerated Energies.

### **RESEARCH EXPERIENCE**

- Research on applying marine radar connected to GPS on offshore trawlers of Khanh Hoa Province, 2012.
- On theory of single molecule transistor, 2009
- Research on using solar electricity for sea cages in Vung Ngan, Nha Trang, Khanh Hoa, 2013

### **TEACHING RESPONSIBILITY**

#### **Undergraduate**

- Marine Electronic Equipment
- Science and Nanomaterials
- Digital Signal Processing
- Renewable energy sources

#### **Graduate**

- Advanced Digital Signal Processing
- Field-Programmable Gate Array Technology
- Electronic Equipment used in Fishing

## PUBLICATIONS and PRESENTATIONS

### **Journals**

**Tran Tien Phuc**, 2007, Molecular transistor  $C_6H_4Br_2$ ,  $C_6H_4F_2$  and  $C_6H_4Cl_2$ , Advances in Natural Sciences, Vol. 8, No. 3&4, p. 459-468.

**Tran Tien Phuc**, 2008, Molecular transistor, Science & technology development, Vietnam national university - HoChiMinh city, Vol. 11, No. 02, tr. 50-59.

**Tran Tien Phuc**, 2009, On theory of single molecule transistor, J. Phys.: Conf. Ser. 187 012055.

Dinh Sy Hien, Nguyen Thi Luong, Le Hoang Minh, **Tran Tien Phuc**, Pham Thanh Trung, Bui An Dong, Huynh Lam Thu Thao, Nguyen Van Le Thanh, Thi Tran Anh Tuan, Huynh Hoang Trung, Nguyen Thi Thanh Nhan and Dinh Viet Nga, Development of quantum device simulator NEMO-VN1, J. Phys.: Conf. Ser. 187 012088.

**Tran Tien Phuc**, 2011, Solar LED light in Nha Trang, Journal of fisheries science and technology, No 2/2011, p. 65-70.

**Tran Tien Phuc**, 2013, Research to improve a fish finder from using single frequency to change dual-frequency to increase fishing yields, Journal of fisheries science and technology, No 3/2013, p. 33-38.

### **Presentations**

**Tran Tien Phuc**, 2007, Molecular transistor  $C_6H_4Br_2$ ;  $C_6H_4F_2$  và  $C_6H_4Cl_2$ , Collection of reports, The 5th National Conference on Solid State Physics, Vung Tau, p. 768-772.

**Tran Tien Phuc**, 2008, Some research results on the single-molecule transistor, APCTP – ASEAN Workshop on Advanced Materials Science and Nanotechnology, NXB Khoa học Tự nhiên và Công nghệ, p. 565-573.

Dinh Sy Hien, **Tran Tien Phuc**, Pham Thanh Trung, Bui An Dong, Huynh Lam Thanh Thao, Nguyen Van Le Thanh, Thi Tran Anh Tuan, Huynh Hoang Trung and Nguyen Thi Thanh Nhan, 2008, A quantum device simulator – NEMO-VN, The Eleventh Vietnamese-German Seminar on Physics and Engineering (VGS 11), Nha trang, p. 42-45.

Dinh Sy Hien, Nguyen Thi Luong, Le Hoang Minh, **Tran Tien Phuc**, Pham Thanh Trung, Bui An Dong, Huynh Lam Thu Thao, Nguyen Van Le Thanh, Thi Tran Anh Tuan, Huynh Hoang Trung, Nguyen Thi Thanh Nhan, Dinh Viet Nga, 2008, Development of quantum device simulator, NEMO-VN1, APCTP – ASEAN Workshop on Advanced Materials Science and Nanotechnology, Natural Science and Technology Publishing House, p. 1070 - 1079.

Phan Van Cuong, **Tran Tien Phuc**, 2013, Synthesis of Indium-Tin Oxide Nanostructures By Vapor-Liquid-Solid Technique With Gold Catalyst And Self-Catalyst, The 3<sup>rd</sup> Conference on Applied Engineering Physics.

**Tran Tien Phuc**, Phan Van Cuong, 2013, Research to improve the FURUNO FCV-668 fish finder from using single frequency to change dual-frequency to increase fishing yields, The 3<sup>rd</sup> Conference on Applied Engineering Physics.