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### EDUCATION:

**Doctor of Philosophy**, Physics, 03/2016

Department of Physics, Graduate School of Science, Osaka University, Japan  
Adviser: Prof. Yasuo Nozue

**Master of Science**, Physics, 03/2011

Department of Physics, Graduate School of Science, Osaka University, Japan  
Adviser: Prof. Yasuo Nozue

**Bachelor of Science**, Physics, 03/2006

Department of Nuclear Physics, Faculty of Physics, University of Science, VNUHCM  
Adviser: Assoc. Prof. Mai Van Nhon

### EMPLOYMENT:

**Researcher**

05/2016 – present

Center for Innovative Materials and Architectures (INOMAR), VNUHCM

**Researcher**

04/2006 – 04/2016

Laboratory for Nanotechnology (LNT), VNUHCM

### SCHOLARSHIP AND FELLOW:

- Japanese Student Services Organization (JASSO) 2014 – 2016
- Japanese Government Scholarship (Monbukagakusho) 2008 – 2014
- Research Fellow, CNNC Center, Sungkyukwan University, Korea 2007

### PROJECT:

- **Principal Investigator**, Synthesis of Noble Metal Nanoparticles Incorporated into Porous Materials Toward Plasmonic Application, VNUHCM Project C [2015-2017].
- **Researcher**, Study on Synthesis of Carbon Nanotubes for Field Emission Devices, Bilateral Vietnamese-Korean Governments Project According to Protocol [2007-2008].
- **Researcher**, Fabrication of Nanomaterials, Ministry of Science and Technology Project [2007-2008]

### PEER-REVIEW PUBLICATIONS:

1. M. Djavid, M. H. T. Dastjerdi, M. R. Philip, D. D. Choudhary, **T. T. Pham**, and H. P. T. Nguyen, *Photonic Crystal Based Permutation Switch for Optical Networks*, to be published on Photonic Netw. Commun.
2. **Pham Tan Thi**, Takehito Nakano, Yasuhiro Sakamoto, and Yasuo Nozue, *Electronic Properties of Alkali Metals Loaded into Channel-type Zeolite L*, IOP Confer. Ser.: Mater. Sci. Eng. **196**, 012002-1 (2017).
3. M. R. Philip, D. D. Choudhary, M. N. Bhuyian, J. Piao, **T. T. Pham**, D. Misra, and H. P. T. Nguyen, *Controlling Color Emission of InGaN/AlGaIn Nanowire Light-Emitting Diodes Grown by Molecular Beam Epitaxy*, to be published on J. Vac. Sci. Technol. B

4. **Pham Tan Thi\***, Takehito Nakano, Yasuhiro Sakamoto, and Yasuo Nozue, *Optical, Electrical and Magnetic Properties of Potassium Metal Loaded into Channel-type Zeolite L*, J. Phys. Soc. Jpn **85**, 024703 (2016).
5. Thi Ngoc Tu Le, **Tan Thi Pham**, Quang Minh Ngo, and Thi Hanh Thu Vu, *Electrochemical Synthesis of ZnO Nanorods/Nanotubes/Nanopencils on Transparent Aluminum-Doped Zinc Oxide Thin Film for Photocatalytic Application*, J. Nanosci. Nanotechnol. **15**, 6568 (2015).
6. Mutsuo Igarashi, Takehito Nakano, **Pham Tan Thi**, Yasuo Nozue, Kenjiro Hashi, Shinobu Ohki, Tadashi Shimizu, Andraz Krajnc, Peter Jeglic, and Denis Arcon, *NMR State of Thermally Activated Paramagnetism in Metallic Low Silica Zeolite Filled with Sodium Atoms*, Phys. Rev. B **87**, 075138 (2013).

#### PRESENTATION AND CONFERENCE:

1. **Pham Tan Thi**, Takehito Nakano, Yasuhiro Sakamoto, and Yasuo Nozue, *Electronic Properties of Potassium Metal Loaded into Channel-type Zeolite*, International Workshop on Advanced Materials Science and Nanotechnology (IWAMSN), Ha Long City, Vietnam (2016).
2. Duc M. Le, Thach S. Dinh, Giang T. T. Le, and **Thi T. Pham**, *Simulate optical properties of periodic plasmonic nanoparticles in a superlattice structure*, In proceeding of the 9<sup>th</sup> International Conference on Photonics and Applications (2016).
3. **Pham Tan Thi**, Takehito Nakano, and Yasuo Nozue, *Electronic Properties of Channel-Type Zeolite L Loaded with Rubidium Metal*, Annual Meeting of the Physical Society of Japan, Tokushima University, Japan (2013) [Oral].
4. **Pham Tan Thi**, Takehito Nakano, and Yasuo Nozue, *Optical Reflection Study of Channel-type Zeolite L Heavily-Loaded with Potassium*, Annual Meeting of the Physical Society of Japan, Hiroshima University, Japan (2013) [Oral].
5. **Pham Tan Thi**, Takehito Nakano, and Yasuo Nozue, *Optical Properties of electrons confined in main channels of zeolite L*, the 17th International Symposium on Intercalation Compound (ISIC), Tohoku University, Japan (2013) [Poster].
6. **Pham Tan Thi**, Takehito Nakano, and Yasuo Nozue, *Metallic Phase in Channel-type Zeolite L Loaded with Potassium*, Annual Meeting of the Physical Society of Japan, Yokohama National University, Japan (2012) [Oral].
7. **Pham Tan Thi**, Takehito Nakano, and Yasuo Nozue, *Optical Properties of Channel-type Zeolite L Loaded with Potassium*, International Workshop on Advanced Materials and Nanotechnology, University of Science, Vietnam National University in Ha Noi (2012) [Poster].
8. **Pham Tan Thi**, Takehito Nakano, and Yasuo Nozue, *Optical Properties of Channel-Type Zeolite L Heavily-Loaded with Potassium*, Annual Meeting of the Physical Society of Japan, Kwansai-Gakuin University, Japan (2012) [Oral].
9. **Pham Tan Thi**, Takehito Nakano, and Yasuo Nozue, *Physical Properties of Channel-type Zeolite L Loaded with Potassium*, Annual Meeting of the Physical Society of Japan, Toyama University, Japan (2011) [Oral].
10. **Pham Tan Thi**, Takehito Nakano, and Yasuo Nozue, *Physical Properties of K-Clusters in Channel-Type Zeolite L*, Annual Meeting of the Japanese Physical Society, Niigata University, Japan [Abs. No. 25pTJ-3].
11. **Pham Tan Thi**, Takehito Nakano, and Yasuo Nozue, *ESR Study of Zeolite L Loaded with Potassium Metal*, International Conference on Core Research and Engineering Science of Advanced Materials (Global COE Program), Osaka University, Japan (2010) [Poster].
12. Nguyen Tuan Anh, **Pham Tan Thi\***, Dinh Duy Hai, Wooseok Song, Dae Sung Jung, and Chong-Yun Park, *Effect of Temperature and Mo Top-Layer on the Growth of Carbon Nanotubes*, the 5th Handai Nanoscience and Nanotechnology International Symposium, Osaka University, Japan (2009) [Poster]. (\*Presenter)

13. **Pham Tan Thi**, Il Ha Lee, Gang Hee Han, Lam Binh Thanh, and Dang Mau Chien, *The Growth of Uniformly Aligned Carbon Nanotubes by Thermal Chemical Vapor Deposition*, International Workshop on Nanotechnology and Application (IWNA), Vung Tau, Vietnam (2007) [Poster].
14. **Pham Tan Thi**, Nguyen Van Hieu, Trinh Hoa Lang, and Dang Mau Chien, *Simulate the Electronic Properties of ZnO:Al*, the 21st century COE Program - Towards a new basic science: Depth and Synthesis, Osaka University, Japan (2007) [Poster].

**EXTRACURRICULAR ACTIVITY:**

- **Vice Chairman, in Charge of Academic**, Vietnamese Student Association in Osaka (VYSA OSAKA), 2013 – 2014
- **Chairman, Program Committee**, Vietnamese-Japanese Student Scientific Exchange Meeting (VJSE), Osaka, 2013.
- **Chairman, Young Physicists Club Newton-Einstein-Schrödinger (NES)**, University of Natural Science, VNUHCM, 2004 – 2006.
- **Chairman, Students Association of Faculty of Physics**, University of Natural Science, VNUHCM 2004 - 2005.