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Curriculum Vitae

Nguyen Dong Cao Tung

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AFFILIATION

Graduate student – 2st semester at Combined Master-PhD Program (March 2017 - present)
Ulsan National Institute of Science & Technology (UNIST)
UNIST-gil 50, Ulsan Metropolitan City, Republic of Korea, 44919

EDUCATION

Bachelor of Engineering
– Major: Nuclear engineering
– University of Dalat, Dalat, Lam Dong, Vietnam

WORK EXPERIENCE

- Computational Reactor Physics and Experiment Lab (UNIST, Ulsan Republic of Korea / Prof. Lee Deokjung)
- Validation of Monte Carlo Code MCS
 - LPPT Analysis for APR-1400 reactor core
 - VERA Benchmark Problem
- Design study of Lead-cooled Fast Reactor by MCS and MC²/TOWDANT/REBUS
 - ALFRED - Advanced Lead-cooled Fast Reactor European Demonstrator

RESEARCH INTERESTS

- Reactor Criticality Analysis
- Monte Carlo Simulation - Reactor design
- Lead-cooled Fast Reactor design

CERTIFICATES

- Computer Skills: MATLAB, PYTHON
- Nuclear-physics Code: MCNP, SERPENT, MC²/REBUS

PUBLICATIONS *International and Domestic Conferences*

1. **Tung Dong Cao Nguyen**, Hyunsuk Lee, Jiwon Choe, Ho Cheol Shin, Hwan Soo Lee and Deokjung Lee, "LPPT Analysis of APR1400 Reactor Core by UNIST Monte Carlo Code MCS," Reactor Physics Asia 2017 (RPHA17)

- Conference, Chengdu, China, August 24-25 (2017).
2. **Tung Dong Cao Nguyen**, Jiwon Choe and Deokjung Lee, "Assessment of Material Homogenization for Fast Reactor Design Using MCS and MC²/TWODANT/REBUS," 2017 KNS Autumn Meeting, accepted, Gyeongju, Korea, October 25-27 (2017)

PATENT