



# Curriculum Vitae

## Tran Quoc Tuan

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### AFFILIATION

Graduate student – 2<sup>st</sup> semester at Combined Master-PhD Program  
Ulsan National Institute of Science and Technology

UNIST-gil 50, Ulsan Metropolitan City. Republic of Korea, 44919

### EDUCATION

Graduate, Ulsan National Institute of Science and Technology, Korea (2017.08 ~ current)

- Major: Nuclear Engineering
- University of Dalat, Lam Dong, Viet Nam, (2012.8 – 2017.1).

### WORK EXPERIENCE

- Improvement of the Core Simulator training and education system & environment, sponsored by NRF (National Research Foundation) of Korea.

### RESEARCH INTERESTS

- Calculate reactor physics.
- Criticality Safety Analysis.

### CERTIFICATES

- Training(International)
  - Zero Power Physics Test by using CoSi for OPR1000 (KHNP, Vietnam, June,2015).
  - Nuclear Engineering Education Program (KNA, Korea, September 10, 2016).
  - SERPENT short training (VTT-Finland, Mexico, April,2018).

### PUBLICATIONS SCI Journal

- **Tuan Quoc Tran**, Sanggeol Jeong, Khang Nhat Hoang Nguyen, Hyunsuk Lee, Sooyoung Choi, Peng Zhang, Min Jae Lee, Jae-Yong Lim and Deokjung Lee\*, “*Validation of the MCNP6 code for SFR shielding design analysis*”, Journal of Radiological Protection, under-review.
- Nguyen An Son, Nguyen Duc Hoa, Tran Trung Nguyen, **Tran Quoc Tuan**, Osvaldo Camueje Raul, “*Control Rod Calibration and Worth Calculation for Optimized Power Reactor 1000 (OPR-1000) Using Core Simulator OPR1000*”, World Journal of Nuclear Science and Technology, Vol. 7, No. 1. 2017, pp. 15-23. Published Online, <http://www.scirp.org/journal/PaperInformation.aspx?PaperID=73080> (December 28, 2016).

### PUBLICATIONS Journal (Domestic)

- Nguyen An Son, Tran Trung Nguyen, **Tran Quoc Tuan**, Ly Quang Cuong, Le Thi Ha Lan, Van Le Quang, “*Determination of Boron Concentration of OPR 1000 Reactor Critical State Using Cosi OPR1000*”, VNU-HCM Science and Technology Development Journal, Vol. 19, No. T6 – 2016, pp. 240-247. Published. July 22, 2016.

## INTERNATIONAL AND DOMESTIC CONFERENCES

- **Tuan Quoc Tran** (oral speaker), Sanggeol Jeong, Khang Nhat Hoang Nguyen, Hyunsuk Lee, Sooyoung Choi, Peng Zhang, Min Jae Lee, Jae-Yong Lim and Deokjung Lee\*, “*Evaluation of the MCNP6 code for SFR shielding design analysis*”, Proc. Int Conf. PHYSOR-2018, Cancun, Mexico, April 22-26, 2018.
- **Tuan Quoc Tran**, Hyunsuk Lee, Jiwon Choe, Yongmin Jo, Sooyoung Choi, Hwan Soo Lee, Ho Cheol Shin and Deokjung Lee\*, “*Application of MCS Code to Yonggwang Unit 3 Cycle 1 BOC Analysis*”, Analysis”, KNS Spring Meeting, Jeju, Korea, May 16-18, 2018 [Poster presentation].
- **Tuan Quoc Tran**, Hyunsuk Lee, Jiwon Choe, Yongmin Jo, Sooyoung Choi, Hwan Soo Lee, Ho Cheol Shin and Deokjung Lee\*, “*Monte Carlo Whole-core Depletion Analysis of Yonggwang Unit 3 Cycles 1 and 2*”, The 6th International Conference on Nuclear and Renewable Energy Resources (NURER2018), Jeju, Korea, 30 Sep. - 03 Oct. 2018 [Abstract submitted].

## SOFTWARE COPYRIGHTS

1. Deokjung Lee, Peng Zhang, Matthieu Lemaire, Jiankai Yu, Sooyoung Choi, Hyunsuk Lee, Chidong Kong, Jiwon Choe, Hanjoo Kim, Bamidele Ebiwonjumi, Wonkyeong Kim, Jinsu Park, Yunki Jo, Kiho Kim, Jaerim Jang, Tung Dong Cao Nguyen, Khang Hoang Nhat Nguyen, Woonghee Lee, **Tuan Quoc Tran**, Yongmin Jo, Sanggeol Jeong, Eun Jeong, Khassenov Azamat, Vutheam Dos, XSLINK-Fuel Assembly XS Processing, C-2018-008346, Korea Copyrights Commission (2018)
2. Deokjung Lee, Peng Zhang, Matthieu Lemaire, Jiankai Yu, Sooyoung Choi, Hyunsuk Lee, Chidong Kong, Jiwon Choe, Hanjoo Kim, Bamidele Ebiwonjumi, Wonkyeong Kim, Jinsu Park, Yunki Jo, Kiho Kim, Jaerim Jang, Tung Dong Cao Nguyen, Khang Hoang Nhat Nguyen, Woonghee Lee, **Tuan Quoc Tran**, Yongmin Jo, Sanggeol Jeong, Eun Jeong Khassenov Azamat, Vutheam Dos, MCS-Depletion Calculation, C-2018-008347, Korea Copyrights Commission (2018)
3. Deokjung Lee, Peng Zhang, Matthieu Lemaire, Jiankai Yu, Sooyoung Choi, Hyunsuk Lee, Chidong Kong, Jiwon Choe, Hanjoo Kim, Bamidele Ebiwonjumi, Wonkyeong Kim, Jinsu Park, Yunki Jo, Kiho Kim, Jaerim Jang, Tung Dong Cao Nguyen, Khang Hoang Nhat Nguyen, Woonghee Lee, **Tuan Quoc Tran**, Yongmin Jo, Sanggeol Jeong, Eun Jeong, Khassenov Azamat, Vutheam Dos, MCS-Multigroup Transport, C-2018-008345, Korea Copyrights Commission (2018)
4. Deokjung Lee, Peng Zhang, Matthieu Lemaire, Jiankai Yu, Sooyoung Choi, Hyunsuk Lee, Chidong Kong, Jiwon Choe, Hanjoo Kim, Bamidele Ebiwonjumi, Wonkyeong Kim, Jinsu Park, Yunki Jo, Kiho Kim, Jaerim Jang, Tung Dong Cao Nguyen, Khang Hoang Nhat Nguyen, Woonghee Lee, **Tuan Quoc Tran**, Yongmin Jo, Sanggeol Jeong, Eun Jeong, Khassenov Azamat, Vutheam Dos, MCS-Photon Transport, C-2018-008350, Korea Copyrights Commission (2018)
5. Deokjung Lee, Peng Zhang, Matthieu Lemaire, Jiankai Yu, Sooyoung Choi, Hyunsuk Lee, Chidong Kong, Jiwon Choe, Hanjoo Kim, Bamidele Ebiwonjumi, Wonkyeong Kim, Jinsu Park, Yunki Jo, Kiho Kim, Jaerim Jang, Tung Dong Cao Nguyen, Khang Hoang Nhat Nguyen, Woonghee Lee, **Tuan Quoc Tran**, Yongmin Jo, Sanggeol Jeong, Eun Jeong, Khassenov Azamat, Vutheam Dos, MCS-VHTR calculation, C-2018-008344, Korea Copyrights Commission (2018)
6. Deokjung Lee, Peng Zhang, Matthieu Lemaire, Jiankai Yu, Sooyoung Choi, Hyunsuk Lee, Chidong Kong, Jiwon Choe, Hanjoo Kim, Bamidele Ebiwonjumi, Wonkyeong Kim, Jinsu Park, Yunki Jo, Kiho Kim, Jaerim Jang, Tung Dong Cao Nguyen, Khang Hoang Nhat Nguyen, Woonghee Lee, **Tuan Quoc Tran**, Yongmin Jo, Sanggeol Jeong, Eun Jeong, Khassenov Azamat, Vutheam Dos, MCS-PWR calculation, C-2018-008348, Korea Copyrights Commission (2018)
7. Deokjung Lee, Peng Zhang, Matthieu Lemaire, Jiankai Yu, Sooyoung Choi, Hyunsuk Lee, Chidong Kong, Jiwon Choe, Hanjoo Kim, Bamidele Ebiwonjumi, Wonkyeong Kim, Jinsu Park, Yunki Jo, Kiho Kim, Jaerim Jang, Tung Dong Cao Nguyen, Khang Hoang Nhat Nguyen, Woonghee Lee, **Tuan Quoc Tran**, Yongmin Jo, Sanggeol Jeong, Eun Jeong, Khassenov Azamat, Vutheam Dos, MCS-Time-dependent Simulation, C-2018-008349, Korea Copyrights Commission (2018)
8. Deokjung Lee, Peng Zhang, Matthieu Lemaire, Jiankai Yu, Sooyoung Choi, Hyunsuk Lee, Chidong Kong, Jiwon Choe, Hanjoo Kim, Bamidele Ebiwonjumi, Wonkyeong Kim, Jinsu Park, Yunki Jo, Kiho Kim, Jaerim Jang, Tung Dong Cao Nguyen,

May. 31,2018

Khang Hoang Nhat Nguyen, Woonghee Lee, **Tuan Quoc Tran**, Yongmin Jo,  
Sanggeol Jeong, Eun Jeong, Khassenov Azamat, Vutheam Dos, U-SNF, C-2018-  
008343, Korea Copyrights Commission (2018)