



Curriculum Vitae

Jaerim Jang

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AFFILIATION

Combined Master-Ph.D Program (March 2017 - present)
Ulsan National Institute of Science & Technology (UNIST)
UNIST-gil 50, Ulsan Metropolitan City, Republic of Korea, 689-798

EDUCATION

Bachelor of Engineering

- Major: Nuclear engineering
- Minor: Physics
- UNIST, Ulsan, Korea, 2013.3~present

WORK EXPERIENCE

- Computational Reactor Physics and Experiment Lab(UNIST, Ulsan Republic of Korea / Prof. Lee Deokjung)
Validation of Continuous Energy Monte Carlo Neutron Transport Code for Criticality Safety Analysis (June 2015~May 2016)
- ICSBEP benchmark analysis with MCNP, MCS, Serpent
- USLSTAT analysis with NURECG-6361

RESEARCH INTERESTS

- Criticality Safety Analysis
- SMR Core Design

CERTIFICATES

- Awards & Scholarships
 - Nuclear Technology Undergraduate Student Society Scholarship, National Research Foundation of Korea (June 2015 ~ May 2016)
- Training (Domestic)
 - Criticality analysis of spent fuel pool , Central Research Institute (CRI, June, 2015)
 - Reactor core design training(KAERI, July, 2015)
 - MCNP user training course(Hanyang university, August, 2015)
 - Reactor core design training(KAERI, July, 2017)

May 31, 2018

- Computer Skills: MATLAB, FORTRAN, C++, PYTHON, JAVA

PUBLICATIONS SCI Journal

- Jaerim Jang, Wonkyeong Kim, Sanggeol Jeong, Eun Jeong, Jinsu Park, Matthieu Lemaire, Hyunsuk Lee, Yongmin Jo, Peng Zhang, Deokjung Lee*, "Validation of UNIST Monte Carlo Code MCS for Criticality Safety Analysis of PWR Spent Fuel Pool and Storage Cask," Annals of Nuclear Energy, 114: 495-509. <https://doi.org/10.1016/j.anucene.2017.12.054> (2018)

International Topical Meeting

- 7th SERPENT User group meeting, November, 2017, Gainesville, FL

International and Domestic conferences

- Jaerim Jang, Jinsu Park, Wonkyeong Kim, Sanggeol Jeong, Deokjung Lee*, Kyoong-Ho Cha, "Validation of UNIST Monte Carlo Code MCS for Criticality Safety", Transactions of the Korean Nuclear Society Spring Meeting, Jeju, Korea, May 11-13, 2016.
- Jaerim Jang, Jiwon Choe, Sooyoung Choi, Hyunsuk Lee, Bamidele Ebiwonjumi, Ho Cheol Shin, Deokjung Lee*, "Boron-free SMPWR Analysis with MCS and STREAM codes" , RPHA17, Chengdu, Sichuan, China, August 24-25 (2017) [Oral presentation]

PATENT