Curriculum Vitae

Eun Jeong

T. +82-52-217-3006 / F. +82-52-217-3008 / eunjeong@unist.ac.kr
Ulsan National Institute of Science and Technology
UNIST Gil-50(44919), Ulsan, Republic of KOREA

AFFILIATION

3rd semester at Master Program

Ulsan National Institute of Science & Technology (UNIST)

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

EDUCATION

Bachelor of Engineering
- Major: Nuclear Engineering
- Kyung Hee University(KHU), Suwon, Korea, 2012.03~2016.02

WORK EXPERIENCE

- Mosteller Benchmark
- Doppler-defect benchmark by Monte Carlo Code

- Design of opr1000 reactor core for long cycle operation
- Core design for mixed cycle operation
- Core design for parallel operation
- Fuel cycle economic evaluation

- MCS Monte Carlo code criticality validation
- MCS Monte Carlo code criticality validation by spent fuel pool criticality experiment benchmark

- DeCART/CAPP code system validation using VHTR PMR-200 benchmark problem

- Kinetics parameter calculation of STREAM MOC code
- Kinetics parameter calculation for Nodal diffusion code

RESEARCH INTERESTS

- Design of Nuclear reactor
- Kinetics parameter calculation of MOC code

INTERNSHIP

1. KAIST NQe researching Internship program: Studying about eutectic melting of FeCrAl/Zr Duplex cladding for Accident Tolerant Fuels (ATFs) at the Nuclear material laboratory

CERTIFICATES

- Awards & Scholarship
- Scholarship for natural sciences and engineering excellent student in nation (May,2015)
- Prize for 2014 nuclear engineering creative integrated design contest exhibit hosted by the department of engineering in Kyung Hee University (November, 2014)
- Prize for rank forth: Radioactive Waste Competitive Exhibition hosted by KORAD (December, 2013)
- Training (Domestic)
- Reactor core design: theory and practice, KAERI (Daejeon, June, 2017)
- High Accuracy & Multi-Physics Nuclear Power Plant Design (Daejeon, August, 2016)
- McCARD user training course (Daejeon, August, 2016)
- Reactor core design: theory and practice, KAERI (Daejeon, August, 2016)
- Training for nuclear plant system using PC based simulator, KAERI (Daejeon, August, 2015)
- Thermal hydraulics experiment program with KHU, SNU, HYU (August,2014)

PUBLICATIONS SCI Journal

1. **Eun Jeong**, Jinsu Park, Hyun Chul Lee, Peng Zhang, Deokjung Lee*, "Analysis of Very High Temperature Gas-Cooled Reactor PMR-200 with DeCART/CAPP Code System", J. Nucl. Sci. Technol., Under review (2017)
2. Jaerim Jang, Wonkyeong Kim, Sanggeol Jeong, **Eun Jung**, Jinsu Park, Matthieu Lemaire, Hyunsuk Lee, Deokjung Lee*, "Validation of UNIST Monte Carlo Code MCS for Criticality Safety Analysis of PWR Spent Fuel Pool and Storage Cask", J. Nucl. Sci. Technol., Under review (2017)
3. **Eun Jeong,** Jiwon Choe, Peng Zhang, Ho Cheol Shin, Deokjung Lee*, "New High Performance Light Water Reactor Core Concept with Mixed Cycle Length Operation", Int. J. Energ. Res., Published Online. http://dx.doi.org/10.1002/er.3738 (2017)

International Topical Meeting

1. **Eun Jeong**, Jinsu Park, Hyun Chul Lee, and Deokjung Lee*, "Verification of DeCART/CAPP Code System for VHTR Core with PMR-200 Benchmark" ICAPP2017, Kyoto, Japan, April 24-28 (2017)

International and Domestic Conferences

1. **Eun Jeong**, Jinsu Park, Hyun Chul Lee, and Deokjung Lee*,"Verification of DeCART/CAPP Code System for VHTR Core with PMR-200 Benchmark," ICAPP2017, Kyoto, Japan, April 24-28 (2017) [Oral Presentation]
2. **Eun Jeong**, Ho Cheol Shin, Jiwon Choe, Deokjung Lee, "Impact of Erbia in Long Cycle Operation of PWR," *2016 KNS Fall Meeting*, Gyeongju, Korea, October 26-28, (2016)

3. Ho Cheol Shin, **Eun Jeong**, Jiwon Choe, Deokjung Lee, "Impact of UO2 Enrichment of Fuel Zoning Rods in Long Cycle Operation of PWR," *2016 KNS Fall Meeting*, Gyeongju, Korea, October 26-28, (2016)

PATENT