

CURRICULUM VITAE

VUTHEAM DOS

November, 08th 1991

Basic Information



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Tel: (+82) 10-7305-5470

Position: 2nd semester in master's degree at School of Mechanical and Nuclear Engineering

Office: 50, UNIST-gil, Ulsan 44919, Republic of Korea,

Ulsan National Institute of Science and Technology (UNIST)

Career Objectives

I finished my bachelor's degree in Nuclear Engineering from Seoul National University (SNU), South Korea. I have been always seeking for higher education within the energy department where my merit, sincerity will contribute the best to gain its desirable goals and to build up my experiences.

Education

Master's Degree

- Major: Nuclear Engineering
- UNIST, Ulsan, Korea, 2017.09 – present
- Computational Reactor Physics and Experiment Laboratory (CORE)
- Advisor: Prof. Deokjung Lee, Ph. D. (UNIST)

Bachelor's Degree

- Major: Nuclear Engineering
- Seoul National University, Seoul, South Korea, 2013.3 –2017.02
- Thesis: Optimization of Core Reloading Pattern of MTR Type Research Reactor Using Genetic Algorithms
- Advisor: Prof. Kune Yull Suh, Ph. D. (SNU)

Bachelor's Degree

- Major: Civil Engineering
- Minor: Nuclear Engineering
- Institute: University of Battambang, Battambang, Cambodia, 2009.10~2011~09

Working Experiences

Internships

- Computational Reactor Physics and Experiment Laboratory (CORE), UNIST, Ulsan, South Korea, 2017.03~2017.09
- Future & Challenge Tech Co., Ltd, Seoul, South Korea, 2016.01~2016~02

Experience

- KUCA research reactor experiment (Osaka, Japan, 2017)

Featured Skills

- Nuclear Physics Codes: MCS (UNIST), MCNP (LANL)
- Programming Languages: Matlab

Language Skills

- Khmer : Native
- English: TOEIC Listening/Reading Test (800/990, 2017)
- Korean: TOPIK Level 4 (2012)

Research Interests

- Validation and verification of using Monte Carlo method
- Nuclear reactor analysis using Monte Carlo method
- Reactor Core Simulation: Research Reactor

Certificates**Awards & Scholarship**

- Full Korean Government Scholarship Program (KGSP) to study at SNU (2012.03 –2017.02)
- Full Cambodian Government Scholarship Program to study at UBB, (2019.09~2011.09)

Membership

- Korean Nuclear Society Student Member, 2017.11 ~ present

Publications SCI Journal

1. Chidong Kong, Jiwon Choe, Seongpil Yum, Jaerim Jang, Woonghee Lee, Hanjoo Kim, Wonkyeong Kim, Nguyen Hoang Nhat Khang, Nguyen Dong Cao Tung, **Vutheam Dos**, Deokjung Lee*, Ho Cheol Shin, Masao Yamanaka, and Cheol Ho Pyeon, “Application of Advanced Rossi-alpha Technique to Reactivity Measurements at Kyoto University Critical Assembly,” Ann. Nucl. Energy, Vol. 118, pp. 92-98 (2018).

International and Topical Meetings

1. **Vutheam Dos**, Hyunsuk Lee, Yunki Jo, Matthieu Lemaire, Chang Je Park, Deokjung Lee*, “Verification of MCS Monte Carlo Code for the JRTR Research Reactor,” PHYSOR2018, Cancun, Mexico, April 22-26 (2018) [Oral Presentation]
2. **Vutheam Dos**, Hyunsuk Lee, Yunki Jo, Deokjung Lee*, Change Je Park, “Verification of MCS Model of the Jordan Research and Training Reactor for Neutronic Calculations”, RPHA17, Chengdu, Sichuan, China, August 24-25 (2017) [Oral presentation]

International and Domestic Conferences

1. **Vutheam Dos**, Hyunsuk Lee, Jiwon Choe, Ho Cheol Shin, Hwan Soo Lee, Deokjung Lee*, “Validation of Monte Carlo MCS Code for OPR -1000 Multi-cycle Operation,” NURER 2018, Jeju, Korea, Sep. 30 - Oct. 3 (2018) [abstract submitted for review]
2. **Vutheam Dos**, Hyunsuk Lee, Jiwon Choe, Ho Cheol Shin, Hwan Soo Lee, Deokjung Lee*, “Validation of UNIST MCS Monte Carlo Code System for OPR-1000”, Transaction of KNS Spring Meeting , Jeju, Korea, May 16-18 (2018) [Poster presentation]

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, 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)