



Curriculum Vitae

Bamidele Ebiwonjumi

T. +82-52-217-2972 / F. +82-52-217-3008 / ebiwonjumi@unist.ac.kr

AFFILIATION

5th semester – Combined Master's and PhD Program
Ulsan National Institute of Science & Technology (UNIST)
50 UNIST-gil, Ulsan Metropolitan City, Republic of Korea, 44919

EDUCATION

Bachelor of Technology

- Major: Physics
- Federal University of Technology, Akure, Nigeria, 2003.10~2008.10

WORK EXPERIENCE

- Methodology development
 - Spent Nuclear Fuel Radiation Source Terms
- Burnup and Depletion Analysis
 - Analysis of Post Irradiation Examination (PIE) data
- Code Validation and Uncertainty Assessment

RESEARCH INTERESTS

- Spent Fuel Characterization and Radiation Source Terms
- Analysis of Post Irradiation Examination (PIE) data

CERTIFICATES

- **Training (International)**
 - POSTECH Reactor Physics Experiment, KUCA, Japan (December, 2016)
- **Training (Domestic)**
 - FALCON Code Training (EPRI & KHNP), Pohang (March, 2016).
- **Membership**
 - Korean Nuclear Society Student Member (May, 2016)

SCI Journal

1. **Bamidele Ebiwonjumi**, Sooyoung Choi, Matthieu Lemaire, Deokjung Lee*, Ho Cheol Shin, "Validation of Lattice Physics Code STREAM for Predicting Pressurized Water Reactor Spent Nuclear Fuel Isotopic Inventory," Annals of Nuclear Energy, Accepted for publication (2018)
2. **Bamidele Ebiwonjumi**, Sooyoung Choi, Matthieu Lemaire, Deokjung Lee*, "Verification and Validation of Radiation Source Term Capabilities in STREAM," Annals of Nuclear Energy, Under review (2018)
3. Matthieu Lemaire, Hyunsuk Lee, **Bamidele Ebiwonjumi**, Chidong Kong, Wonkyeong Kim, Yunki Jo, Jinsu Park, Deokjung Lee*, "Verification of Photon Transport Capability of UNIST Monte Carlo Code MCS", Comput. Phys. Commun., Accepted for publication (2018)

4. Tung Dong Cao Nguyen, Jiwon Choe, **Bamidele Ebiwonjumi**, Matthieu Lemaire and Deokjung Lee, "Conceptual Design of Long-cycle Small Modular Lead-cooled Fast Reactor," Int. J. Energ. Res., Under review (2018)

International and Topical Meetings

1. **Bamidele Ebiwonjumi**, Sooyoung Choi, Deokjung Lee, Ho Cheol Shin, "Verification and Validation of STREAM Source Term Calculation Capability," M&C2017, Jeju, Korea, April 16-20 (2017)
2. **Bamidele Ebiwonjumi**, Tung Dong Cao Nguyen, Jiwon Choe, Deokjung Lee, "MCS Analysis of IAEA Lead-cooled Fast Reactor Neutronics Benchmark," PHYSOR 2018, Cancun, Mexico, April 22-26 (2018)
3. Matthieu Lemaire, Hyunsuk Lee, **Bamidele Ebiwonjumi**, Chidong Kong, Wonkyeong Kim, Yunki Jo, Jinsu Park, Deokjung Lee, "Development of Photon Transport Capability in UNIST Monte Carlo Code MCS," PHYSOR 2018, Cancun, Mexico, April 22-26 (2018)
4. Tung Dong Cao Nguyen, Jiwon Choe, **Bamidele Ebiwonjumi**, Deokjung Lee, "The Conceptual Design of a Small Modular Fast Reactor Cooled by Lead-Bismuth Eutectic," PHYSOR 2018, Cancun, Mexico, April 22-26 (2018)
5. **Bamidele Ebiwonjumi**, Hyunsuk Lee, Wonkyeong Kim, Matthieu Lemaire, Deokjung Lee*, "Verification and Validation of Nuclide Depletion Methods and Capabilities in Monte Carlo Code MCS", NURER 2018, Jeju, Korea, Sep. 30 - Oct. 3 (2018) [abstract submitted for review]
6. **Bamidele Ebiwonjumi**, Hyunsuk Lee, Jiwon Choe, Deokjung Lee*, "Monte Carlo Code MCS Multi-cycle Depletion Analysis of Yonggwang Unit 1", NURER 2018, Jeju, Korea, Sep. 30 - Oct. 3 (2018) [abstract submitted for review]

International and Domestic Conferences

7. **Bamidele Ebiwonjumi**, Sooyoung Choi, Matthieu Lemaire, Deokjung Lee, Ho Cheol Shin, "Experimental Validation of STREAM for Spent Nuclear Fuel Applications," RPHA17, Chengdu, China, August 24-25 (2017)
8. Matthieu Lemaire, Hyunsuk Lee, **Bamidele Ebiwonjumi**, Chidong Kong, Wonkyeong Kim, Yunki Jo, Jinsu Park, Deokjung Lee, "Recent Work on Photon Transport with UNIST Monte Carlo Code MCS," RPHA17, Chengdu, China, August 24-25 (2017)

May 2018

9. Chidong Kong, Hyunsuk Lee, Matthieu Lemaire, Wonkyeong Kim, Yunki Jo, Jinsu Park, Jiwon Choe, **Bamidele Ebiwonjumi**, Deokjung Lee, "Introduction to UNIST Spent Nuclear Fuel Transportation Package Analysis Code System," RPHA17, Chengdu, China, August 24-25 (2017)

PATENT