

**[FrB1] Neutron Irradiation Test, Neutron Activation Analysis and Other Nuclear Analytical Techniques III**

**Date & Time** April 12 (Fri.), 2019 / 09:30-11:10

**Place** Room B (# 205)

**Session Chair** Man Soon Cho (KAERI)

**FrB1-1**

**09:30-09:50**

**Present and Future Plan of Material Irradiation at HANARO**

Kee-Nam Choo  
*KAERI, Korea*

**FrB1-2**

**09:50-10:10**

**Design of Instrumentation Capsule for Irradiation Testing of Self-Powered Neutron Detectors**

Seongwoo Yang<sup>1\*</sup>, Seungjae Park<sup>1</sup>, Keenam Choo<sup>1</sup>, and Yusun Choi<sup>2</sup>  
<sup>1</sup>*KAERI, Korea*, <sup>2</sup>*KHNP CRI, Korea*

**FrB1-3**

**10:10-10:30**

**Irradiation Tests of U-Mo Dispersion Fuel Qualification for KJRR**

Y.W. Tahk\*, H.J. Kim, E.H. Kong, Y.J. Jeong, S.H. Kim, K. Lee, S.W. Yang, C.G. Seo, H.M. Kim, J.Y. Oh, B.H. Lee, J.S. Yim, and J.M. Park  
*KAERI, Korea*

**FrB1-4**

**10:30-10:50**

**Evaluation of Neutron Irradiation Properties of Steels for Nuclear and Fusion Reactor Applications**

Young-Bum Chun\*, Min-Chul Kim, and Bong-Sang Lee  
*KAERI, Korea*

**FrB1-5**

**10:50-11:10**

**Additive Manufacture of Nuclear Fuel Supports and Neutron Irradiation Test**

Suk Hoon Kang<sup>1\*</sup>, Chang-Kyu Rhee<sup>1</sup>, Won Hee Lee<sup>2</sup>, Nam-Gyu Park<sup>3</sup>, and Hee-Sung Ann<sup>4</sup>  
<sup>1</sup>*KAERI, Korea*, <sup>2</sup>*Samshin Limited, Korea*, <sup>3</sup>*KEPCO Nuclear Fuel Company, Korea*, <sup>4</sup>*BEES, Korea*