

[ThD3] Neutron Scattering and Imaging III	
Date & Time	April 11 (Thu.), 2019 / 15:30-17:50
Place	Room D (# 210+211)
Session Chair	Sungdae Ji (KAERI)

ThD3-1 [Invited]**15:30-16:00****Discovery of Novel Materials Under Extreme Pressure: Computational Predictions and Experimental Probes Using X-ray and Neutron Scattering**

Duckyoung Kim
 HPSTAR, China

ThD3-2 [Invited]**16:00-16:30****Tuning Multiferroicity in the $S = 1/2$ Kagome Staircase Compound $\text{PbCu}_3\text{TeO}_7$ via Site Preferred Zn Substitution**

Kee Hoon Kim*, Aga Shahee, and Changbae Park
 Seoul National University, Korea

ThD3-3**16:30-16:50****Water Transportation Inside Subduction Zone Pressures and Temperatures**

Donghoon Seoung
 Chonnam National University, Korea

ThD3-4**16:50-17:10****Interplay of Magnetism and Dielectric Behavior in Doped Super-Tetragonal BiFeO_3**

Chan-Ho Yang
 KAIST, Korea

ThD3-5**17:10-17:30****Reversible and Irreversible Magnetocaloric Effect**

Daeho Kim¹, Thomas Gruner², Manuel Brando³, Anatoliy Duhknenko⁴, Natalya Shitsevalova⁴, Volodymyr Filipov⁴, and Dongjin Jang^{1*}
¹KRISS, Korea, ²Cavendish Laboratory, UK, ³Max Planck Institute for Chemical Physics of Solids, Germany, ⁴I. M. Frantsevich Institute for Problems of Materials Science of NAS, Ukraine

ThD3-6**17:30-17:50****First Principles Approaches to Magnetic Interactions in Quantum Materials**

Bongjae Kim
 Kunsan National University, Korea