

Session Code [12] TuD3

Session Title	Magnetic Sensing Materials & Energy Materials
Date and Time	Tuesday, October 5, 2021 / 15:40-17:35
Session Room	Room D (302)
Session Chair(s)	Dung Van Dao (Korea Univ., Korea)

[[12] TuD3-1] Invited Talk**15:40-16:05****Versatile Magnetoresistive Sensors for Monitoring Physicomechanical Vital Signals**Cheol Gi Kim, Byeonghwa Lim, Jaeyeon Choi, Mijin Kim, Taehyeong Jeon (*DGIST, Korea*), and Sunjong Oh (*KIMM, Korea*)**[[12] TuD3-2]****[Online] 16:05-16:20****Design of Sensitive Probe to Improve the Defect Resolution for Buried Pipeline Investigation Using Remote Field Eddy Current Technique**Young Won Choi, Kishore M.B, Jin-Hyun Park, Hak-Joon Kim, and Sung-Jin Song (*Sungkyunkwan Univ., Korea*)**[[12] TuD3-3] Invited Talk****16:20-16:45****The Wide-Bandgap Perovskite for Tandem Solar Cells**Donghoe Kim (*Sejong Univ., Korea*)**[[12] TuD3-4] Invited Talk****16:45-17:10****Photonic Nano-/Micro-Structures for Optoelectronics Applications**Han-Don Um (*Kangwon Nat'l Univ., Korea*), Deokjae Choi, and Kwanyong Seo (*UNIST, Korea*)**[[12] TuD3-5] Invited Talk****17:10-17:35****A Low-Cost and High-Performance Cathode for Rechargeable Batteries Using First-Principles Calculation and Advanced Structural Analyses**Jongsoo Kim (*Sungkyunkwan Univ., Korea*)