

**Session Code** [11] TuK2

<b>Session Title</b>	Neuromorphic and Probabilistic Computing 2
<b>Date and Time</b>	Tuesday, October 5, 2021 / 14:00-15:10
<b>Session Room</b>	Room K (402)
<b>Session Chair(s)</b>	Gunuk Wang (Korea Univ., Korea)

**[[11] TuK2-1] Invited Talk****14:00-14:25****Probabilistic Computing based on Random MTJs for Invertible Logics**Ouk Jae Lee and Seokmin Hong (*KIST, Korea*)**[[11] TuK2-2]****14:25-14:40****Deep Learning Enhanced Individual Nuclear Spin Detection in Diamond**Kyunghoon Jung (*Seoul Nat'l Univ., Korea*), Mohamed Abobeih (*QuTech, Netherlands*), Jiwon Yun, Gyeonghun Kim, Hyunseok Oh (*Seoul Nat'l Univ., Korea*), Henry Ang (*Univ. College London, UK*), Taminiau Tim (*QuTech, Netherlands*), and Dohun Kim (*Seoul Nat'l Univ., Korea*)**[[11] TuK2-3]****14:40-14:55****Biologically Plausible Artificial Synaptic Array: Replicating Ebbinghaus' Memory Curve with Selective Attention**Dong Gue Roe (*Yonsei Univ., Korea*), Seongchan Kim (*Sungkyunkwan Univ., Korea*), Yoon Young Choi (*Yonsei Univ., Korea*), Hwije Woo (*Sungkyunkwan Univ., Korea*), Moon Sung Kang (*Sogang Univ., Korea*), Young Jae Song (*Sungkyunkwan Univ., Korea*), Jong-Hyun Ahn (*Yonsei Univ., Korea*), Yoonmyung Lee (*Sungkyunkwan Univ., Korea*), and Jeong Ho Cho (*Yonsei Univ., Korea*)**[[11] TuK2-4]****14:55-15:10****Artificial Electronic Synapse using Molybdenum Disulfide MoS<sub>2</sub> Based Memristor Device**Muhammad Naqi, Chang-Gyun Moon, and Sunkook Kim (*Sungkyunkwan Univ., Korea*)