CURRICULUM VITAE (Brief)

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EDUCATION & CAREER

- ***Professor, Department of Materials Science & Chemical Engineering, Hanyang University, Ansan, Republic of Korea*** (2011~)
- ***Editorial Committee Chair, Thin Film Technology Division, The Korean Conference on Semiconductors, Republic of Korea*** (2017~2020)
- ***Editorial Committee Member, Materials Research Society of Korea, Korea*** (January 2011~)
- ***Research Scientist, Department of Materials Science and Engineering, University of Texas at Dallas, TX, USA*** (2011)
- ***Combined M.S./Ph.D., Department of Materials Science and Engineering, Seoul National University, Seoul, Republic of Korea*** (2008)
- ***B.S., Department of Materials Science and Engineering, Seoul National University, Korea*** (2002)

RESEARCH AREAS

- ***Advanced ALD***

  Discrete feeding method

  Electric field(potential) assisted ALD

  Bimetal alloy ALD

  Hollow cathode plasma enhanced ALD
- ***Post-CMOS technology***

  2-DEG devices

  2-dimensional TMDC devices

  Artificial neuron/synapse devices
- ***Energy devices & systems***

  All-solid-state batteries

  On-chip micro batteries

  Core-shell structured materials using ALD