

**Room C #103** 10:45-12:45**[Fr-C2]** Atomic Layer Deposition for Emerging Applications II**Session Chairs:**

Jusang Park (Yonsei Univ., Korea),

Zhihao Bao (Tongji Univ., China)

Fr-C2-1 [Invited] 10:45-11:15

Atomic Layer Deposition for Solar Fuels

Jihun Oh

*KAIST, Korea***Fr-C2-2 [Invited]** 11:15-11:45

Two-Dimensional Electron Gas at Oxide Heterostructures using Atomic Layer Deposition

Sang Woon Lee

*Ajou Univ., Korea***Fr-C2-3 [Invited]** 11:45-12:15

Atomic Layer Deposition; A Few Prospective Applications Aiming Mass-Production after Si-based Semiconductor Process Era

Tae Joo Park

*Hanyang Univ., Korea***Fr-C2-4** 12:15-12:30

Atomic Layer Deposited Transition Metal Sulfide and Nitride for Energy Storage Application

Dip K. Nandi¹, Tae Hyun Kim¹, M. Zahid Ansari¹, Seungmin Yeo², Hyungjun Kim², and Soo-Hyun Kim²¹Yeungnam Univ., Korea, ²Yonsei Univ., Korea**Fr-C2-5** 12:30-12:45

Low-Temperature ALD Cobalt Sulfide for Efficient Hydrogen Evolution Reaction Catalyst based on Textiles

Donghyun Kim, Jusang Park, and Hyungjun Kim

*Yonsei Univ., Korea***Fr-C2-6** 12:45-13:00In-Situ Synthesis of Vertically Stacked Heterostructure WSe₂/WS₂ for Photovoltaic Self-Powered Gas Sensor

Sangyoon Lee, KyungYong Ko, Jusang Park, and Hyungjun Kim

*Yonsei Univ., Korea***Room D #104** 10:45-12:45**[Fr-D2]** Bioinspired Materials for Artificial Photosynthesis IV**Session Chairs:**

Gang Liu (CAS, China),

Idan Hod (Ben-Gurion Univ., Israel)

Fr-D2-1 [Invited] 10:45-11:15

Morphology and Interface Control of Catalysts for Efficient Chemical Conversion

Min Hyung Lee

*Kyung Hee Univ., Korea***Fr-D2-2 [Invited]** 11:15-11:45

Low Dimensional Catalysts for Sustainable Energy Production by Electrochemical Method

Sim Uk

*Chonnam Nat'l Univ., Korea***Fr-D2-3** 11:45-12:00Ordered Cu-Mesostructure for Selective C₂ Product Formation from Electrochemical CO₂ ReductionHakhyeon Song¹, Youngkook Kwon², and Jihun Oh¹¹KAIST, Korea, ²KRICT, Korea