

PROGRAM

for

The 19th Symposium on Clean Technology /2020 KICHe D-G Chapter Summer Symposium

Date/Time: August 25, 2020 13:00 ~ 18:00

Place: Chem. Eng. Bldg. Rm. 216, Yeungnam University

Moderator: Prof. Taeho Yoon (Vice Director, Institute of Clean Technology)

13:00 **Registration**

Opening Ceremony

13:15 **Opening Address**

Prof. Jae-Jin Shim (Director, Institute of Clean Technology)

13:20 **Welcome Address**

Prof. Woo Kyoung Kim (Chairman, School of Chemical Engineering)

13:25 **Commemorative Photography**

Research Presentations

Session 1: Application of Electrochemistry and Perovskite Solar Cells

Chair: Prof. Youngsoo Kim (Institute of Clean Technology/ Dept. of Chemistry)

13:30 *(Keynote Speech)* Translational Research in Electrochemistry: From Fundamental to Product

Prof. Woonup Shin (Dept. of Chemistry, Biomedical Eng., Sogang Univ.)

14:10 *(Invited Speech)* The Importance of Thermal Stability in Perovskites- and Polymers-based Solar Cells

Prof. Taiho Park (Dept. of Chemical Eng./Dept. of Chemistry, POSTECH)

14:50 *(Invited Speech)* Recent Study of Highly Stable Perovskite Solar Cells

Prof. Chang Kook Hong (School of Adv. Chem. Eng., Chonnam Nat'l Univ.)

15:30 **Coffee Break**

Session 2: Nanomaterials for Energy Storage and Catalysis

Chair: Prof. Gibaek Lee (Institute of Clean Technology, School of Chem. Eng.)

15:45 *(Invited Speech)* Investigation on Frequency Response and Exploration of Redox Active Electrolytes for High Performance Supercapacitors

Prof. Woong Kim (Dept. of Material Science and Eng., Korea University)

16:25 *(Invited Speech)* Anomalous Absorption of Electromagnetic Waves by 2D Transition Metal Carbides and Carbonitride (MXenes)

Dr. Chong Min Koo (Materials Architecturing Research Center, KIST)

17:05 *(Invited Speech)* A Fundamental Understanding of MgO-based CO₂ Sorbents

Assoc. Prof. Jeong Gil Seo (Dept. of Chemical Eng., Hanyang University)

17:45 **Closing Remarks and Lucky Draw**

17:55 **Lab Tour (Optional)**

18:05 **Symposium Dinner**

※ *The program is subject to change.*