

제19회 청정기술국제심포지엄 안내

영남대학교 부설 청정기술연구소와 청정에너지중점연구소사업단에서는 에너지 소재·공정 관련하여 명성이 있는 국내외 전문가를 모시고 아래와 같이 청정기술국제심포지엄을 개최하고자 합니다. 부디 참석하셔서 유익한 토론 및 정보교류의 장으로 만들어 주시면 감사하겠습니다.

일시 : 2019년 11월 15일 (금) 10:10 ~ 18:00

장소 : 영남대학교 화공관 214호

주최 : 청정에너지중점연구소사업단 (한국연구재단 지정)

청정기술연구소

BK21플러스IT·에너지소재공정 창의화공인재 양성사업단

* 진행은 모두 영어로 이루어지며, 보다 자세한 행사일정은 아래 프로그램을 참고하시기 바랍니다.

영남대학교 청정에너지중점연구소사업단 단장 심재진 드림

19th International Symposium on Clean Technology Program

Hosted by Clean Energy Priority Research Center at YU(supported by MOE)
The Institute of Clean Technology at YU
BK21 PLUS IT and Energy Materials and Processes Program
Nano Energy Materials and Processes Laboratory

V e n u e : ChE 214, Yeungnam University

Date/Time : November 15, 2019 (Friday)

9:50-10:10 **Registration**

Opening Ceremony

Moderator: Prof. Woo Kyoung Kim / Vice Director, Institute of Clean Technology
& Chair, School of Chemical Engineering

10:10-10:25 **Opening Address**

Prof. Jae-Jin Shim / Director, Institute of Clean Technology
& Director, Clean Energy Priority Research Center

Congratulatory Address

Prof. Si Ok Ryu / Dean, College of Engineering

Research Presentations

Session 1: Energy Storage Materials for Batteries and Supercapacitors

Chair TBA

- 10:30-11:10 **Gel and solid electrolytes for lithium ion batteries and electrochemical capacitors**
Prof. Hsisheng Teng (National Cheng Kung University, Taiwan)
- 11:10-11:50 **Cathode materials for Li-ion batteries**
Prof. Kyu Tae Lee (Seoul National University, Korea)
- 11:50-12:30 **Synthesis of nanocomposites with a high porosity and capacity based on graphene and metal sulfides for supercapacitor electrodes**
Prof. Van Hoa Nguyen (Nha Trang University, Vietnam)

12:30-13:40 **Lunch Break**

Session 2: Synthesis of Biomaterials and Functional Materials

Chair TBA

- 13:40-14:20 **TBA**
Prof. Ibrahim Saker Saad Al-Mssallem (King Faisal University, Saudi Arabia)
- 14:20-15:00 **Green Synthetic Approach and Technology for the Functional Materials**
Prof. Debabrata Maiti (IIT Bombay, India)
- 15:00-15:40 **Theoretical study of synthesis of carbon allotropes via First Principles calculation**
Prof. Kwak Sang Kyu (UNIST, Korea)

Session 3: Poster Session with Coffee Break (ChE 2F & 3F Hall)

15:40-16:30

Session 4: Plasmonic Photocatalysts and Hydrogen Production Catalysts

Chair TBA

- 16:30-17:00 **Turning Photons into Chemical Reactions: Plasmonic Au photocatalysts**
Prof. Youngsoo Kim (Yeungnam University, Korea)
- 17:00-17:30 **Methane pyrolysis for hydrogen and separable carbon production in catalytic molten metals and salts**
Prof. Do Hyung Kang (Yeungnam University, Korea)
- 17:30-17:45 **Poster Awards**
Closing Remarks
Prof. Jae-Jin Shim / Director, Institute of Clean Technology
- 17:45-18:00 **Lab Tour**