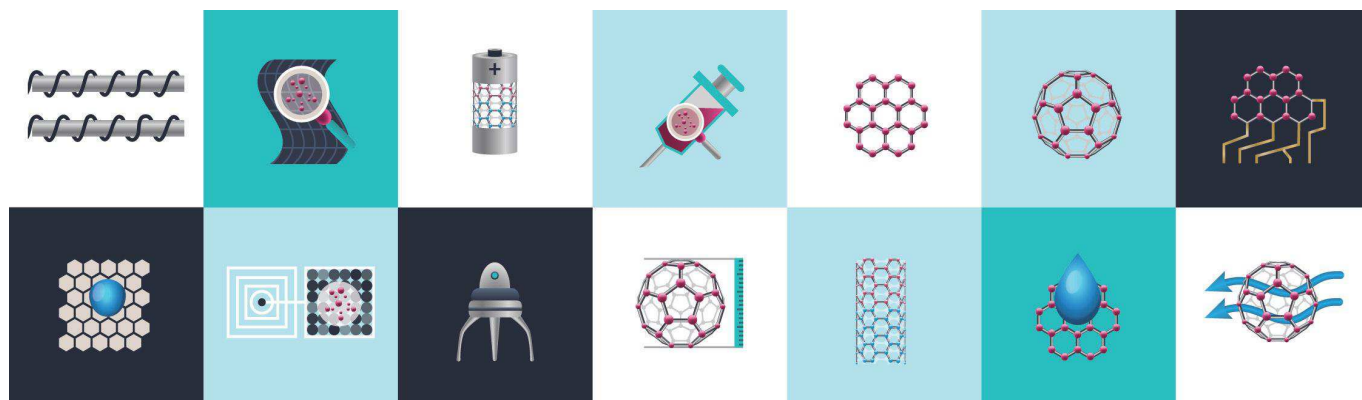


# The 1<sup>st</sup> Advanced materials for carbon neutrality in SKKU-KIST collaboration research



**Date : September 29(Thu) ~ 30(Fri), 2022**

**Place : Meeting room2(1F), KIST Gangneung Institute**

## Detailed Schedule

### | Day 1 | September 29 (Thu)

Time	Schedule	Reference
12:00~12:50 (50')	Registration	Meeting room2(1F)
12:50~13:00 (10')	Opening Ceremony	
13:00~13:20 (20')	<b>[Speaker I] Hyun-Cheol Song</b> Piezoelectric Direct Current (DC) Generator employing Consecutive Polarization Change	
13:20~13:40 (20')	<b>[Speaker II] In-Soo Kim</b> Self-healing polymer-based encapsulation for lead-sealed, submersible, stretchable, and scalable modular perovskite-based optoelectronics	
13:40~14:00 (20')	<b>[Speaker III] Han-Ki Kim</b> Isolated plasma soft deposition technique for plasma damage-free sputtering of transparent electrodes	
14:00~14:30 (30')	<b>[Speaker I] Nam-Gyu Park (SIEST Director)</b> Solar Cell based on Organic Lead Halide Perovskite: A Game Changer in Photovoltaics	
14:00~14:30 (30')	Coffee Break and Photo Time	

14:50~15:20 (30')	<b>[Speaker 2] Kwang-Deog Jung (Head of the CtX Business Division)</b>	
	State of Arts of CCU technology development in Korea	
15:20~15:40 (20')	<b>[Speaker IV] Jae-Hyeok Shim</b>	
	Materials for hydrogen infrastructure for realization of hydrogen society	
15:40~16:00 (20')	<b>[Speaker V] Pil-J. Yoo</b>	
	Modularly Aromatic-Knit Phenolic Network as a Tailored Graphitic Carbon Platform for Highly Enhanced Electrochemical Performance	
16:00~16:20 (20')	<b>[Speaker VI] Hyung-Suk Oh</b>	
	Progress and prospect of KIST-SKKU's electrochemical CCU technology	
16:20~16:40 (20')	Coffee Break	
16:40~17:10 (30')	<b>[Invited Speaker I] Sergei V. Kalinin (University of Tennessee, Knoxville)</b>	Recorded video
	Microscopy is all you need	Knoxville, US 03:40~04:10 (30')am Date: Sep. 29(Thu),2022
17:10~17:40 (30')	<b>[Invited Speaker II] Katie H. Lim(Los Alamos National Laboratory)</b>	New Mexico, US 02:10~02:40(30')am Date: Sep.29(Thu),2022
	Electrode Design Strategy for Ion-pair High Temperature Proton Exchange Membrane Fuel Cells	
17:40~18:10 (30')	<b>[Invited Speaker III] Bo Hou(Cardiff University)</b>	Cardiff, UK 09:40~10:10(30')am Date:Sep.29(Thu),2022
	Colloidal Quantum Dots: 0D Materials for Next-Generation Photovoltaics	
18:10~20:00 (120')	Dinner	Korean Restaurant (Gangneung)

## | Day 2 | September 30 (Fri)

Time	Schedule	Reference
08:00~8:30 (30')	Breakfast	Yulgok Hall(2F)
08:50~09:30 (40')	[Keynote Speaker I] Zhong Lin Wang (Georgia Institute of Technology)	Atlanta, US 19:50~20:30(40')pm Date: Sep.29(Thu),2022
	Triboelectric nanogenerators: fundamentals and technological applications	
09:30~10:10 (40')	[Invited Speaker IV] Seung-Woo Lee (Georgia Institute of Technology)	Atlanta, US 20:30~21:10(40')pm Date: Sep.29(Thu),2022
	Nanoscale Design of Electrocatalysts for Sustainable Hydrogen Production	
10:10~10:50 (40')	[Keynote Speaker II] Mark C. Hersam (Northwestern University)	Illinois, US 20:10~20:50(40')pm Date: Sep.29(Thu),2022
	Stabilizing and Enhancing Lithium-Ion Batteries with Chemically Inert 2D Materials	
11:10 ~	Closing Remark	