

The 2019 **GIST-NTUST** Advanced Materials **Workshop**

Date. July 2nd, 2019
(10:00AM ~ 5:40PM)

Venue. APRI auditorium



Gwangju Institute of
Science and Technology








**TAIWAN
TECH**
NATIONAL TAIWAN UNIVERSITY OF
SCIENCE AND TECHNOLOGY



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Program

	10:00 ~ 10:10	Opening Remark		
1st session Chairman: Jae Young Lee 	10:10 ~ 10:35	Hydrophobins enhanced PETase hydrolysis of polyethylene terephthalate	Professor Cheng-Kang Lee	
	10:35 ~ 11:00	Conductive polymer-based biomimetic multifunctional biomaterials	Professor Jae Young Lee	
	11:00 ~ 11:25	Development and application of micro-polysaccharide drug carriers incorporating doxorubicin and superparamagnetic iron oxide for bimodality treatment of hepatocellular carcinoma	Professor Meng-Yi Bai	
	11:25 ~ 11:50	Supramolecular theranostic nanoagents of peptide amphiphiles	Professor Eunji Lee	
Lunch & Poster session	11:50 ~ 13:00		Student Union Building 2	
	13:00 ~ 14:00	NTUST & GIST	SMSE lobby	



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2nd session Chairman: Min-Hsin Yeh 	14:00 ~ 14:25	Direct <i>in situ</i> growth of tri-layer transition metal dichalcogenides heterostructure catalyst for photoelectrochemical hydrogen evolution	Professor Sanghan Lee	
	14:25 ~ 14:50	Functional films for the next generation display technology	Professor Meng-Lin Tsai	
	14:50 ~ 15:15	Electrochemical catalysis for nitrogen-based energy conversion	Professor Chang Hyuck Choi	
	15:15 ~ 15:40	Designing zeolitic imidazolate framework (ZIF)-derived nanomaterials for electrochemical applications	Professor Min-Hsin Yeh	
15:40 ~ 16:00		Coffee Break		



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3rd session Chairman: Heung Cho Ko 	16:00 ~ 16:25	Hydroxide exchange membranes containing dense quaternary ammonium cations and their application for fuel cells	Professor Jyh-Chien Chen	
	16:25 ~ 16:50	Three-dimensional transformation of membrane-type electronics based on plastic framework and plasticization	Professor Heung Cho Ko	
	16:50 ~ 17:15	From functional polymer to intrinsically stretchable and healable transistor	Professor Yu-Cheng Chiu	
	17:15 ~ 17:40	Redox-enhanced electrochemical capacitors: Electrolyte design and device engineering	Professor Seung Joon Yoo	
18:00 ~ 20:00		Dinner	Nulbusil / Kotdam	