

Ajou – Kyoto – Zhejiang Joint Symposium on Energy Science

17-19 January 2019, Ajou University

SYMPOSIUM PROGRAM

[17th Jan.]

Time	Event	Note
16:00 ~ 18:00	Registration	Rm. 311 Energy Center

[18th Jan.]

Time	Event	Note
09:30 ~ 09:45	Opening Remark (Representatives of Ajou, Kyoto, and Zhejiang)	Rm. 104 Jonghap Hall
	Student Session I	
09:45 ~ 10:00	<ul style="list-style-type: none"> Jaedeok Park (Ajou University) <i>Development of Tm-Ho co-doped fiber lasers operating at the wavelength around 1700 nm</i> 	Chair TBD (Ajou University)
10:00 ~ 10:15	<ul style="list-style-type: none"> Nesreen Hamad (Kyoto University) <i>Detecting conformational changes of translocated in liposarcoma, TLS, upon binding to various non-coding nucleic acids by FRET and HS-AFM</i> 	
10:15 ~ 10:30	<ul style="list-style-type: none"> Lin Shi (Zhejiang University) <i>Simultaneous measurement of single bubble refractive index, size and size change with Phase Critical Angle Refractometry</i> 	
10:30 ~ 10:45	<ul style="list-style-type: none"> Muhammad Umar (Ajou University) <i>Inkjet-printed organic distributed feedback lasers: An arbitrarily patterned bio-light source</i> 	
10:45 ~ 11:00	Break	
	Student Session II	
11:00 ~ 11:15	<ul style="list-style-type: none"> Toshifumi Sano (Kyoto University) <i>Oxide Ion Conduction Pathways for PbWO₄ and CaWO₄-based Ion Conductors with Scheelite-type Structure</i> 	Chair TBD (Ajou University)
11:15 ~ 11:30	<ul style="list-style-type: none"> Qiwen Jin (Zhejiang University) <i>Development of digital holography for in-situ coal powder measurement</i> 	

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11:30 ~ 11:45	<ul style="list-style-type: none"> • <u>Mina Kim</u> (Ajou University) <i>Light-Responsive Hydrogel Actuators by Photothermal Effect</i> 	
11:45 ~ 12:00	<ul style="list-style-type: none"> • <u>Chihiro Ishizaki</u> (Kyoto University) <i>Fabrication of bio-environment compatible conductive carbon nanotube-PEEK composite</i> 	
12:00 ~ 12:15	<ul style="list-style-type: none"> • <u>Xiu Wei</u> (Zhejiang University) <i>Vertical graphene based tin dioxide nanoparticles as a highly sensitive room temperature formaldehyde sensor</i> 	
12:15 ~ 12:30	Group Photo	
12:30 ~ 13:30	Lunch (Corner Stone)	
Student Session III		
13:30 ~ 13:45	<ul style="list-style-type: none"> • <u>Sung Won Hwang</u> (Ajou University) <i>Solution-processed TiO₂/BiVO₄/SnO₂ Triple-layer Photoanode with Enhanced Photoelectrochemical Performance</i> 	
13:45 ~ 14:00	<ul style="list-style-type: none"> • <u>Takuya Yoshioka</u> (Kyoto University) <i>Fabrication of cellulose nanofiber-apatite nuclei composite expressing high bioactivity in bio-environment</i> 	
14:00 ~ 14:15	<ul style="list-style-type: none"> • <u>Shiling Yang</u> (Zhejiang University) <i>High performance hierarchical petal-on-petal MnO₂/vertical graphene foam catalyst with ultralow pressure drop for toluene decomposition in post-plasma catalysis</i> 	Chair Prof. Xuecheng Wu (Zhejiang University)
14:15 ~ 14:30	<ul style="list-style-type: none"> • <u>Jaegyeom Kim</u> (Ajou University) <i>New Lithium-ion Conducting Solid Electrolyte</i> 	
14:30 ~ 14:45	<ul style="list-style-type: none"> • <u>Shin Watanabe</u> (Kyoto University) <i>Bio-environment compatible calcium phosphate coating on bioabsorbable magnesium alloy by a low energy process</i> 	
14:45 ~ 15:00	<ul style="list-style-type: none"> • <u>Xinning Yu</u> (Zhejiang University) <i>Activated carbons derived from hydrothermal carbonization of sucrose as promising adsorbents for VOCs adsorption</i> 	
15:00 ~ 16:00	Poster Session	
		Lobby Jonghap Hall

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Student Session IV		
16:00 ~ 16:15	<ul style="list-style-type: none"> Biao Feng (Zhejiang University) <i>Atomistic insights into the melting process and heat conduction of erythritol as a latent heat storage material</i> 	Chair Prof. Qu Chen (Kyoto University)
16:15 ~ 16:30	<ul style="list-style-type: none"> Ru-Jiao Song (Ajou University) <i>Study on the formation of secondary particles on the surface of particulate matter</i> 	
16:30 ~ 16:45	<ul style="list-style-type: none"> Kiky Corneliasari (Kyoto University) <i>Renewable hydrocarbon fuels from plant oils</i> 	
16:45 ~ 17:00	<ul style="list-style-type: none"> Xin Zhang (Zhejiang University) <i>Early Winter Observations in Longyou County, Zhejiang Province, 2018: Off-line AMS Analysis of PM_{2.5} Based on Filter Samples</i> 	
17:00 ~ 17:15	<ul style="list-style-type: none"> Kiryung Eom (Ajou University) <i>Correlation of Band Electronic Structure with Efficiency in Perovskite Solar Cells with VO_x Thin Film Buffers</i> 	
17:15 ~ 17:30	<ul style="list-style-type: none"> Fengjiu Yang (Kyoto University) <i>Superior bending durability of flexible perovskite solar cells using metal oxide electron transport layer</i> 	
17:30 ~ 17:45	Closing Remarks	
17:45 ~	Welcome Dinner (SFG Chenjiyeon)	

[19th Jan.]

Time	Event	Note
10:00 ~ 12:00	Round-Table Discussion on Energy Science	Rm. 311 Energy Center