IBS-KIChE Joint Symposium on Nanomaterials for Catalysis I

공동주관: 한국화학공학회, IBS-Center for Nanoparticle Research

대전컨벤션센터 F발표장(101호) 2019년 10월 25일(금), 08:55~12:00

Chairman: Yung-Eun Sung, Seoul Nat'l Univ.

08:55	Opening remarks	Taeghwan Hyeon, Seoul Nat'l Univ.
09:00	[Keynote Lecture] Artificial photosynthesis for solar fuel production: Fundamental and practice	Can Li, Dalian Institute of Chemical Physics
09:40	Charge transfer highway in bicontinuous nanoporous core-shell iridium/iridium oxide for oxygen evolution reaction	Yong-Tae Kim, POSTECH
10:05	Promoting renewable energy conversion electrocatalysis by atomically dispersed catalysts	Sang Hoon Joo, UNIST
10:30	Coffee break	

Chairman: Do Heui Kim, Seoul Nat'l Univ.

10:40	Development of nanoscale carbon for active and durable electrocatalysts	Yung-Eun Sung, Seoul Nat'l Univ
11:05	Electrochemical quantification of active site density and turnover frequency: from single atom to bulk metal catalysts	Chang Hyuck Choi, GIST
11:30	[Keynote Lecture] CeO_2-catalyzed synthesis of linear, cyclic and poly-carbonates from CO_2 and alcohols using organic dehydrants	Keiichi Tomishige, Tohoku Univ.

Speaker

Can Li

1988 Ph.D., Physical/Catalysis Chem., Dalian Inst. of Chem. Physics
1996 Visiting Prof., Center for Catalysis and Surface Sci., Northwestern Univ.
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IBS-KIChE Joint Symposium on Nanomaterials for Catalysis II

공동주관: 한국화학공학회, IBS-Center for Nanoparticle Research

대전컨벤션센터 F발표장(101호) 2019년 10월 25일(금), 13:30~16:45

Chairman: Sang Hoon Joo, UNIST

13:30	[Keynote Lecture] Au/α-MoC catalyst for water gas shift reaction	Ding Ma, Peking Univ.
14:10	Mechanistic investigation of electrochemical water oxidation	Ki Tae Nam, Seoul Nat'l Univ.
14:35	Atomically dispersed electrocatalysts for low temperature fuel cell and water electrolysis	Jinwoo Lee, KAIST
15:00	Coffee break	

Chairman: Jinwoo Lee, KAIST

15:15	[Keynote Lecture] The trend of global emission standards on diesel engines and catalyst technology developments	Paul Park, Caterpillar Inc.
15:55	3D atomic structure analysis of heterogeneous catalyst by "one-particle reconstruction"	Jungwon Park, Seoul Nat'l Univ.
16:20	Strong metal-support interaction (SMSI) in Pt/CeO_2: Nature and its effect on catalytic activity	Do Heui Kim, Seoul Nat'l Univ.

Speaker

Ding Ma

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