한·대만 화학공학회 공동 심포지엄 I
(Korea-Taiwan joint symposium on chemical engineering I)

주 관: 국제화 국제협력위원회

대전컨벤션센터 F발표장(101호) 2017년 10월 26일(목), 08:40~11:05

Chairman: Kijung Yong, POSTECH

08:40 Opening remarks
Woo-Sik Kim, Senior Vice President of KIChE

08:50 [Keynote Lecture] Control of morphology of polymeric membranes – roles of phase separation, mass transport and solution rheology
Da-Ming Wang, Nat’l Taiwan Univ.

09:20 [Keynote Lecture] How to improve the performance of supercapacitors, sensors, and photocatalysts using graphene
Jae-Jin Shim, Yeungnam Univ.

09:50 Synthesis and modification of Na₃V₂(PO₄)₃ cathode materials for sodium–ion batteries
Wei-Ren Liu, Chung Yuan Christian Univ.

10:15 Computational materials design for developing high performance solid oxide fuel cell electrodes
Jeong Woo Han, Univ. of Seoul

10:40 Nanostructure engineering using microplasmas: Synthesis and applications
Wei-Hung Chiang, Nat’l Taiwan Univ.

대전컨벤션센터 F발표장(101호)
2017년 10월 26일(목), 08:40~11:05

Organizer/Chairman/Speaker

Kijung Yong
2000 Post-doc., Dept. of Chem. Eng., Univ. of Texas at Austin
Present Prof., Dept. of Chem.Eng., POSTECH

Da-Ming Wang
Present Professor, Dept. of Chem. Eng., Nat’l Taiwan Univ. / Editor, Journal of Chem. Eng., Eng. of Japan

Wei-Hung Chiang
2009 Ph.D., Chem. Eng., Case Western Reserve Univ.
2010 Post-doc., Fellow, AIST, Japan
Present Associate Prof., Dept. of Chem. Eng., NTUST

Jeong Woo Han
2012 Post-doc., Dept. of Nuclear Sci. & Eng., MIT
Present Assoc. Prof., Dept. of Chem. Eng., Univ. of Seoul

Wei-Ren Liu
2010 Res. Mater. and Chem. Lab., Ind. Tech. of Res. Inst., Hsinchu, Taiwan
Present Associate Prof., Dept. of Chem. Eng., Chung Yuan Christian Univ.

Jae-Jin Shim
1990 Ph.D., Dept. of Chem. Eng., Univ. of Texas at Austin
2012 President, Korean Soc. of Clean Tech.
Present Prof., School of Chem. Eng., Yeungnam Univ.

Speaker

Jae-Jin Shim
1990 Ph.D., Dept. of Chem. Eng., Univ. of Texas at Austin
2012 President, Korean Soc. of Clean Tech.
Present Prof., School of Chem. Eng., Yeungnam Univ.

Wei-Ren Liu
2010 Res. Mater. and Chem. Lab., Ind. Tech. of Res. Inst., Hsinchu, Taiwan
Present Associate Prof., Dept. of Chem. Eng., Chung Yuan Christian Univ.

Jeong Woo Han
2012 Post-doc., Dept. of Nuclear Sci. & Eng., MIT
Present Assoc. Prof., Dept. of Chem. Eng., Univ. of Seoul

Wei-Hung Chiang
2009 Ph.D., Chem. Eng., Case Western Reserve Univ.
2010 Post-doc., Fellow, AIST, Japan
Present Associate Prof., Dept. of Chem. Eng., NTUST

Kijung Yong
2000 Post-doc., Dept. of Chem. Eng., Univ. of Texas at Austin
Present Prof., Dept. of Chem. Eng., POSTECH
한·대만 화학공학회 공동 심포지엄 II
(Korea–Taiwan joint symposium on chemical engineering II)
주 관: 국제화 국제협력위원회

대전컨벤션센터 F발표장(101호) 2017년 10월 26일(목), 14:00~17:20

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00</td>
<td>Gallium oxide based(opto) electronic devices</td>
<td>Jihyun Kim, Korea Univ.</td>
</tr>
<tr>
<td>14:25</td>
<td>Wet deposition of inorganic nanoporous thin films</td>
<td>Dun-Yen Kang, National Taiwan Univ.</td>
</tr>
<tr>
<td>14:50</td>
<td>Design of nanocrystal quantum dots as light emitters</td>
<td>Doh Chang Lee, KAIST</td>
</tr>
<tr>
<td>15:15</td>
<td>Coffee break</td>
<td></td>
</tr>
<tr>
<td>15:30</td>
<td>Biomimicking of natural leaf: Physical and chemical approach</td>
<td>Kijung Yong, POSTECH</td>
</tr>
<tr>
<td>15:55</td>
<td>Fluorescent electrospun nanofibers for metal–ion sensing applications</td>
<td>Wen-Chung Wu, Nat’l Cheng Kung Univ.</td>
</tr>
<tr>
<td>16:20</td>
<td>Ultrasensitive mechanosensors inspired by spider’s sensory organ</td>
<td>Tae-il Kim, SKKU</td>
</tr>
<tr>
<td>17:10</td>
<td>Closing remarks</td>
<td>Soo Hyoung Choi, Chonbuk Nat’l Univ. Chair of International Relations Committee KIChe</td>
</tr>
</tbody>
</table>

**Speaker**

- **Jihyun Kim**
  2004 Ph.D., Chem. Eng., Univ. of Florida
  Present Prof., Dept. of Chem. and Bio. Eng., Korea Univ.

- **Dun-Yen Kang**
  Present Associate Prof., Dept. of Chem. Eng., Nat’l Taiwan Univ.

- **Doh Chang Lee**
  2007 Ph.D., Chem. Eng., Univ. of Washington
  2010 Director’s Post-doc. Fellow, Los Alamos Nat’l Lab.
  Present Associate Prof., Dept. of Chem. and Bio. Eng., KAIST

- **Tae-il Kim**
  2012 Post-doc. Associate, Dept. of Mater Sci. and Eng., Univ. of Illinois at Urbana–Champaign
  Present Associate Prof., School of Chem. Eng., SKKU

- **Wen-Chung Wu**
  Present Associate Prof., Dept. of Chem. Eng., Nat’l Cheng Kung Univ.

- **Ching-Yi Chen**
  2009 Ph.D., Mater. Sci. & Eng., Univ. of Washington
  2010 Post-doc. Res. Fellow, Nat’l Taiwan Univ.
  Present Associate Prof., Dept. of Chem. Eng., Nat’l Chung Cheng Univ.