

# **The 11<sup>th</sup> International Conference on Multi-functional Materials and Applications (ICMMA 2017)**

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Prof. Won-Chun Oh (Hanseong University, Korea)

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Prof. Shao-Jie Feng (Anhui Jianzhu University, China)  
Prof. Feng-Jun Zhang, (Anhui Jianzhu University, China)

## Agenda of ICMMA2017 - Opening Ceremony

(Host by Prof. Dr. **Daosheng Sun**)

|             |   |  |
|-------------|---|--|
| 08:50~09:00 | Report address by Prof. <b>Daosheng Sun</b> (Anhui Jianzhu University, China)<br>– Conference Chairman  |  |
| 09:00~09:30 | 09:00~09:10   | Opening Address by<br>Prof. Dr. <b>Qiansheng Fang</b><br>(Anhui Jianzhu University, China) –The President of<br>Anhui Jianzhu University, China    |
|             | 09:10~09:20   | Address by<br>Prof. Dr. <b>Won-Chun Oh</b><br>(Hanseu University, Korea) – Conference Vice Chairman<br><b>Introduction of Potential Scientists</b> |
|             | 09:20~09:30   | Address by Prof. Dr. <b>Chan-Kyung Kim</b> (Prof., Inha University, Korea)<br><b>Introduction of ICMMA2018</b>                                     |
| 09:30~09:40 | <b>"Award of Appreciation Plaque"</b><br>Plaque to Prof. Dr. <b>Vittaya Amornkitbamrung</b><br>(Khon Kaen University, Thailand)<br>Plaque to Prof. Dr. <b>Saksit Chanthai</b><br>(Khon Kaen University, Thailand) |  |
| 09:40       | The conference chairman announces ICMMA 2017 begins   |  |
| 09:50       | Group photo   |  |

## Conference Program

**November 16 (Thursday), 2017**

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| 12:00-18:00 | Onsite Registration                                |
| 18:00-20:00 | Welcome Reception                                  |
| 20:00~      | Conference Committee Board Meeting (for ICMMA2018) |

**November 17 (Friday), 2017**

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| 08:30~  | Onsite Registration   |
| 08:50-10:00   | Opening Ceremony (Anhui Jianzhu University, China)  |
| <b>Session A (10:10-11:00) (Chairman : Prof. Dr. Won-Chun Oh)</b>           |   |
| 10:00-10:30   | <b>Invited Lecture 1</b><br>Prof. <b>Shuhong-Yu</b> (University of Science and Technology of China)<br><i>Macroscopic Nanoparticle Assemblies: Functionalization, Integration and Application</i>   |
| 10:30-11:00   | <b>Invited Lecture 2</b><br>Prof. <b>Takuya Yoshikawa</b> , (Faculty of Engineering, Hokkaido University, Sapporo, Japan)<br><i>Recovering lignin from raw biomass via organosolv treatment using water/1-butanol mixture</i>   |
| 11:00-11:10 Coffee break  |   |
| <b>Session B-1(11:10-12:05) (Session Chairman : Prof. Dr. Zhigang Chen)</b> |   |
| 11:10-11:40   | <b>Invited Lecture 3</b><br>Dr. <b>Jyothi Rajesh Kumar</b> (Convergence Research Center for Development of Mineral Resources (DMR),Korea Institute of Geoscience and Mineral Resources (KIGAM), Korea)<br><i>Recovery of Rare Earths for Green Technology Applications: Grand Opportunities to Create Wealth from Waste</i> |
| 11:40-12:05   | <b>Special Lecture 1</b><br>Prof. <b>Chen-Hao Wang</b> (Department of Materials Science and Engineering, National Taiwan University of Science and Technology, Taipei, Taiwan )<br><i>Modification of graphite felt electrodes for vanadium redox flow batteries</i>  |
| <b>Session B-2(11:10-12:05) (Session Chairman : Prof. Heon-Chang Kim)</b>   |   |
| 11:10-11:40   | <b>Invited Lecture 4</b><br>Dr. <b>Kyuseok Song</b> (Nuclear Chemistry Research Division, Korea Atomic Energy Research Institute, Korea)<br><i>Development of Radiochemical techniques in NCRD of KAERI</i>   |
| 11:40-12:05   | <b>Special Lecture 2</b><br>Prof. <b>Kan Zhang</b> (School of Materials Science and Engineering, Nanjing University of  |

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|   | Science and Technology, Nanjing, China)<br><i>Design of Nanomaterials with Controllable Electron Behavious for Clean Energy</i>  |
| 12:05-13:15 Lunch   |  |
| <b>Session C-1 (13:15-14:55) (Session Chairman : Prof. Chen-Hao Wang)</b>     |  |
| 13:15-13:35   | Special Lecture 3<br>Prof. <b>Gang He</b> (School of Physics and Materials Science, Radiation Detection Materials & Devices Lab, Anhui University, China)<br><i>Fully Solution-Induced Ultralow Voltage Indium Oxide Thin Film Transistors With ZrOx High-k Gate Dielectrics</i> |
| 13:35-14:00   | Special Lecture 4<br>Prof. <b>Benhong Yang</b> (Analytical and Testing Center, Hefei University, China)<br><i>Hydrothermal Preparation of Corn-like Hierarchical BiVO4 and its Self-assembly Mechanism</i>   |
| 14:00-14:20   | Oral Lecture 1<br>Prof. <b>Xinhua Huang</b> (Anhui University of Science and Technology, China)<br><i>Naphthalene based covalent polymer microstructure and its applications</i>   |
| 14:20-14:40   | Oral Lecture 2<br>Prof. <b>Guang Li</b> (Anhui University, China)<br><i>Great enhancement of electrochemical stability of Fe3O4 modified by carbon materials</i>   |
| <b>Session C-2 (13:15-14:55) (Session Chairman : Dr. Jyothi Rajesh Kumar)</b> |  |
| 13:15-13:35   | <b>Special Lecture 5</b><br>Prof. <b>Saksit Chanthai</b> (Department of Chemistry, Faculty of Science, Khon Kaen University, Thailand)<br><i>Enhanced adsorption capacity of manganese(II) from aqueous solution using amino-functionalized graphene oxide</i>                   |
| 13:35-14:00   | Special Lecture 6<br>Prof. <b>Rachadaporn Benchawattananon</b> (Department of Chemistry, Faculty of Science, Khon Kaen University, Thailand)<br><b>Natural dyes with Small particle reagent for developing latent fingerprints</b>   |
| 14:00-14:20   | Oral Lecture 3<br>Prof. <b>Yulun Tao</b> (Anhui University of Science and Technology, China)<br><i>The preparation and semiconductive properties of conductive polymer single crystals</i>   |
| 14:20-14:40   | Oral Lecture 4   |

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|   | <p>Prof. <b>Kaiwei Liu</b> (Anhui Key Laboratory of Advanced Building Materials, Anhui Jianzhu University, China)</p> <p><i>External Sulfate Attack on Mortars: Products, Microstructure and Expansion</i></p>  |
| 14:40-15:00 Coffee break  |   |
| <b>Session D-1 (15:00-17:00) (Session Chairman : Prof. Dr. Saksit Chanthai)</b> |   |
| 15:10-15:35   | <p>Special Lecture 7</p> <p>Prof. <b>Kyungwoo Park</b> (Department of Mechanical Engineering, Hoseo University, Korea)</p> <p><i>Numerical Analysis on Fluid Flow and Heat Transfer Characteristics in Urea Water Solution Tank of Urea-SCR System</i></p>  |
| 15:35-16:00   | <p>Special Lecture 8</p> <p>Prof. <b>Chul Gyu Jhun</b> (Department of Mechanical Engineering, Hoseo University, Korea)</p> <p><i>Fabrication Process of Liquid Crystal Droplets and Their Application</i></p>   |
| 16:00-16:20   | <p>Oral Lecture 5</p> <p>Prof. <b>Xianglong Wan</b> (Anhui University of Science and Technology, China)</p> <p><i>From the waste to functional materials: designed modifications on the surface of the solid waste</i></p>  |
| 16:20-16:40   | <p>Oral Lecture 6</p> <p>Prof. <b>Mingzai Wu</b> (Anhui University, China)</p> <p><i>A new type magnetic field driven phase transformation materials : Ca(OH)<sub>2</sub> based nanostructures and the transformation mechanism</i></p>   |
| 16:40-17:00   | <p>Oral Lecture 7</p> <p>Prof. <b>Ram K. Agarwal</b> (Editor-in-Chief, Asian Journal of Chemistry, India)</p> <p><i>Synthesis, Spectral and Thermal Characteristics of Some Trivalent Lanthanide Coordination Compounds of 4[N-(2',4',6'-Trichlorobenzalidene)amino] antipyrine semicarbazone and quinoline as Potential Biological Compounds</i></p> |
| <b>Session D-2 (15:10-16:50) (Session Chairman : Prof. Dr. Ming Ding)</b>       |   |
| 15:10-15:35   | <p>Special Lecture 9</p> <p>Prof. <b>Chengbao Liu</b> (Suzhou University of Science and Technology, China)</p> <p><i>Three dimensional Mn<sub>3</sub>O<sub>4</sub>-CeO<sub>2</sub>/holey-graphene hierarchical architectures from stem for high-performance asymmetric supercapacitors</i></p>  |
| 15:35-16:00   | <p>Oral Lecture 10</p>  |

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|  | Mr. <b>Nasir Shahzad</b> (Inha University, KOREA)<br><i>Towards breaking a linear scaling relationship in the fuel cell reaction; a theoretical study</i>   |
| 16:00-16:20  | Oral Lecture 8<br>Ms. <b>Yonrapach Areerob</b> (Hanseon University, KOREA)<br><i>Designed Graphene composites for flexible Dye-Sensitized and H<sub>2</sub> Evolution Application</i>   |
| 16:20-16:40  | Oral Lecture 9<br>Mr. <b>Dinh Cung Tien Nguyen</b> (Hanseon University, KOREA)<br><i>Synthesis of mesoporous SiO<sub>2</sub>/Cu<sub>2</sub>O-graphene nanocomposites and their highly efficient photocatalytic performance for dye pollutants</i> |
| 16:40-17:00  | Oral Lecture 10<br>Prof. <b>Xianbiao Wang</b> (School of Materials and Chemical Engineering, Anhui Jianzhu University, China)<br><i>Hydrothermal Preparation of Hierarchical ZIF-L Nanostructures for Enhanced CO<sub>2</sub> Capture</i>         |
| <b>Poster Session (17:00-18:00) (Session Chairman : Prof. Benhong Yang) with Coffee and Beverage</b> |   |
| <b>Banquet (18:00 ~ 20:00)</b>   |   |
| 19:50-20:00  | Closing Remark ( <b>Prof. Xian -Huai Huang</b> )  |

### November 18 (Saturday), 2017

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| 9:30 ~ ~12:00 | Sightseeing of Industrial area and Conference Tour |
| 13:00~        | Free tour  |

### November 19 (Sunday), 2017

Departure