

Program

| May 6 th , 2015 | | | | |
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| Time | Event | Address | | |
| 18:00 - 21:00 | Registration | Guangzhou Zhongbang International Hotel | | |
| 18:30 - 20:30 | Welcome Reception | Guangzhou Zhongbang International Hotel | | |
| May 7 th , 2015 | | | | |
| Time | Report type | Title | Speaker | Institution |
| Session I - 1 | | Session Chair: Prof. An-Bang Wang (National Taiwan University) | | |
| 08:50 - 08:55 | Opening Ceremony | Opening Address | Wang Xiaogang | Director of IIT, GZ&CAS |
| 08:55 - 09:00 | | Opening Address | An-Bang Wang | Vice President of ISCST |
| 09:05 - 09:10 | | Opening Address | Huang Xuejie | Conference Chair of ACW2015 |
| 09:05 - 09:30 | Keynote Report | Current R&D at the Precision Coating Lab, Tsing Hua University | Ta - Jo, Liu | National Tsing Hua University |
| 09:30 - 09:55 | | Precision Coating Industry & Technology for the 7th Asian Coating Workshop | Shuzo Fuchigami | University of Minnesota |
| 09:55 - 10:20 | | Overview of the manufacturing of LiB | Huang Xuejie | The Institute of Physics, CAS |
| 10:20 - 10:40 | Tea Time | | | |
| Session I - 2 | | Session Chair: Prof. Masato Yamamura (Kyushu Institute of Technology) | | |
| 10:40 - 11:00 | Invited Report | Analysis of transparent conductive AgNw film from dip coating | Jaewook Nam | Sungkyunkwan University |
| 11:00 - 11:20 | | Two-Dimensional Modeling of Slot Die Coating | Shiu - Wu CHAU | National Taiwan University |
| 11:20 - 11:40 | | Application of Flexographic & Gravure Technology on Conductive Circuit Printing | Li Luhai | Beijing Institute of Graphic Communication |

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| 11:40 - 12:00 | | Phase transition from dissolved organic materials to solid phase during drying | Yoshiko Tsuji | The University of Tokyo |
| 12:00 - 13:30 | Lunch | | | |
| Session II - 1 | | Session Chair: Prof. Hyun Wook Jung(Korea University) | | |
| 13:30 - 13:35 | Presentation of Posters | Effect of binders on microstructure formation in Li-ion battery anode slurry | Sanghyuk Lim | Seoul National University |
| 13:35 - 13:40 | | Interdiffusion and Chain Orientation of Bilayer Polyimide Film Affected by Drying Conditions | Byoung Wook Jo | Seoul National University |
| 13:40 - 13:45 | | Role of conductivity of ink on the Taylor cone jet in electrohydrodynamic printing | Milim Yu | Seoul National University |
| 13:45 - 13:50 | | Drying-inlcuded emission enhancement in surfo-rhodemine solution films | Shota SHIMIZU | Kyushu Institute of Technology |
| 13:50 - 13:55 | | Suppressed Cracking by Polymer adsorption in drying particle suspensions | Takuya TAHARA | Kyushu Institute of Technology |
| 13:55 - 14:00 | | The Coating and Lamination of a Viscous Newtonian Liquid | Shih - Hsuan, Chen | National Tsing Hua University |
| 14:00 - 14:05 | | Flow Visualization of Suspension Coating in a Slot Die | Chiao - Ting, Tai | National Tsing Hua University |
| 14:05 - 14:10 | | Biodegradable Microneedles Fabricated from Slot Die Coating | Chung - Min, Hsieh | National Tsing Hua University |
| 14:10 - 14:15 | | Microneedle Patches Made by Coating Technique | Meng - Hsuan, Hsiao | National Tsing Hua University |
| 14:15 - 14:20 | | Enhance Cathode Electrochemical Performances by Dual Layer Simultaneous Slot-die Coating for Lithium Ion Batteries | Li-Chun, Chen | National Tsing Hua University |
| 14:20 - 14:25 | | Dual-layer coating method and formulas adjustment improve the electrode structure of lithium-ion battery | Dar-Jen, Liu | National Tsing Hua University |
| 14:25 - 14:40 | Tea Time | | | |

| Session II - 2 | | Session Chair: Prof. Yoshiyuki Komoda(Kobe University) | | |
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| 14:40 - 14:45 | Presentation of Posters | Effect of shim configuration on flow dynamics in slot coating process | Guanglin, Jin | Korea University |
| 14:45 - 14:50 | | Viscocapillary model for dynamics and optimal window in dual-layer slot coating process | Won-Gi Ahn/ Hyun Wook Jung | Korea University |
| 14:50 - 14:55 | | Analysis of flow inside a die manifold | Heechan Jung | Sungkyunkwan university |
| 14:55 - 15:00 | | Confinement effects in the Landau-Levich problem | Onyu Kim | Sungkyunkwan university |
| 15:00 - 15:05 | | Frequency response of slot coating flow to gap disturbances | Semi Lee | Sungkyunkwan university |
| 15:05 - 15:10 | | Analysis of sublimation purification process of organic semiconductor materials | Takuya Iwao | The University of Tokyo |
| 15:10 - 15:15 | | Composition control of Indium-Gallium-Zinc-Oxide thin films | Yuki Kominami | The University of Tokyo |
| 15:15 - 15:20 | | Effect of substrate hydrophilicity on the particle accumulation in the drying of particle dispersion | Daisuke Ishikawa | Kobe University |
| 15:20 - 15:25 | | Microrheological investigation of drying process of polymer solution droplet | Tanaka Yudai | Kobe University |
| 15:25 - 15:40 | | Highly stretchable and conductive thin film patterns | Chun-Yi,Li | National Taiwan University |
| 15:40 - 15:45 | | The Development of Suction-aided Silicon-Wafer-Based-Slot Die Coater and Its Flow Visualization System | Shu-Hung Lai | National Taiwan University |
| 15:45 - 17:00 | Q&A and Discussion | | | |
| 17:30 - 19:30 | Banquet | Nansha Grand Hotel | All Participants | |
| 20:00 - 21:00 | ACW Member Meeting | 1st floor, Office Building, IIT, GZ&CAS | All Professors | |

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| 19:30 - 24:00 | International Student Tour | Guangzhou City | All International Students | |
| May 8th , 2015 | | | | |
| Time | Report type | Speech | Speaker | Institution |
| Session III - 1 | | Session Chair: Prof. Li Luhai (Beijing Institute of Graphic Communication) | | |
| 9:00 - 9:20 | Invited Report | Research Overview of Multicomponent Drying at Kyutech | Masato YAMAMURA | Kyushu Institute of Technology |
| 9:20 - 9:40 | | A new perspective of materials processing | Kyung Hyun Ahn | Seoul National University |
| 9:40 - 10:00 | | Applications of Coating Technologies in Materials Genome Engineering | Xiang Yong | University of Electronic Science and Technology of China |
| 10:00 - 10:20 | | Crosslinking characteristics and properties of organic coatings via thermal and UV curing processes | Hyun Wook Jung | Korea Univeristy |
| 10:20 - 10:40 | Tea Time | | | |
| Session III - 2 | | Session Chair: Prof. Kyung Hyun Ahn (National Seoul University) | | |
| 10:40 - 11:00 | Invited Report | Evaluation of preparation process of highly concentrated slurry from view point of viscoelasticity | Yoshiyuki Komoda | Kobe University |
| 11:00 - 11:20 | | Application of New Coating Technology in LiB and Photoelectric Industry | Guan Jingdang | Shenzhen Shining Automation Co.,Ltd. |
| 11:20 - 11:40 | | Study on packing fraction of particulate films formed from drying of colloidal suspensions | Susumu Inasawa | Tokyo University of Agriculture and Technology |
| 11:40 - 12:00 | | Coating and Printing Research at National Taiwan University in 2013-2015 | An-Bang Wang | National Taiwan University |
| 12:00 - 12:20 | | Roll-to-Roll Printed Organic and Perovskite Solar Cells | Yang Junliang | Central South University |
| 12:20 - 14:00 | Lunch | | | |

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| 14:00 - 17:00 | Tourism | Nansha Wet Land | All Professors and Students |
| 17:30 – 19:30 | Dinner | Nansha Shi Di Xuan | All Professors and Students |

