**2015 Korea-Germany IRTG Workshop**

**< Schedule >**

**January 4 (Sunday)**

18:00 Arrival and Check-in at Gonjiam Resort

18:00~20:00 Welcoming Dinner (Damha)

**January 5 (Monday)**

09:30 ~ 09:50 Opening Remark (Prof. Kookheon Char & Prof. Rudolf Zentel)

09:50 ~ 10:00 Photo Session

**Session I**

**(Chairman: Prof. Kwang-Sup Lee & Prof. Rudolf Zentel)**

10:00 ~ 10:30Prof. Siegfried Waldvogel

***“Structuring of Cathodic Surfaces and Electrolytes for Electrooragnic Synthesis and Identification and Synthesis of Active Moiety within the Wang System for Lithium-Sulfur Batteries”***

10:30 ~ 11:00Prof. Rudolf Zentel

**“*Surface Modification of Inorganic Nanoparticles with Polymers: A Way to Facilitate Charge Injection and Charge Separation*”**

11:00 ~ 11:30 Coffee & Tea

11:30 ~ 12:00 Prof. Kookheon Char

***“Role of Interfaces for Optoelectronics and Electrochemical Systems”***

12:00 ~ 12:30 Prof. Wolfgang Tremel

***“TBA”***

12:30 ~ 14:00 Lunch (Cafeteria)

**Session II**

**(Chairman: Prof. Kookheon Char & Prof. Mischa Bonn)**

14:00 ~ 14:30Prof. Mischa Bonn

 **“*Electrified and Electrifying Interfaces*”**

14:30 ~ 15:00Prof. Kwang-Sup Lee

 **“*Organics, Polymers and Organic-Inorganic Hybrid Materials for***

***Optoelectronic Applications*”**

15:00 ~ 15:30 Coffee & Tea

15:30 ~ 16:00 Prof. Rudiger Berger

***“TBA”***

16:00 ~ 17:00 Discussion of First Day Session

17:00 ~ 20:00 Dinner (Buffet at Mirasia)

**January 6 (Tuesday)**

**Discussion I**

**(Chairman: Prof. Kookheon Char & Prof. Rudolf Zentel)**

09:30 ~ 10:00Prof. Yung-Eun Sung

***“Nanoparticle Electrochemistry for Energy Materials & Devices”***

10:00 ~ 10:30Prof. Kisuk Kang

***“Designing New Battery Materials with Multi-disciplinary Approach”***

10:30 ~ 13:00Brainstorming on a New IRTG Proposal

***“Electrified Heterostructures”***

13:00 ~ 14:00 Lunch (Cafeteria)

**Poster Session**

**(Chairman: Prof. Rudiger Berger)**

14:00 ~ 16:00 Student Poster Presentation

**Discussion II**

**(Chairman: Prof. Kookheon Char & Prof. Rudolf Zentel)**

16:00 ~ 18:00 Scheduling on the 2015 IRTG Workshop in Berlin

18:00 ~ 21:00 Dinner (BBQ at Neutinamu)

**January 7 (Wednesday)**

08:30 ~ 12:00Move to Incheon Airport & Depart

**\*Poster Titles**

P1. ***“Synthesis and Characterization of Asymmetric Diketopyrrolopyrrole-Based Conjugated Polymers”***

Jieun Jeong, Sujung Park, Inho Kim, Nam Seob Baek, Tae-Dong Kim

P2. ***“Synthesis and Assembly of Titania Nanocubes”***

Huesmann Hannah, Philipp Schneider, Wolfgang Tremel

P3. ***“Structure and Property of Polyacrylamide-based Nanocomposite Hydrogels”***

Jin Jeon, Yang Ho Na

P4. ***“Synthesis of Annihilation Upconversion Nanocapsules under Protective Conditions”***

Kartheek Katta, Dmitry Busko, Rafael Muñoz-Espí, Stanislav Baluschev\* and Katharina Landfester\*

P5. ***“Construction of Multi-dimensional Nanostructures by the Conformational Change of Conjugated Polymers”***

Eun-Hye Kang, So Young Yu, Jeongeun Kim, Tae-Lim Choi\*

P6. ***“HPMA Copolymer Based Cross Linkable Surfactant for Preparation of Polymeric Nanoparticles by Miniemulsion Process”***

Kyung Oh Kim, Annette Kelsch, Rudolf Zentel \*

P7. ***“One Step Preparation and Mechanical Behavior of Tough Hydrogels with Double Network Structure”***

Hwa Yeon Oh, Yang Ho Na

P8. ***“Surface Modified Quantum Dots for Nanophotonics, Stereolithography and Biomedical Studies on Model Systems”***

Redouane Krini, Lutz Nuhn, Hicham El Mard, Cheol Woo Ha, Yoondeok Han, Kwang-Sup Lee, Dong-Yol Yang, Jinsoo Joo, Rudolf Zentel

P9. ***“Disappeared Effective Attraction between Collapsed Polymers in Crowded Environment”***

Inrok Oh, Saehyun Choi, Jun Soo Kim\* and YounJoon Jung\*

P10. ***“Novel iron(II) Complexes – A Way to 3D Metal Complex Chromphores”***

A. K. C. Mengel, A. Breivogel, J. R. Ochsmann, C. Förster, K. Heinze

P11. ***“Various Shell Thickness Nanocrystal Quantum Dots for High Performance Light-Emitting Devices”***

Myeongjin Park, Jaehoon Lim, Byeong Guk Jeong, Jai Kyeong Kim, Jeffrey M. Pietryga, Young-Shin Park, Victor I. Klimov, Changhee Lee, Doh C. Lee and Wan Ki Bae

P12. ***“Efficiency-limiting Processes in Photovoltaic Blends of DPP-type Copolymers and PC71BM”***

Julian Robert Ochsmann, Deepak Chandran, Husna Anwar, Pramod Kandoth Madathil, Kwang-Sup Lee, and Frédéric Laquai

P13. ***“Asymmetrical Side Chain Engineering of Diketopyrrolopyrrole-Based Conjugated Polymers for Organic Electronics”***

Sujung Park, Ji-Eun Jung, and Tae-Dong Kim

P14. ***“Cross-Linked Sulfur-P3HT Copolymer as a new Cathode Material in Lithium-Ion Batteries”***

Bernd Oschmann, Jungjin Park, Erik Kersten, Kookheon Char, Yung Eun Sung, Rudolf Zentel

P15. ***“One-Shot Synthesis/in Situ Fabrication of Polyacetylene Block-Like Copolymer Nanostructures by Ring Opening Metathesis Polymerization”***

Suyong Shin, Ki-Young Yoon, Tae-Lim Choi\*

P16. ***“Real-space Observation of Charge Distribution in a Perovskite Sensitized Solar Cell”***

Victor Bergmann, Stefan A.L. Weber, F. Javier Ramos, Mohammad K. Nazeeruddin,

Michael Grätzel, Dan Li, Anna L. Domanski, Ingo Lieberwirth, Shahzada Ahmad, Rüdiger Berger

P17. ***“Preparation and Properties of Graphene Sheets Coupled with Magnetic Nanoparticles”***

Ji-Hwan Park, Yi-seul Han, Sung-Hyun Kim, Sang-Ouk Kim, Kyung Eun Lee, and Kwang-Sup Lee

P18. ***“Aggregation Enhanced Two-photon Absorption Dyes for in vivo Imaging”***

Tobias Johann, Kerstin Schmidt, Rudolf Zentel, Kwang-Sup Lee

P19. ***“3D Microfabrication and Bioimaging by using Two-Photon Absorbing Chromophores”***

Ha Neul Chae , Jin Sun Park, Jin-Kyung Park, Ju Hyoung Jung, and Kwang-Sup Lee\*

P20. ***“Improvement in the Photocurrent of Inverted Organic Solar Cells Employing a P-type Optical Spacer”***

Jiyun Song, Hyung-Jun Song, Myeongjin Park, and Changhee Lee

P21. ***“Advanced Morphology Control of Organic Solar Cells by Controlling Mutual Diffusion of Molecules”***

Jongkuk Ko, Jiyun Song, Changhee Lee, Ruediger Berger and Kookheon Char