

## Conference Program:

### FRIDAY, 28<sup>th</sup> AUGUST 2015

**10:00-12:30 Registration and Welcome Coffee (Lobby)**

**12:30-12:40 Opening Remarks: (Lecture Hall 6)**

Mr. Qingfu Zhu (Chair of 27th Annual Conference)

Minister Counselor (The Embassy of P.R. China in Germany)

**12:40-14:15 Session 1: Chemistry and Material Chair: Dr. Lisong Xiao**

**12:40-13:15** Invited-1. Prof. Dr. Xinliang Feng (TU Dresden)

*Recent Advances in Graphene Materials Development and Beyond*

**13:15-13:35** Oral-1. Ms. Yu Qiao (TU Dortmund University)

*Direct Air Capture: CI Resouce from the Atmosphere*

**13:35-13:55** Oral-2. Mr. Wenxin Wang (TU Ilmenau)

*Fabrication and investigation of large area Plasmonic metastructure*

**13:55-14:15** Oral-3. Ms. Jin Tong (Georg-August-University)

*Redox-Induced Mixed-Valent Single-Molecule Magnets : [2x2] Co<sub>4</sub> Grid-Type  
Complexes*

**14:15-14:20 Group Photo**

**14:20-14:35 Coffee Break**

**14:35-16:10 Session 2: Chemistry and Physics Chair: Prof. Dr. Xinliang Feng**

**14:35-15:10** Invited-2. Dr. Lisong Xiao (University of Duisburg-Essen)

*Tailored Synthesis of Nanoparticles from Gas Phase for Energy Storage  
Applications*

**15:10-15:30** Oral-4. Dr. Mingzhi Wu (GCPD)

*Magnetic Technologies in Magnetworld AG for Energy Applications*

**15:30-15:50** Oral-5. Dr. Weijun Chen (GCPD)

*25 years of GCPD, An Introduction*

**15:50-16:10** Oral-6. Dr. Guobin Jia (Leibniz Institute of Photonic Technology)  
*Silicon nanowires for photovoltaics, energy storage, high resolution imaging devices and biomedical applications*

**16:10-16:25** **Coffee Break**

**16:25-18:10** **Session 3: Chemistry and life** **Chair: Dr. Guobin Jia**

**16:25-17:00** Invited-3. Prof. Dr. Gerhard K. E. Scriba (FSU Jena)  
*Capillary Electrophoresis-Based Enzyme Assays for Methionine Sulfoxide Reductase*

**17:00-17:35** Invited-4. Prof. Dr. Wolfgang Weigand (FSU Jena)  
*From Primordial to BiO-inspired Hydrogen Production*

**17:35-17:55** Oral-7. Mr. Dongsheng He (Ludwig-Maximilians-University)  
*CargO-specific optimization of sequence defined oligo(ethanamino) amides for folate receptor targeted pDNA and siRNA delivery*

**17:55-18:10** Oral-8. Mr. Matthias Kleff (Evonik Industries)  
*Evonik Industries: Exploring opportunities growing together*

**18:10-18:40** **Poster Session (Lobby)**

**18:15-19:30** **Internal Meeting** **Chair: Dr. Jianwei Tong**

**20:00-23:00** **Banquet (Restaurant Bauersfeld, Am Planetarium 5, Jena)**

## **SATURDAY, 29<sup>th</sup> AUGUST 2015**

**09:00-10:55** **Session 4: Chemistry and Applications** **Chair: Prof. Dr. Xingxing Chen**

**09:00-09:35** Invited-5. Prof. Dr. Jürgen Popp (Leibniz Institute of Photonic Technology)  
*Clinical Raman Spectroscopy*

**09:35-09:55** Oral-9. Dr. Yuanli Ding (Max Planck Institute for Solid State Research)  
*3D nanotextiles of vanadium oxides as cathode materials for high-energy lithium ion batteries*

**09:55-10:15** Oral-10. Ms. Shuangzhou Wang (University of Cologne)

*Atomic Layer Deposition of VO<sub>x</sub> Thin Films for Resistive Switching Memory Devices*

**10:15-10:35** Oral-11. Mr. Wei Lin (Friedrich-Alexander University Erlangen-Nürnberg)  
*Interplay between Particle Surfaces and Ligand: Resolving Ligand Adsorption in Colloids on a Molecular Level*

**10:35-10:50 Coffee Break**

**10:50-11:55 Session 5: 2015 Young Researchers Award Chair: Dr. Yanze Ren**

**10:50-10:55** Dr. Yanze Ren (Chair of 2015 Young Researchers Award)  
Introduction of Young Researchers Award

**10:55-11:15** Mr. Meng Su (LMU Munich)  
*From canonical nucleoside to functional oligonucleotides*

**11:15-11:35** Mr. Min Tu (Ruhr University Bochum)  
*Metal-organic framework thin film based sensors for sensitive and selective detection of VOCs*

**11:35-11:55** Mr. Qi Zhang (TU Munich)  
*Enzyme-like Catalysis in Self-assembled Aromatic Cavities*

**11:55-12:30 Awards and Closing Remarks Dr. Jianwei Tong (Chair of GCCCD)**

**11:55-12:05** Poster Award

**12:05-12:15** Young Researchers Award

**12:15-12:30** Closing remark and acknowledgement

**12:30 Leaving**

- P1** *Accurate Quantum Chemical Modelling of the Separation of Eu<sup>3+</sup> from Am<sup>3+</sup>/Cm<sup>3+</sup> by Liquid-liquid Extraction with Cyanex272*  
Author: Xiaoyan Cao, et.al.
- P2** *A Platinum(II)-Terpyridine Derivative Tethered to a Viologen Acceptor Showing Improved Hydrogen Evolution Activity*  
Author: Shu Lin, et.al.
- P3** *Electrochemical patterning of polypyrrol films with nm-resolution*  
Author: He Liu, et.al.
- P4** *Synthesis and properties of polymeric fullerene derivatives with non-conjugated polymer backbone*  
Author: Zhang Chaohong, et.al.
- P5** *Incremental Scheme: A General Approach For Electron Correlation Computations of Large Molecules*  
Author: Zhang Jun, et.al.
- P6** *Integrated Solvent and Process Design Exemplified for a Diels-Alder Reaction*  
Author: Teng Zhou, et.al.
- P7** *Ultralong-Discharge-Time Biobattery Based on Bilayer Rolled-Up Enzymatic Nanomembrane*  
Author: Bo Liu, et.al.
- P8** *Synthesis of silicon nanoparticles and silicon/carbon nanocomposites as high performance anodes for lithium-ion batteries*  
Author: Lisong Xiao, et.al.
- P9** *Measurement of liquid film thickness, concentration and temperature of aqueous solutions of NaCl and urea by NIR absorption spectroscopy*  
Author: Rongchao Pan
- P10** *Zr (IV) and Hf (IV) Complexes Bearing the 6-(2-(Dialkylboryl)phenyl)-pyrid-2-ylamido Motif for Tandem Ring-Opening Metathesis/Vinyl-Insertion*

*Polymerization*

Author: Min Wang, et.al.

**P11**

*Photocatalytic activity for the degradation of 4-nitrophenol: From porphyrin to porphyrin@MOF*

Author: Chuanqiang Li, et.al.

**P12**

*Calorimetric Study of Miscible Polymer Blend Confined in Ultrathin Films*

Author: Huajie Yin, et.al.

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