



1st Chinese-Italian Symposium on Frontiers in Structural Chemistry of Materials

Program

Jun. 25, Thursday

Room 305, Jiayi Building

Opening	
9:00-9:15 Opening Remarks	孙庆福 Qing-Fu Sun (Fujian Institute of Research on the Structure of Matter, CAS) 钟羽武 Yuwu Zhong (Fuzhou University) Luca Catalano/GiovanniMaria Piccini (University of Modena and Reggio Emilia)
Talk Sections	
Chair	崔勇 Yong Cui (Shanghai Jiao Tong University)
9:15-9:40	金国新 Guoxin Jin (Fudan University) <i>Molecular Macrocycles, Catenanes and Knots</i>
9:40-10:05	Paolo Fornasiero (University of Trieste) <i>Beyond the Surface: A Personal Journey into Sustainable catalysis</i>
10:05-10:30	Giuseppe Cantarella (University of Modena and Reggio Emilia) <i>Next-Generation Electronics: from Materials to Sustainable Sensors and Devices</i>
10:30-10:45	Coffee Break
Chair	杨满意 Manyi Yang (Nanjing University)
10.45-11:10	Federico Rosei (University of Trieste) <i>Energy Challenges from a materials perspective</i>
11:10-11:35	孙聆东 Lingdong Sun (Peking University) <i>Multiphoton Emissions of Lanthanide Nanoparticles</i>
11:35-12:00	方煜 Yu Fang (Fujian Institute of Research on the Structure of Matter, CAS) <i>Porous Coordination Cages: Design, Synthesis, and Applications</i>

Lunch Break	
Chair	郎建平 Jianping Lang (Soochow University)
13:30-13:55	金万勤 Wanqin Jin (Nanjing Tech University) <i>Design and preparation of MOF-based membranes for molecular separation</i>
13:55-14:20	Nicola Gasparini (Imperial College London) <i>NIR and SWIR light detection: next-generation organic photodetectors for imaging and biometric applications</i>
14:20-14:45	苏纪豪 Jihao Su (Xiamen University) <i>Covalent Organic Pillars: A Family of Nanotubular Deep Cavitands</i>
Chair	陈莲 Lian Chen (Fujian Institute of Research on the Structure of Matter, CAS)
14:45-15:10	Fabio Biscarini (University of Modena and Reggio Emilia & Italian Institute of Technology) <i>The role of energy disorder on the response of Electrolyte Gated Organic Transistors</i>
15:10-15:35	赵征 Zheng Zhao (The Chinese University of Hong Kong, Shenzhen) <i>Aggregation Generates New Functions</i>
15:35-16:00	陈雄 Xiong Chen (Fuzhou University) <i>Rational design of covalent organic frameworks for efficient photocatalysis</i>
16:00-16:15	Coffee Break
Chair	杨华艳 Huayan Yang (Fujian Institute of Research on the Structure of Matter, CAS)
16:15-16:40	张华 Hua Zhang (City University of Hong Kong) <i>Phase Engineering of Nanomaterials</i>
16:40-17:05	Paolo Samorì (University of Strasbourg) <i>Interfacing functions: supramolecular chemistry enabling high-performance pressure sensors and neuromorphic computing</i>
17:05-17:30	黄伟国 Weiguo Huang (Fujian Institute of Research on the Structure of Matter, CAS) <i>Harnessing molecular isomerization in polymer gels for sequential logic encryption and anticounterfeiting</i>
Banquet	

Jun. 26, Friday

Room: 305, Jiayi Building

Chair	张金水 Jinshui Zhang (Fuzhou University)
9:00-9:25	Enrico Dalcanele (University of Parma) <i>The Supramolecular Route to Structural Materials: From Auxetics to Composites</i>
9:25-9:50	许华平 Huaping Xu (Tsinghua University) <i>Non-carbon Backbone Polytelluroxane</i>
9:50-10:15	Luca Catalano (University of Modena and Reggio Emilia) <i>Dynamics-structure-properties relations to design functional molecular crystals</i>
10:15-10:30	Coffee Break
Chair	李新雄 Xinxiong Li (Fuzhou University)
10:30-10:55	张其春 Qichun Zhang (City University of Hong Kong) <i>Towards single crystals of covalent organic polymers/frameworks</i>
10:55-11:20	Andrea Pucci (University of Pisa) <i>Harnessing Aggregation-Induced Emission: From Energy Harvesting to Responsive Polymer Systems</i>
11:20-11:45	牛海洋 Haiyang Niu (Northwestern Polytechnical University) <i>Atomistic simulations of material phase transition processes</i>
11:45-12:10	方伟慧 Weihui Fang (Fujian Institute of Research on the Structure of Matter, CAS) <i>Supramolecular Chemistry of Aluminum Molecular Rings and Their Applications in Energy Storage</i>
Lunch Break	
Chair	谢在来 Zailai Xie (Fuzhou University)
13:30-13:55	Carlo Adamo (Chimie ParisTech) <i>A Combined Quantum-Classical Protocol for Modeling Optical Responses in Mechanochromic Materials</i>
13:55-14:20	曾华强 Huaqiang Zeng (Fuzhou University) <i>Artificial Transmembrane Transporters with Novel Transport Mechanisms and Exceptional Performances</i>
14:20-14:45	Davide Donadio (University of California, Davis) <i>Materials Design, Predictive Synthesis, and Search for Extreme Transport Properties from Molecular Simulations</i>

Chair	李丽娜 Lina Li (Fujian Institute of Research on the Structure of Matter, CAS)
14:45-15:10	Gianluca Maria Farinola (University of Bari) <i>Functional materials from photosynthetic microorganisms</i>
15:10-15:35	Alfonso Pedone (University of Modena and Reggio Emilia) <i>Challenges in Atomistic Simulations of Glasses and Amorphous Materials</i>
15:35-16:00	韩丽丽 Lili Han (Fujian Institute of Research on the Structure of Matter, CAS) <i>Study of Nanocatalysts' 3D microstructures</i>
16:00-16:15	Coffee Break
Chair	王观娥 Guan-E Wang (Fujian Institute of Research on the Structure of Matter, CAS)
16:15-16:40	谷志刚 Zhi-Gang Gu (Fujian Institute of Research on the Structure of Matter, CAS) <i>Chiral Optical MOF Thin Films</i>
16:40-17:05	GiovanniMaria Piccini (University of Modena and Reggio Emilia) <i>Beyond Intuition: Dynamic Data-Driven Exploration of Catalytic Reactivity with Chemical Accuracy</i>
17:05-17:30	方元行 Yuanxing Fang (Fuzhou university) <i>Design of a Multilayered Photoanode for Oxidative Organosynthesis</i>
17:30-17:55	张维伟 Weiwei Zhang (East China University of Science and Technology) <i>Crystalline Organic Photocatalysts for Solar Fuel Generation</i>
Closing	
17:55 Closing Remarks	Speakers from FJIRSM and Italy

