



Chinese Journal of Structural Chemistry

International Symposium on Structural Chemistry

Symposium Guide

Fuzhou / Fujian

29th December 2024

Meeting Schedule

Chinese Journal of Structural Chemistry



29 th December 2024 (Sunday)		
Time	Presenter	Session chair
9:30-11:40	Discussion on Journal Development	Tianhua Zhou
Lunch		
14:30-14:40	Opening	Jian Zhang
14:40-15:05	Prof. Xiaodong Chen (Nanyang Technological University) Wrapping Bio-interfaced Electronics	Hua Zhang
15:05-15:30	Prof. Xingyi Ling (Nanyang Technological University) AI and SERS for Next-Gen Sensing	
15:30-15:55	Prof. Qingyu Yan (Nanyang Technological University) Electrocatalytic Nitrogen Fixation	
15:55-16:05	Coffee Break	
16:05-16:30	Prof. Hua Zhang (City University of Hong Kong) Phase Engineering of Nanomaterials (PEN)	Qingyu Yan
16:30-16:55	Prof. Qichun Zhang (City University of Hong Kong) Roadmap towards Single Crystals of Covalent Organic Polymers/Frameworks	
16:55-17:20	Prof. Shuzhou Li (Nanyang Technological University) Electroreduction Reaction Mechanism of Metal-nitrogen- Carbon Catalysis through Numerical Simulation	
17:20-17:45	Dr. Guohua Jia (Curtin University) Anisotropic Semiconductor Nanocrystal Quantum Dots: From Syntheses to Properties and Applications	
Dinner		

➤ Meeting Instructions

Meeting Time

29th December 2024

Meeting Address

Room 305, Jiayi Building

Contact Us

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Prof. Xiaodong Chen holds the President's Chair Professorship in Materials Science and Engineering at Nanyang Technological University (NTU), Singapore, with courtesy appointments in both Chemistry and Medicine. His research interests span mechanomaterials science and engineering, flexible electronics technology, sense digitalization, cyber-human interfaces and systems, and carbon-negative technology. Prof. Chen's outstanding scientific contributions have been recognized with numerous awards, including the Singapore President's Science Award, Singapore National Research Foundation (NRF) Investigatorship and NRF Fellowship, the Friedrich Wilhelm Bessel Research Award, Dan Maydan Prize in Nanoscience and Nanotechnology, Winner of Falling Walls, and Kabiller Young Investigator. He is an elected member of the Singapore National Academy of Science, the Academy of Engineering Singapore, and the German National Academy of Sciences Leopoldina, and an elected fellow of the Royal Society of Chemistry, the Chinese Chemical Society, and American Institute for Medical and Biological Engineering (AIMBE). Prof. Chen also serves on the editorial advisory boards of numerous esteemed international journals, including *Advanced Materials*, *Small*, and *Nanoscale Horizons*. Currently, he is the Editor-in-Chief of *ACS Nano*, a flagship journal in nanoscience and nanotechnology.



Prof. Qingyu Yan is currently a professor in School of Materials Science and Engineering in Nanyang Technology University. He obtained his BS in Materials Science and Engineering, Nanjing University. He finished his PhD from Materials Science and Engineering Department of State University of New York at Stony Brook. After that, He joined the Materials Science and Engineering Department of Rensselaer Polytechnic Institute as a postdoctoral research associate. He joined School of Materials Science and Engineering of Nanyang Technological University as an assistant professor in early 2008 and became a Professor in 2018. His research is mainly focused on the area: (1) battery development; (2) electronic waste recycling, (3) thermoelectric materials and (4) electrocatalytic process for energy conversion.



Dr. Shuzhou Li received his B.Sc, M.Sc, and PhD in chemistry from Nankai University, Peking University, and University of Wisconsin, respectively. After working as a postdoc in Northwestern University, he joined in Nanyang Technological University. Currently, he is an associate professor in school of materials science and engineering and his research interests are theoretical and computational material science. He has been focused on (1) Heterogeneous Catalysis; (2) Artificial Intelligence for Materials Discovery; (3) Flexible Electronics.



Dr. Qichun Zhang received his B.S. at Nanjing University in China in 1992, MS in physical organic chemistry (organic solid lab) at Institute of Chemistry, Chinese Academy of Sciences in 1998, MS in organic chemistry at University of California, Los Angeles (USA, 2003), and completed his Ph.D. in chemistry at University of California Riverside in 2007. Then, he joined Prof. Kanatzidis' group at Northwestern University as a Postdoctoral Fellow (Oct. 2007–Dec. 2008). Since Jan. 2009, he joined School of Materials Science and Engineering at Nanyang Technological University (NTU, Singapore) as an Assistant Professor. On Mar 1st, 2014, he has promoted to Associate Professor with tenure. On Sep 1st 2020, he moved to Department of Materials Science and Engineering at City University of Hong Kong as a full professor. Currently, he is an associate editor of *J. Solid State Chemistry & Susmat*, the International Advisory Board member of *Chemistry – An Asian Journal*, the Advisory Board member of *Journal of Materials Chemistry C*, the Advisory Board member of *Materials Chemistry Frontiers*, the Advisory Board member of *Inorganic Chemistry Frontiers*, the Advisory Board member of *Aggerate*, the Advisory Board member of *Materials Advances*, and the Advisory Board member of *Science Chinese Materials* and *Small Structures*. Also, he is Guest Editors of *CCS Chemistry (2020-2021)*, *Advanced Materials (2020-2021)*, *J. Mater. Chem. C (2020-2021, 2017-2018)*, *Mater. Chem. Front. (2019-2020)*, *Inorganic Chemistry Frontiers (2016-2017, 2017-2018)*. From 2018 to 2024, he has been recognized as one of highly-cited researchers in *Clarivate Analytics*. He is a fellow of the Royal Society of Chemistry. Currently, his research focuses on carbon-rich conjugated materials and their applications. Till now, he has published > 565 papers and 20 patents (H-index: 117).



Prof. Xingyi Ling is a Professor in Chemistry from Nanyang Technological University, Singapore and the Editor-in-Chief of the *ACS Applied Materials & Interfaces* and *Applied Materials portfolio journals*. She received her Ph.D. degree in Chemistry from University of Twente, the Netherlands, and her postdoctoral research at the University of California, Berkeley. She is the Fellow of The Royal Society of Chemistry, and received Singapore National Research Foundation Investigatorship, Nanyang Award for Innovation & Entrepreneurship, L' ORÉAL Singapore for Women in Science National Fellowship, Singapore National Research Foundation Fellowship, IUPAC Prize for Young Chemists, etc. In January 2024, Xingyi assumed the Editor-in-Chief position of the *ACS Applied Materials & Interfaces* and *Applied Materials portfolio journals*, a family of eight journals focused on materials, interfacial processes, and their applications. She is in the editorial boards of *Angewandte Chemie*, *Chemistry of Materials*, *Nanoscale Horizons*, *Cell Reports Physical Science*, *ChemPlusChem*. Her research focuses in using nanotechnology for fundamental studies and applications in environmental, healthcare, and catalysis fields. In particular, she is interested in self-assembling shape-controlled noble metal nanoparticles into superlattices to impart new structure-to-function properties and applications in surface-enhanced Raman scattering (SERS).



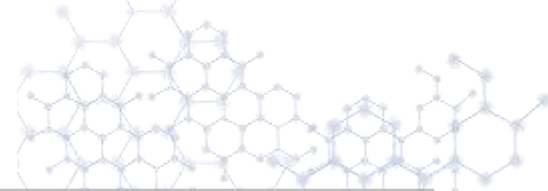
Dr. Hua Zhang obtained his B.S. and M.S. degrees at Nanjing University in China in 1992 and 1995, respectively, and completed his Ph.D. with Prof. Zhongfan Liu at Peking University in China in July 1998. He joined Prof. Frans C. De Schryver's group at Katholieke Universiteit Leuven (KULeuven) in Belgium as a Research Associate in January 1999. Then he moved to Prof. Chad A. Mirkin's group at Northwestern University as a Postdoctoral Fellow in July 2001. He started to work at NanoInk Inc. (USA) as a Research Scientist/Chemist in August 2003. After that, he worked as a Senior Research Scientist at Institute of Bioengineering and Nanotechnology in Singapore from November 2005 to July 2006. Then he joined the School of Materials Science and Engineering in Nanyang Technological University (NTU) as an Assistant Professor. He was promoted to a tenured Associate Professor on March 1, 2011, and Full Professor on Sept. 1, 2013. In 2019, he joined the Department of Chemistry in City University of Hong Kong as a Chair Professor, and currently he is the Herman Hu Chair Professor of Nanomaterials and the Director of Hong Kong Institute for Clean Energy. He has published 8 invited book chapters, over 100 patent applications and over 570 papers. Some of his papers have been published in *Nature*, *Science*, etc. As at Dec. 2024, the total cited times are over 135,000 with H-index of 182 (Web of Science), and over 153,900 with H-index of 193 (Google Scholar). He has been invited to give more than 300 Plenary, Keynote or Invited Talks in international conferences, universities and institutes. He has organized several tens of international conferences and served as the Conference (Co-)Chair or Symposium Chair. He is the co-Editor-in-Chief of *SmartMat* and co-Chairman of the Editorial Board of *ChemNanoMat*, and sits on the Advisory Board of *Chemical Society Reviews*, *Aggregate*, etc.

In 2020, he was elected as a Foreign Fellow of the European Academy of Sciences. In 2015, he was elected as an Academician of the Asia Pacific Academy of Materials. In 2014, he was elected as a Fellow of the Royal Society of Chemistry. He was listed in the "Highly Cited Researchers" in Materials Science, in Chemistry, and in Environment and Ecology. In 2015, he was listed as one of 19 "Hottest Researchers of Today" in the world in the World's Most Influential Scientific Minds 2015. In 2014, he was listed as one of 17 "Hottest Researchers of Today" and No. 1 in Materials and More in the world in the World's Most Influential Scientific Minds 2014. Moreover, he also received the Croucher Senior Research Fellowship (2025, Croucher Foundation, Hong Kong), BOCHK Science and Technology Innovation Prize (2024, Hong Kong Alliance of Technology and Innovation), IUMRS-Frontier Materials Scientists Award (2023, IUMRS-ICFM), EcoMat Mid-Career Research Award (2023, Wiley-VCH), Outstanding Research Award (2022, City University of Hong Kong), President's Award (2021, City University of Hong Kong), Young Investigator Award (Young Giants of Nanoscience 2016, Hong Kong), Vice-Chancellor's International Scholar Award (University of Wollongong, Australia, 2016), ACS Nano Lectureship Award (2015), World Cultural Council (WCC) Special Recognition Award (2013), the ONASSIS Foundation Lectureship (Greece, 2013), Asian Rising Stars (15th Asian Chemical Congress, 2013), SMALL Young Innovator Award (Wiley-VCH, 2012) and Nanyang Award for Research Excellence (2011).

His research is highly interdisciplinary. His current research interests focus on phase engineering of nanomaterials and controlled epitaxial growth of heterostructures, including the synthesis of ultrathin two-dimensional nanomaterials (e.g., metal nanosheets, graphene, metal dichalcogenides, metal-organic frameworks, covalent organic frameworks, etc.), novel metallic and semiconducting nanomaterials, novel amorphous nanomaterials, and their hybrid composites for various applications, such as catalysis, clean energy, (opto-)electronic devices, chemical and biosensors, and water remediation.



Dr. Guohua Jia is an Associate Professor and an Australian Research Council (ARC) Future Fellow in the School of Molecular and Life Sciences at Curtin University. His research mainly focuses on the chemistry and physics of colloidal nanocrystals, with particular emphasis on their shape-dependent properties and applications in lighting and displays, catalysis, solar energy harvesting and storage. He is an elected Fellow of the Royal Australian Chemical Institute (FRACI) and serves as the Chair of the Royal Australian Chemical Institute (RACI) Materials Chemistry Division. He is the Editor of *Materials & Design (Elsevier)*, *Materials Today Chemistry (Elsevier)* and *Journal of Information Display (Taylor & Francis)*, and an advisory board member of *Chinese Journal of Structural Chemistry (Elsevier)*, *Nanoscale* and *Nanoscale Advances (RSC)*.





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