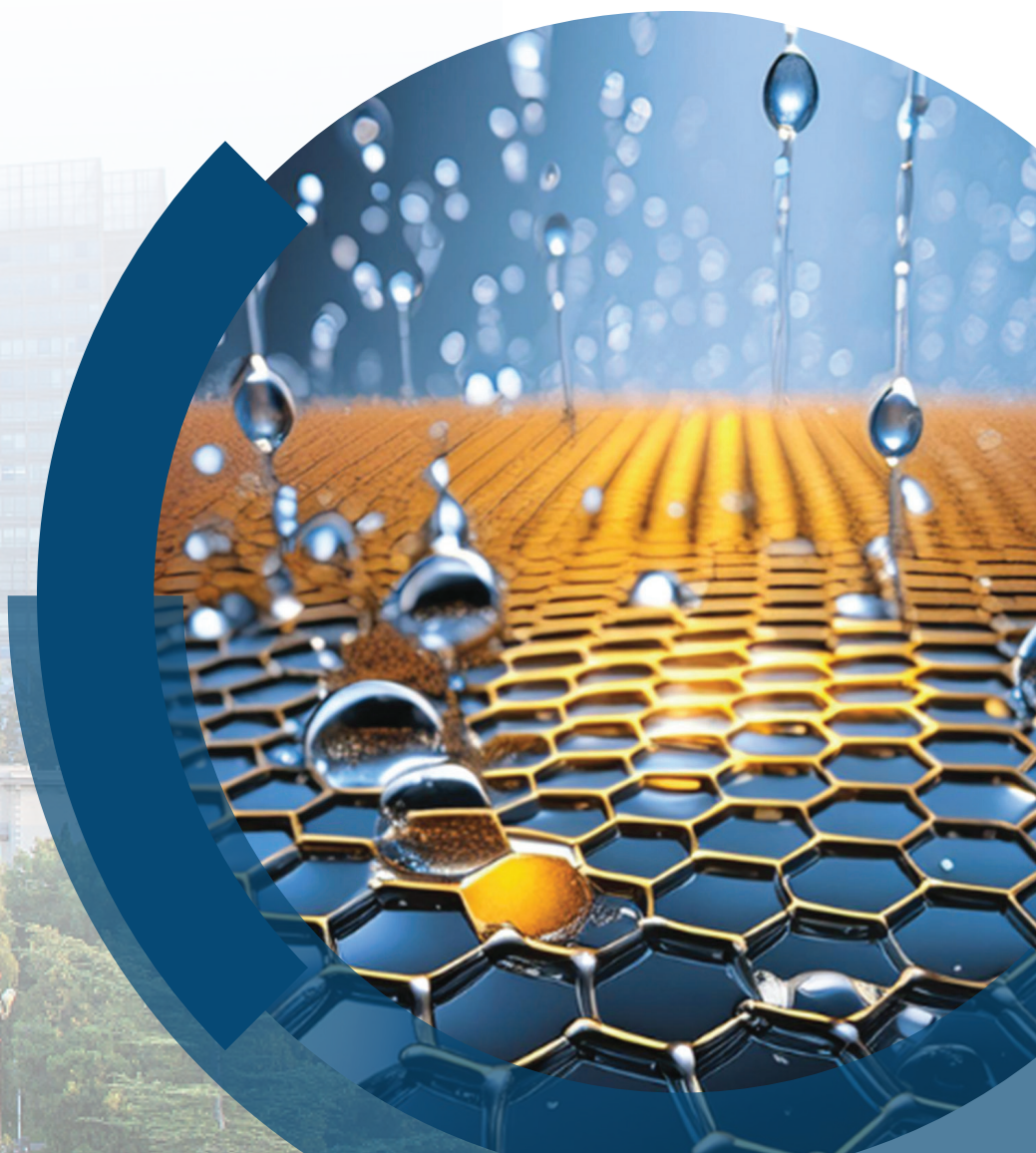


Nanoscale & Nanoscale Advances Symposium:
**Advanced Interdisciplinary
Nanoscience**

20 September 2024

University of Science and Technology Beijing

**Program
booklet**



Welcome Address

Dear guests, colleagues, and participants,

A warm welcome to the *Nanoscale* & *Nanoscale Advances* Symposium at the University of Science & Technology Beijing graciously hosted by our Editor-in-Chief Professor Yue Zhang.

Nanoscale is a collaborative venture between the Royal Society of Chemistry Publishing and the National Center for Nanoscience and Technology (NCNST). Since its launch in late 2009, the journal quickly established itself as a platform for high-quality, cross-community research that helps bridge the various disciplines involved with nanoscience and nanotechnology, publishing important research from leading international research groups. Following the success of *Nanoscale*, the *Nanoscale* family of journals expanded in 2018 with *Nanoscale Advances*, a gold open access journal that extended the Royal Society of Chemistry's role in the broad nanoscience community, providing a home for quality and important work that advances the existing literature.

The subject of this symposium 'Advanced Interdisciplinary Nanoscience', and this embodies the wide range of research that is published across the journals, the breadth of scientific expertise and experience represented by our Editorial Board, and the role the journals aim to play within the scientific community – acting as platforms to bring advanced nanoscience research to a broad cross-section of researchers from the multitude of disciplines that border on nanoscience and nanotechnology.

The symposium offers a forum for the journal's vibrant scientific community to convene, share their latest discoveries and celebrate. We are looking forward to an excellent line-up of distinguished speakers who encapsulate the essence of *Nanoscale* & *Nanoscale Advances* and whose research has inspired us to push the boundaries of what is possible in nanoscience and nanotechnology. We are delighted to be able to include a number of early career researchers in the programme and we very much look forward to your contributions. We would like to express our heartfelt gratitude to our esteemed speakers, session chairs, Editorial Board and organisers for their unwavering support in making this event a reality. Without your dedication, this symposium would not have been possible.

Once again, we warmly welcome you to the *Nanoscale* & *Nanoscale Advances* Symposium. We encourage all of you to engage in the discussions, forge new connections, and seek inspiration from the diverse perspectives represented here, and wish you a productive, inspiring and memorable experience.



Professor Yue Zhang

University of Science and
Technology Beijing, China



Professor Dirk Guldi

Friedrich-Alexander-
Universität Erlangen-
Nürnberg, Germany



Dr Heather Montgomery

Royal Society of
Chemistry, UK



Dr Jeremy Allen

Royal Society of
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**Nanoscale & Nanoscale Advances Symposium:
Advanced Interdisciplinary Nanoscience**

北京科技大学 学术报告厅

Programme Agenda

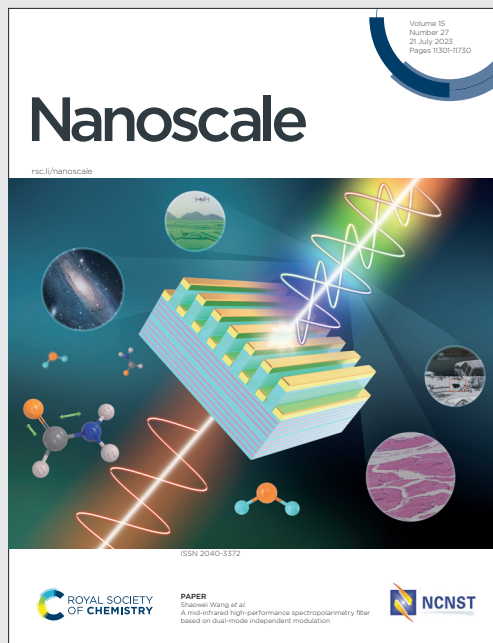
20 September 2024

| Time | Event | Session Chair |
|-------|---|------------------------------|
| 08:30 | Welcome | Qing Dai, Janet Macdonald |
| 08:45 | Jin Zhang , Peking University, China CVD Growth of SWNT with Controlled Structures | |
| 09:15 | Zhiyong Tang , National Center for Nanoscience and Technology, China Self-assembled Supraparticles for Electrocatalysis | |
| 09:45 | Nguyễn T. K. Thanh , University College London, UK Plasmonic and Magnetic Nanoparticles for Biomedical Applications | |
| 10:15 | Dirk Guld i, Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany Adaptive Down- and Up-Conversion | |
| 10:45 | Refreshment break | |
| 11:00 | Dong Ha Kim , Ewha Womans University, Korea Chiral Hybrid Nanostructures via Precision Molecular Engineering and Block Copolymer Supramolecular Self-Assembly | Christian Klinke |
| 11:30 | Zhiqun Lin , National University of Singapore Designer Polymer-ligated Nanocrystals: from Energy Conversion and Storage to Self-Assembly and Beyond | |
| 12:00 | Xun Wang , Tsinghua University, China Sub-1nm Materials Chemistry | |
| 12:30 | Lunch break and lab tour | |
| 13:45 | Yang Shen , Tsinghua University, China Modulating the Topology of Inorganic Nanofillers in Polymers for High Electrocaloric and Piezoelectric Performances | Jin Zou, Renzhi Ma |
| 14:15 | Umesh Waghmare , Jawaharlal Nehru Centre for Advanced Scientific Research, India Sensing Vibrations using Quantum Geometry of Electrons | |
| 14:45 | Quan Li , Chinese University of Hong Kong, China <i>In operando</i> Nano-thermometry using Nanodiamond in Electrochemical Devices | |
| 15:15 | Yandong Wang , University of Science and Technology Beijing, China Metallic Rubbers | |
| 15:45 | Refreshment break | |

Programme Agenda

20 September 2024

| Time | Event | Session Chair |
|-------|---|-------------------------------------|
| 16:00 | Jianxin Kang , Beihang University, China Unsaturated Amorphous Nanocatalysts | Manzhou Zhu, Jinlan Wang |
| 16:25 | Zhuojian Liang , University of Science and Technology Beijing, China Suppressing Singlet Oxygen Generation in Lithium–oxygen Batteries with Redox Mediators | |
| 16:40 | Yang He , University of Science and Technology Beijing, China Abnormal Transformation Behaviours Unlocked by Crystal Size | |
| 16:55 | Qipeng Lu , University of Science and Technology Beijing, China Preparation of Noble Metal-Based Intermetallic Compounds for Energy Catalysis | |
| 17:10 | Meet the Editors | Heather Montgomery, Jeremy Allen |
| 17:40 | Closing Remarks | |



2-年影响因子*: **5.8**
 5-年影响因子*: **6.1**
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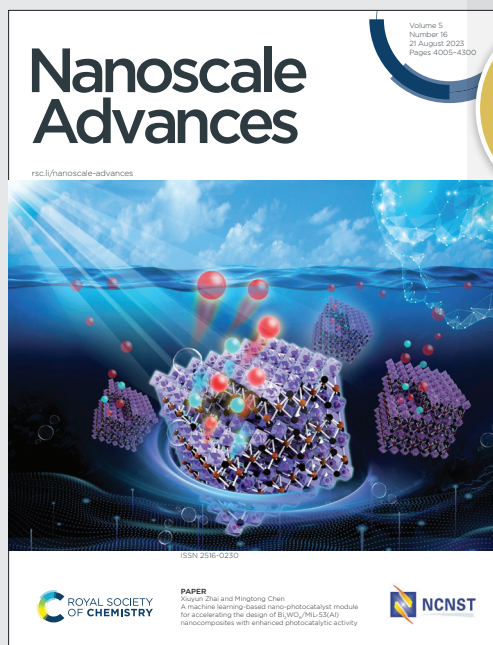
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