

ICMAT 2023 Satellite Workshop on Advanced Scanning Probe Methods (ICMAT-ASPM)

Friday 30th June 2023, Nanyang Technological University (NTU), Singapore

ICMAT-ASPM aims to bring together local and international experts in advanced scanning probe microscopy with focus on the characterization and control of quantum matter at atomic length-scales.

ICMAT-ASPM covers the following key areas, with relevance to future spintronics and quantum technologies:

- Atomic manipulation and atomic-scale lithography
- Properties of topological and/or strongly correlated quantum matter
- Properties of atomic-scale magnetic structures
- Characterization and control of unconventional superconductivity
- Coherent control of spins at the atomic-scale

Confirmed Speakers

- Prof Ralph Clasessen (Würzburg University)
- Prof Michael S. Fuhrer (Monash University)
- Prof Hongjun Gao (Chinese Academy of Sciences)
- Prof Yukio Hasegawa (University of Tokyo)
- Prof Jelena Klinovaja (University of Basel)
- Prof Vidya Madhavan (University of Illinois)
- Prof Sven Rogge (UNSW)
- Prof Michelle Simmons (UNSW)
- and more ...

ICMAT-ASPM is organized in celebration of NTU's ultra-low vibration (ULV) laboratory for scanning tunneling microscopy at milliKelvin temperature (mK-STM).



**NANYANG
TECHNOLOGICAL
UNIVERSITY**
SINGAPORE

Institute of Advanced Studies

IAS @ NTU Plenary Lectures:

Prof Roland Wiesendanger
(University of Hamburg)

"From spin-resolved atomic-resolution imaging to magnetic materials and devices by design"



Prof Vidya Madhavan
(University of Illinois)

"Tunneling spin polarized electrons from nanowires of the topological Kondo insulator SmB₆"



Venue School of Physical and Mathematical Sciences (SPMS) (Lecture Theatre LT1)
21 Nanyang Link,
Nanyang Technological University

Registration (please click on the [links](#) below)

	General	Student
Non-delegate	S\$ 216	S\$ 108
ICMAT delegate	S\$ 108	S\$ 54

or visit: www.icmat2023.mrs.org.sg

Supporters



TANG'S ENGINEERING PTE LTD

LSP Consultants Pte Ltd
Vibration and Acoustics Engineers



Organized by



**NANYANG
TECHNOLOGICAL
UNIVERSITY**
SINGAPORE

MRS
Materials Research Society
SINGAPORE

Contact

Asst/Prof Bent WEBER
School of Physical and Mathematical Sciences
Nanyang Technological University
Email: b.weber@ntu.edu.sg