

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

# Friday 30<sup>th</sup> 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 ultralow vibration (ULV) laboratory for scanning tunneling microscopy at milliKelvin temperature (mK-STM).



Institute of Advanced Studies

#### IAS @ NTU Plenary Lectures:

Prof Roland Wiesendanger (University of Hamburg)

"From spin-resolved atomicresolution 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 SmB<sub>6</sub>"



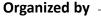
Venue School of Physical and Mathematical Sciences (SPMS) (Lecture Theatre LT1) 21 Nanyang Link, Nanyang Technological University

## Registration (please click on the links below)

	General	Student
Non-delegate	<u>S\$ 216</u>	<u>S\$ 108</u>
ICMAT delegate	<u>S\$ 108</u>	<u>S\$ 54</u>

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









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