

QUANTUM PHENOMENA IN MATTERS 2026

QPM2026 WORKSHOP PROGRAM & DETAILED SCHEDULE

DATES: November 1–2, 2026 | LOCATION: Suranaree University of Technology (SUT) & SLRI, Thailand

Following the Thai School of Quantum Computing (TSQC), the QPM2026 Workshop brings together distinguished researchers and students for focused lectures on cutting-edge quantum phenomena, novel materials, quantum computing, and advanced synchrotron techniques.

DAY 1: SUNDAY, NOV. 1, 2026		VENUE: QTRic Seminar Room, Surapat 3 Building, SUT
TIME	SESSION / LECTURE TOPIC	LECTURER & AFFILIATION
09:30 – 10:00	Opening Remarks & Welcome Address	Organizing Committee SUT, QTRic & APCTP
10:00 – 11:00	Lecture on Electronic Structure of Advanced Materials and Altermagnetism	Changyoung Kim Seoul National University, Korea
11:00 – 12:00	Lecture on Superconducting Qubit and Spintronics	Salinporn Kittiwatanakul Chulalongkorn University, Thailand
12:00 – 13:00	Lunch Break & Research Networking	Catering at Surapat 3 Building
13:00 – 14:00	Lecture on Superconductivity	Michael Smith Suranaree University of Technology
14:00 – 15:00	Lecture on Spintronics and Spin Seebeck Effect	Poramed Wongjom Thammasat University, Thailand
15:00 – 16:00	Lecture on Battery Chemistry	Suwit Suthirakun Suranaree University of Technology
16:00 – 17:00	Lecture on Quantum Phenomena in 2D Materials	Worawat Meevasana Suranaree University of Technology

DAY 2: MONDAY, NOV. 2, 2026		VENUES: Synchrotron Light Research Institute (SLRI) & SUT
TIME	SESSION / ACTIVITY & VENUE	DETAILS / LECTURER
09:00 – 12:00 MORNING SESSION	Tour of Research Facility at SLRI & Lecture on Synchrotron Techniques Venue: Synchrotron Light Research Institute (SLRI), Nakhon Ratchasima	SLRI Research Facility Tour Synchrotron beamlines, ARPES stations & advanced materials characterization
12:00 – 13:00	Lunch Break & Transit to SUT Campus	Lunch & Return to Surapat 3 Building
13:00 – 14:00	Lecture on NV-Center Qubit and Sensing Venue: QTRic Seminar Room, Surapat 3 Bldg, SUT	Sorawis Sangtaweasin Suranaree University of Technology
14:00 – 15:00	Lecture on Quantum Chemistry Computing Venue: QTRic Seminar Room, Surapat 3 Bldg, SUT	Mohammad Haidar CEO of WYW Quantum (TBC)

■ SLRI SYNCHROTRON RESEARCH FACILITY TOUR

Participants will explore the advanced synchrotron radiation research facilities at the Synchrotron Light Research Institute (SLRI). The guided visit includes specialized beamline stations for Angle-Resolved Photoemission Spectroscopy (ARPES), X-ray absorption spectroscopy, and quantum materials characterization.

■ VENUE & LOGISTICS SUMMARY

- Day 1 (Nov. 1): QTRic Seminar Room, Surapat 3 Building, SUT Campus
- Day 2 Morning (Nov. 2): Synchrotron Light Research Institute (SLRI)
- Day 2 Afternoon (Nov. 2): QTRic Seminar Room, Surapat 3 Building, SUT
- Student Admission: Free of charge for all students (Limited to 30 seats)

WORKSHOP CORE TOPICS: Superconducting & NV-center Qubits • ARPES & Condensed Matter • Altermagnetism • Spintronics • Spin Seebeck • Superconductivity • Battery Chemistry • Quantum Computing

FREE OF CHARGE FOR ALL STUDENTS • LIMITED TO 30 PARTICIPANTS

Organized by SUT School of Physics in partnership with QTRic & APCTP | Contact: worawat@g.sut.ac.th