

Michigan Quantum Science and Technology Workshop Schedule

Thursday, April 11

Note: Location for all speaker presentations will be the Terrace Ballroom, Graduate Hotel, 3rd Floor

1:00 pm – 1:15 pm	Welcome: Dr. Steven Cundiff, Harrison M. Randall Collegiate Professor of Physics, University of Michigan
	Session I: Presider, Steven Cundiff
1:15 pm – 2:00 pm	Dr. Michael Raymer, Knight Professor of Liberal Arts and Sciences, Professor of Physics, University of Oregon, Center for Optical Molecular and Quantum Science Topic: <i>National Quantum Initiative</i>
2:00 pm – 2:30 pm	Dr. Rachel Goldman, Professor of Materials Science and Engineering, University of Michigan Topic: <i>Quantum Materials Synthesis</i>
2:30 pm – 3:00 pm	Break
	Session II: Presider, Alex Kuzmich
3:00 pm – 3:30 pm	Dr. Daniel J. Gauthier, Professor of Physics, Ohio State University Topic: <i>Some Thoughts on Opportunities in Quantum Communication and Sensing</i>
3:30 pm – 4:00 pm	Dr. Mackillo Kira, Professor, Electrical Engineering and Computer Science, University of Michigan Topic: <i>Quantum Theory, Computations, and Algorithms</i>
4:00 pm – 5:30 pm	Poster Session and Reception Regency Ballroom, Graduate Hotel, 2 nd Floor

Friday, April 12

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	Session III: Presider, Ted Goodson
9:00 am – 9:30 am	Dr. Peter Littlewood, Professor of Physics, University of Chicago Topic: <i>Quantum Systems with Strong Light-matter Coupling</i>
9:30 am – 10:00 am	Dr. Lu Li, Professor of Physics, University of Michigan Topic: <i>Correlated and Topological Quantum Systems</i>
10:00 am – 10:30 am	Dr. Eitan Geva, Professor of Chemistry, University of Michigan Topic: <i>Quantum Science of Chemical and Biological Systems</i>
10:30 am – 11:00 am	Break

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	Session IV: Presider, Zetian Mi
11:00 am – 11:30 am	Dr. Tony Heinz, Professor of Applied Physics and Photon Science at Stanford University, Director of the Chemical Sciences Division at the SLAC National Accelerator Laboratory Topic: <i>Optical Excitations in 2D Semiconductors and Heterostructures</i>
11:30 am – 12:00 pm	Dr. Hui Deng, Professor of Physics, University of Michigan Topic: <i>Spectroscopy</i>
12:00 pm – 12:30 pm	Dr. Ted Norris, Gérard A. Mourou Professor of Electrical Engineering and Computer Science, University of Michigan Topic: <i>Quantum Optics & Photonics</i>
12:30 pm – 2:00pm	Lunch Regency Ballroom, Graduate Hotel, 2 nd Floor
	Session V: Presider, John Schotland
2:00 pm – 2:30 pm	Dr. Sophia Economou, Professor of Physics, Virginia Tech Topic: <i>Toward the Next Quantum Revolution: Status, Challenges, and Opportunities</i>
2:30 pm – 3:00 pm	Dr. Chris Greene, Albert Overhauser Distinguished Professor of Physics and Astronomy, Purdue University Topic: <i>Peculiar Corners of Hilbert Space Where Strange States Lie</i>
3:00 pm to 3:30 pm	Break
	Session VI: Presider, Mackillo Kira
3:30 pm to 4:00 pm	Dr. Igor Markov, Facebook Topic: <i>Navigating the Landscape of Quantum Computing Research</i>
4:00 pm – 4:30 pm	Dr. Johannes Pollanen, Jerry Cowen Chair of Experimental Physics and Professor, Michigan State University Topic: <i>Hybrid Quantum Systems Based on Electrons on Helium and Superconducting Qubits</i>
4:30 pm – 4:45pm	Closing Remarks: Dr. Mackillo Kira