

QSaP 2023 Talk Schedule

Date	Time	Activity	Speaker	Location
Friday, October 6: Welcome from Purdue Quantum				
Friday	4:30 - 6:30 pm	Check-in: <i>Pizza & Posters</i>		Leighty Commons
Friday, October 6: Electronic Structure				
Friday	6:30 - 6:45 pm	Welcome and opening remarks		WTHR 200
Friday	6:45 to 7:30 pm	<i>Introduction to Electronic Structure</i>	Adam Wasserman	WTHR 200
Friday	7:30 - 7:50 pm	TBA	Gerhard Klimeck	WTHR 200
Friday	7:50 - 8:10 pm	<i>The Era of Digital Discovery of Reactions</i>	Brett Savoie	WTHR 200
Friday	8:10 - 8:30 pm	<i>Deciphering energy transfer in photosynthesis with multiscale molecular modeling</i>	Lyudmila Slipchenko	WTHR 200
Saturday, October 7: Quantum Dynamics & Open Quantum Systems				
Saturday	9 - 9:45 am	Introduction to Quantum Dynamics	Mike Reppert	WALC 1018
Saturday	9:45 - 10:05 am	<i>Quantum Simulation Using Superconducting Circuits</i>	Alex Ruichao Ma	WALC 1018
Saturday	10:05 - 10:25 am	<i>Attosecond spectroscopy and its application in materials science</i>	Hanzhe Liu	WALC 1018
Saturday	10:30 - 10:45 am	Coffee Break		
Saturday, October 7: Quantum Computing & Quantum Information				
Saturday	10:45 - 11:30 am	<i>Introduction to Quantum Information</i>	Sabre Kais	WALC 1018
Saturday	11:30 - 11:50 am	TBA	Arnab Banerjee	WALC 1018

Saturday	11:50 - 12:10 pm	<i>Topologically protected quantum computation</i>	Jukka Vayrynen	WALC 1018
Saturday	12:15 - 2 pm	Lunch Break		
Saturday, October 7: Core Skills Breakout Sessions				
Saturday	2 - 4 pm	<i>Qiskit</i>	Manas Sajjan	WALC 1018
Saturday	2 - 4 pm	<i>A visual introduction to quantum optics</i>	Christian Lange	WALC 1087
Saturday	2 - 4 pm	<i>When geometry meets physics: design the C60 molecule!</i>	Laimei Nie	WALC 1132
Saturday	2 - 4 pm	<i>Quantum Games</i>	Valentin Walther	WALC B074
Saturday	4 - 5 pm	Free Time		
Saturday	5 - 7 pm	Poster Session - <i>Purdue Quantum at a Glance</i>		WALC 3087
Sunday, October 8: Quantum Materials				
Sunday	9 - 9:45 am	<i>Exploring the Diverse World of Quantum Materials</i>	Libai Huang	WALC 1018
Sunday	9:45 - 10:05 am	<i>Quantum sensing with spin qubits in 2D and 1D materials</i>	Tongcang Li	WALC 1018
Sunday	10:05 - 10:25 am	<i>Picophotonics</i>	Zubin Jacob	WALC 1018
Sunday	10:30 - 10:45 am	Coffee Break		
Sunday, October 8: Quantum Optics				
Sunday	10:45 - 11:30 am	<i>Introduction to Quantum Optics</i>	Valentin Walther	WALC 1018
Sunday	11:30 - 11:50 am	<i>Chilling with Light: Exploring the Cool Science of Laser Cooling</i>	Hadiseh Alaeian	WALC 1018
Sunday	11:50 - 12:10 pm	<i>Collective effects when photons interact with many atoms</i>	Francis Robicheaux	WALC 1018