

# System Model H1 Training Sessions Agenda

Day	Session	Time	Topic	Speaker
May 22	Welcome and Introductions	9:30 - 9:40 AM	Welcome & Introductions	Dr. Jenni Strabley, Sr. Director Offering Management, Quantinuum
	H-Series Overview	9:40 - 10:20 AM	Introduction to H-Series Hardware	Dr. Nate Burdick, R&D Manager, Commercial Operations, Quantinuum
	User Community & Support	10:20 - 10:35 AM	Overview of H-Series User Community & Support	Megan Kohagen, Offering Management Lead, Quantinuum
	Quantum Computing	10:35 - 11:30 AM	Introduction to Quantum Computing with TKET	Callum Macpherson, Outreach Officer, Quantinuum
	Lunch	11:30 AM - 1:00 PM		
	Quantum Computing	1:00 - 1:30 PM	Quantinuum Nexus: Quantum Cloud Overview	Sam White, Product Lead & John Children, Lead Software Engineer, Quantinuum
	Hands-On	1:30 - 2:30 PM	Building and Understanding Quantum Circuits with TKET	Callum Macpherson, Outreach Officer, Quantinuum
	Break	2:30 - 2:45 PM		
	Hands-On	2:45 - 3:45 PM	Converting an HPC Use Case to run on H-Series quantum computers	Dr. Kentaro Yamamoto, Sr. Research Scientist, Quantinuum
	Closing Remarks	3:45 - 3:55 PM	Closing remarks	
May 23	Welcome and Introductions	9:30 - 9:40 AM	Introductory Remarks	Dr. Tatsuo Hatsuda, Program Director, RIKEN iTHEMS
	H-Series Overview	9:40 - 10:00 AM	H-Series Features for Applications	Dr. Nate Burdick, R&D Manager, Commercial Operations, Quantinuum
	Invited Talk	10:00 - 10:40 AM	First-principles calculation of strong-field and attosecond science	Dr. Kenichi Ishikawa, Professor, Department of Nuclear Engineering and Management, Graduate School of Engineering, The University of Tokyo
	Invited Talk	10:40 - 11:20 AM	The Shortest Route to Physical Quantum Advantage	Dr. Henrik Dreyer, Scientific Lead & Managing Director (Germany), Quantinuum
	Break	11:20 - 11:30 AM		
	Use Case/Hands-on	11:30 - 12:15 PM	Quantum Dynamics Use Case: Finding the Quantum-Crossover point in (Ising Model) Thermalisation	Dr. Henrik Dreyer, Scientific Lead & Managing Director (Germany), Quantinuum
	Lunch	12:15 - 1:30 PM		
	Use Case/Hands-on	1:30 - 2:15 PM	A high energy physics application on Quantinuum H-series devices	Dr. Enrico Rinaldi, Sr. Research Scientist, Quantinuum
	Use Case/Hands-on	2:15 - 3:00 PM	Developing Quantum Computational Chemistry Workflows with InQuanto	Dr. Duncan Gowland, Research Scientist, Quantinuum
	Break + Poster Session Setup	3:00 - 3:30 PM		
	Poster Sessions	3:30 - 5:00 PM	Poster Sessions, 2 Parts, 45 min each	Participants from Quantinuum, RIKEN, and academia
	Closing Remarks	5:00 - 5:05 PM	Closing Remarks	Dr. Jenni Strabley, Sr. Director Offering Management, Quantinuum
	Workshp Picture	5:10 - 5:15 PM	Workshop Picture (optional)	
	Break	5:15 - 5:30 PM		
	Dinner	5:30 - 7:30 PM	Dinner Reception	