

4th IFQMS sessions in Quantum Innovation 2021 with global timetable

Japan (JST)	U.S.A. (EST)	U.S.A. (PST)	U.K. (GMT)	Europe (CET)				
8:00-10:10 18:00-20:10 15:00-17:10 23:00-1:10 0:00-2:10 SE-01. Solid-State Quantum Sensors 1 [4th IFQMS]								
Wed. Dec.8	Tue. Dec.7	Tue. Dec.7	Tue. Dec.7	Wed. Dec.8				
					Chairperson	Takeshi Ohshima	QST	
8:00	(Tue.) Dec.7 18:00	15:00	23:00	0:00	Quantum sensing of quantum materials using NV center microscopy	Amir Yacoby	Harvard U	SE-01-01
(Wed.) Dec.8 0:40	18:40	15:40	23:40	0:40	Current status and prospects of solid-state quantum sensors for Quantum-LEAP	Mutsuko Hatano	Tokyo Tech	SE-01-02
9:10	(Tue.) Dec.7 19:40	16:10	0:10	1:10	Nanoscale Vector AC Magnetometry with a Single Nitrogen-Vacancy Center in Diamond	Paola Cappellaro	MIT	SE-01-03
9:40	19:40	(Tue.) Dec.7 19:40	0:40	1:40	Planetary magnetic field sensing via electrical readout of quantum centers in SiC	Corey Cochrane	JPL Caltech	SE-01-04
10:10	20:10	17:10	1:10	2:10	Break			
10:30-12:10 20:30-22:10 17:30-19:10 1:30-3:10 2:30-4:10 SE-02. Quantum Sensors for Life Sciences [4th IFQMS]								
Wed. Dec.8	Tue. Dec.7	Tue. Dec.7	Wed. Dec.8	Wed. Dec.8				
					Chairperson	Hiroshi Yukawa / Kensuke Osada	QST	
10:30	20:30	17:30	1:30	2:30	Production of color centers in nanodiamond	Olga Shenderova	Adamas Nanotechnologies	SE-02-01
11:10	21:10	18:10	2:10	3:10	Nitrogen-vacancy centers in nanodiamonds as temperature sensors and immunoassay reporters	Huan-Cheng Chang	Academia Sinica	SE-02-02
11:40	21:40	18:40	2:40	3:40	Hyperpolarized MRI in drug discovery and treatment response monitoring	Shun Kishimoto	NIH	SE-02-03
12:10	22:10	19:10	3:10	4:10	Break			
13:10-16:10 23:10-02:10 20:10-23:10 4:10-7:10 5:10-8:10 SE-03A. Short Presentations by Young Researchers on SE-01, 04, 06, 07 Topics [4th IFQMS]								
Wed. Dec.8	Tue. Dec.7	Tue. Dec.7	Wed. Dec.8	Wed. Dec.8				
13:10-16:10 23:10-02:10 20:10-23:10 4:10-7:10 5:10-8:10 SE-03B. Short Presentations by Young Researchers on SE-02, 05 Topics [4th IFQMS]								
Wed. Dec.8	Wed. Dec.8	Tue. Dec.7	Wed. Dec.8	Wed. Dec.8				
16:10	2:10	23:10	7:10	8:10	Break			
17:00-18:40 3:00-4:40 00:00-1:40 8:00-9:40 9:00-10:40 SE-04. Solid-State Quantum Sensors 2 [4th IFQMS]								
Wed. Dec.8	Wed. Dec.8	Wed. Dec.8	Wed. Dec.8	Wed. Dec.8				
					Chairperson	Takayuki Iwasaki	Tokyo Tech	
17:00	3:00	0:00	8:00	(Wed.) Dec.8 0:00	Quantum sensing enabled by spin qubits in diamond	Fedor Jelezko	Ulm U	SE-04-01
17:40	3:40	0:40	8:40	(Wed.) Dec.8 0:40	Programmable quantum simulators based on spins in diamond	Tim Taminiau	TU Delft	SE-04-02
18:10	4:10	1:10	(Wed.) Dec.8 0:10	10:10	Development and optimisation of diamond for quantum technologies	Matthew Markham	Element Six	SE-04-03
18:40	4:40	1:40	9:40	10:40	Break			
19:00-21:10 5:00-7:10 2:00-4:10 10:00-12:10 11:00-13:10 SE-05. Quantum Sensors for Life Sciences [4th IFQMS]								
Wed. Dec.8	Wed. Dec.8	Wed. Dec.8	Wed. Dec.8	Wed. Dec.8				
					Chairperson	Ryuji Igarashi	QST	
19:00	5:00	2:00	10:00	11:00	Quantum biology: an introduction	Johnjoef McFadden	U Surrey	SE-05-01
19:40	5:40	2:40	10:40	11:40	Avian magnetoreception – a radical sense of direction	Peter Hore	U Oxford	SE-05-02
20:10	6:10	3:10	11:10	12:10	Surface chemistry of diamond for quantum applications	Anke Krüger	U Wurzburg	SE-05-03
20:40	6:40	3:40	11:40	12:40	Diamond-based quantum sensors: technology and applications in physics and biology	Christian Degen	ETH Zurich	SE-05-04
21:10	7:10	4:10	12:10	13:10	Closing			