

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	
8:00	(Tue.) Dec.7 18:00	15:00	23:00	0:00	Chairperson Quantum sensing of quantum materials using NV center microscopy
(Wed.) Dec.8 8:40	18:40	15:40	23:40	0:40	Current status and prospects of solid-state quantum sensors for Quantum-LEAP
9:10	(Tue.) Dec.7 19:10	16:10	0:10	1:10	Nanoscale Vector AC Magnetometry with a Single Nitrogen-Vacancy Center in Diamond
9:40	19:40	(Tue.) Dec.7 16:40	0:40	1:40	Planetary magnetic field sensing via electrical readout of quantum centers in SiC
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	
10:30	20:30	17:30	1:30	2:30	Chairperson Production of color centers in nanodiamond
11:10	21:10	18:10	2:10	3:10	Nitrogen-vacancy centers in nanodiamonds as temperature sensors and immunoassay reporters
11:40	21:40	18:40	2:40	3:40	Hyperpolarized MRI in drug discovery and treatment response monitoring
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	
17:00	3:00	0:00	8:00	(Wed.) Dec.8 9:00	Chairperson Quantum sensing enabled by spin qubits in diamond
17:40	3:40	0:40	8:40	(Wed.) Dec.8 9:40	Programmable quantum simulators based on spins in diamond
18:10	4:10	1:10	(Wed.) Dec.8 9:10	10:10	Development and optimisation of diamond for quantum technologies
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	
19:00	5:00	2:00	10:00	11:00	Chairperson Quantum biology: an Introduction
19:40	5:40	2:40	10:40	11:40	Avian magnetoreception – a radical sense of direction
20:10	6:10	3:10	11:10	12:10	Surface chemistry of diamond for quantum applications
20:40	6:40	3:40	11:40	12:40	Diamond-based quantum sensors: technology and applications in physics and biology
21:10	7:10	4:10	12:10	13:10	Closing