

Session Program

9-10 Mar 2022

**Physics Frontiers with Quantum Science and
Technology**

***Quantum sensor/computer developments and
physics applications***

University of Tokyo, Koshiba hall
Hongo, Bunkyo-ku, Tokyo

Wednesday 9 March

08:40

Quantum sensor/computer developments and physics applications: 1

Session | **Location:** University of Tokyo, Koshiba hall, Hongo, Bunkyo-ku, Tokyo | **Convener:** Koji Terashi

08:40–09:10

Dark matter searches with quantum sensing technologies

Speaker

Aaron Chou

09:40

09:10–09:40

Superconducting Circuits for Quantum Computing and Sensing

Speaker

Robert McDermott

10:10

Quantum sensor/computer developments and physics applications: 2

Session | **Location:** University of Tokyo, Koshiba hall, Hongo, Bunkyo-ku, Tokyo | **Convener:** Koji Terashi

10:10–10:40

Solid-state quantum system and applications to physics

Speakers

David Awschalom, Joseph Heremans

11:10

10:40–11:10

Quantum sensing of proton spins with a single NV center

Speaker

Eisuke Abe