



International Conference on Defects in Solids for Quantum Technologies

Budapest, Hungary, June 10-14, 2024

Abstract submission at <https://www.cecama.org/workshop-details/-1279>

Deadline April 1, 2024 (23:59 CET)

The main objective of DSQT2024 is to bring together theoreticians, computational scientists, experimentalists, and material growers working on different wide-band-gap semiconducting systems to advance the field of point defect-based solid-state quantum technologies. The scientific program of the conference includes **17 invited talks, over 10 oral sessions, and poster and exhibition sessions**. The conference will cover a broad range of experimental and theoretical aspects of point defect physics and related quantum technology applications, including but not limited to

- *experimental and theoretical characterization of point defect single photon emitters and qubits in wide band gap semiconductors,*
- *ab initio theory of single photon emitters and qubits, and theory of related applications,*
- *quantum sensing and quantum information processing applications in bulk and nano-scale systems,*
- *material growth for quantum technology.*

List of invited speakers:

Denmark

Kristian Sommer Thygesen (DTU)

France

Patrice Bertet (University of Paris-Saclay)

Anaïs Dréau (Université de Montpellier)

Germany

Jörg Wrachtrup (University of Stuttgart)

Fedor Jelezko (University of Ulm)

Andreas Reiserer (Technische Universität München)

Aparatija Singha (Max Planck Institute, Stuttgart)

Hungary

Anton Pershin (Wigner Research Centre for Physics)

Israel

Sivan Refaely-Abramson (Weizmann Institute of Science)

Sweden

Oscar Bulancea-Lindvall (Linköping University)

United Kingdom

Hannah L. Stern (Cambridge University)

USA

Ania Bleszynski Jayich (UC, Santa Barbara)

Alp Sipahigil (UC, Berkeley)

Volker Blum (Duke University)

Liang Tan (LBNL)

David Strubbe (UC, Merced)

Cyrus E. Dreyer (Stony Brook University)