AAU QUANTUM LAUNCH EVENT

Quantum technology is under rapid development and AAU is a strong partner in this transformation. Our newly established "AAU Quantum Hub" will be your cross-disciplinary entrance to quantum research at Aalborg University. The Hub covers research and teaching in e.g. quantum computing, quantum communication, and post-quantum cryptology. In terms of activities the Hub arranges seminars, provides courses, presentations etc.

This launch event is open to partners from industry as well as interested research colleagues from AAU or other universities.

Join us in launching this initiative to enhance the quality and impact of quantum research!

MAY 2ND, 2024, 12.00-16.15
AUDITORIUM A, FIBIGERSTRÆDE 15, 9220 AALBORG Ø
Please register no later than 30.04.2024

ORGANIZERS

Professor Torben Larsen, Department of Computer Science, AAU (Moderator)
Vice-Dean Mikael B. Skov , the Faculty of IT and Design, AAU
Professor Rafal Wisniewski, Department of Electronic Systems, AAU
Assistant Professor Christian Schilling, Department of Computer Science, AAU
Associate professor Rolf Lyneborg Lund, Department of Sociology and Social Work, AAU
Assistant Professor, Rene Bødker Christensen, Department of Mathematics/ Department of Electronic Systems, AAU
Strategic Advisor, Esben Ahlmann Hjuler, the Faculty of IT and Design

12.00	**Check-in and networking lunch**
13.00	**Welcome** / Dean, The Faculty of IT and Design, Thomas Bak
13.10	**Introduction to Quantum Research, in DK and abroad** / Professor Jørgen Ellegaard, Department of Mathematics and Computer Science SDU
13.50	**Introduction to AAU quantum research environments** / Professor Torben Larsen, Department of Computer Science, AAU
14.05	**Coffee Break**
14.20	**Short pitch -** *The intersection of classical and quantum communication* / Rene Bødker Christensen, Department of Electronic Systems, Department of Mathematics, AAU
14.35	**Short pitch –** *Design automation for quantum Computing* / Professor Kim Guldstrand Larsen, Department of Computer science, AAU
14.50	**Short Pitch –** *Feedback-based quantum algorithms* / Professor Rafal Wisniewski, Department of Electromic Systems, AAU
15.05	**Short pitch –** *PQC acceleration in datacenters* / Associate professor, Sokol Kosta, Department of Electronic systems, AAU
15.20	**Coffee Break**
15.30	**Quantum computing from a business perspective –** *developments in the industrial quantum infrastructure and the role of academia* / Quantum Engineer, Andreas Michelsen, Kvantify
16.00	**Development of Danish Quantum Research from DEiC's perspective** / Head of Quantum Infrastructure at DEiC, Henrik Navntoft Sønderskov
16.15	**Wrap-up and next steps** / Vice Dean for Research, The Faculty of IT and Design, Mikael B. Skov

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