



Science meets Industry | Quantum Computing  
October 21, 2021

<p>9:00 – 10:00 am</p>	<p>Block 1:</p> <p><b>The Quantum Computing - Ecosystem in Baden-Württemberg</b></p> <p><b>The Quantum-Revolution – Current Status, Future Roadmaps &amp; Industrial Applications in Baden-Württemberg</b> Dr. Christian Tutschku, <i>Quantum Software Engineer &amp; Head of Project SEQUOIA, Fraunhofer IAO</i></p> <p><b>Quantum Computing in Industry,</b> Dr. rer. nat. Dr. h.c. Heike Riel, <i>Head Science &amp; Technology, Lead IBM Research Quantum Europe &amp; Africa, IBM Fellow</i></p> <p><b>Q&amp;A Session</b></p>
<p>11:00 am– 12:30 noon</p>	<p>Block 2:</p> <p><b>Business Cases from the German Southwest</b></p> <p><b>SEQUOIA: Quantum-Software-Engineering for Business-Cases</b> Arthur Grigorjan, <i>Data Scientist &amp; Projektlead IPA, Fraunhofer IPA</i> Jonas Klamroth, <i>Research Associate Software Engineering, Forschungszentrum Informatik FZI</i></p> <p><b>HQS Quantum Simulations- working title</b> Michael Marthaler, <i>CEO &amp; Co-Founder, HQS Quantum Simulations</i></p> <p><b>The quantum computing initiative of DLR</b> Prof. Dr. Wolfgang Schleich, <i>Acting Director German Aerospace Center (DLR) / Institute of Quantum Technologies Ulm</i></p> <p><b>Manufacturing Optimization using QCs</b> Frederick Struckmeier, <i>Lead Engineer Quantum Applications, TRUMPF Werkzeugmaschinen GmbH + Co. KG</i></p> <p><b>Q&amp;A Session</b></p>



<p>2:00 – 3:30 pm</p>	<p>Block 3: <b>Post-Quantum Cryptography – Info Session</b></p> <p><b>Post-Quantum Cryptography – An overview of PQC and the impact on cryptographic applications</b> Richard Petri, <i>Research Assistant at Fraunhofer Institute for Secure Information Technology</i></p> <p><b>Post-Quantum Cryptography – Recommendations and Activities of the BSI</b> Thomas Wunderer, <i>Bundesamt für Sicherheit in der Informationstechnik</i></p> <p><b>Hardware-based Post-Quantum safe solutions for today and tomorrow</b> Dr. José M. Brito, <i>Co-founder and Scientific Director, GoQuantum</i></p> <p><b>Open discussion</b></p>
<p>4:00 – 5:30pm</p>	<p>Block 4: <b>Business Cases worldwide</b></p> <p>France: tbd. Georges-Olivier Reymond, <i>CEO and Founder, Pasqal</i></p> <p>Finland: <b>How an International Quantum-Computer Company Rose from the North and What Are They Doing?</b> Mikko Möttönen, <i>Co-Founder and Chief Scientist, IQM</i></p> <p>Israel: <b>Are you ready for 1000 qubits?</b> Yuval Boger, <i>Chief Marketing Officer, Classiq</i></p> <p>Denmark: <b>The Quantum Research and Innovation Ecosystem in Denmark</b> Ulrik Kjølsten Olsen, <i>Research and Innovation Attaché &amp; Consul, Innovation Centre Denmark – Munich</i></p>

Subject to change, October 4th, 2021