

## 2. Quantum-Futur Workshop - October, 10<sup>th</sup> and 11<sup>th</sup> 2019 in Stuttgart Campus Guest - Plenumssaal 101 - Agenda

### Thursday, October 10<sup>th</sup>

<b>12:00</b>	Lunch (optional)
<b>From 12:30</b>	Registration and Welcome Reception
<b>13:30</b>	<b>Stefanie Barz:</b> <i>Welcome</i>
<b>Session 1</b>	<b>Chair: Stefanie Barz</b>
<b>13:35</b>	<b>Guest speaker Tilman Pfau (U Stuttgart):</b> <i>Quantum Technologies based on Rydberg Atoms &amp; The Center for Integrated Quantum Science and Technology (IQST)</i>
<b>14:20</b>	<b>Dennis Schlippert (U Hannover):</b> <i>Inertial sensing using ultra-cold matter waves</i>
<b>14:50</b>	<b>Michael Kues (U Hannover):</b> <i>Integrated quantum frequency combs</i>
<b>15:20</b>	<b>Tobias Heindel (TU Berlin):</b> <i>Towards Quantum Communication Networks Exploiting Solid-State Quantum-Light Sources</i>
<b>15:50</b>	<b>Coffee Break</b>
<b>Session 2</b>	<b>Chair: Tim Bartley</b>
<b>16:20</b>	<b>Tim Schröder (HU Berlin):</b> <i>Diamond Nanophotonics for On-Chip Quantum Technology</i>
<b>16:50</b>	<b>Valerio Flavio Gili (Group of Frank Setzpfandt, U Jena):</b> <i>Quantum Imaging for applications in life sciences</i>
<b>17:20</b>	<b>Guest speaker Jörg Wrachtrup (U Stuttgart):</b> <i>Quantum Sensing</i>
<b>18:00</b>	<b>Break</b>
<b>19:00</b>	<b>Dinner @ Campus.Guest</b>
<b>20:00</b>	After-Dinner Poster Session

### Friday, October 11th 2019

<b>Session 3</b>	<b>Chair: Tim Schröder</b>
<b>9:00</b>	<b>Stefanie Barz (Stuttgart):</b> <i>Secure Computing in Quantum Networks</i>
<b>9:30</b>	<b>Tim Bartley (U Paderborn):</b> <i>Developing Integrated Quantum Optics at Cryogenic Temperatures for Quantum Communication</i>
<b>10:00</b>	<b>Kai Müller (TU München):</b> <i>Modular Photonic Quantum Technologies</i>
<b>10:30</b>	<b>Roman-Pascal Riwar (RWTH Aachen):</b> <i>Towards circuits exhibiting topological transport (Videovortrag)</i>
<b>11:00</b>	<b>Coffee Break</b>
<b>Session 4</b>	<b>Chair: Kai Müller</b>
<b>11:30</b>	<b>Guest Speaker Helmut Fedder, Swabian Instruments</b>
<b>12:00</b>	<b>Guest Speaker Michael Förtsch, Q.Ant</b>
<b>12:30</b>	<b>Lars Unnebrink (VDI):</b> <i>BMBF Funding of Quantum Technologies</i>
<b>13:00</b>	Lunch (optional)
<b>14:00</b>	Labtours (optional) – Meeting point – Hotel lobby