



CONNECTING THE "WHO'S WHO" IN QUANTUM COMPUTING SOFTWARE

Quantum computing is becoming a reality, and software for this promising technology is becoming key for its successful utilization. As a result, numerous players frequently introduce new software solutions. The *Munich Quantum Software Forum* aims to bring together the "who's who" in quantum computing software by providing a forum to present their software, exchange ideas, and discuss the future of quantum software. The forum plans to host sessions covering software pitches, panels, discussions, and exchanges on

- **Quantum Software Tools,**
- **Quantum Software Stacks,**
- **Standards (e.g., QIR vs. QASM), and more.**

In addition, the forum features renowned representatives from academia and industry who present their software tools in dedicated keynotes. More precisely,

- **Blake Johnson (IBM) covering Qiskit,**
- **Fabio Baruffa (Intel) covering the Intel Quantum SDK,**
- **Bettina Heim (NVIDIA) covering CUDA-Q,**
- **Josh Izaac (Xanadu) covering Catalyst,**
- **Andre Luckow (BMW) covering QUARK,**
- **Yehuda Naveh (Classiq) covering the Classiq Platform,**
- **Jan Goetz (IQM) covering IQM Resonance,**
- **Thomas Monz (AQT) covering the AQT Cloud Arnica,**
- **Andre Carvalho (Q-CTRL) covering Black/Fire/Boulder Opal,**
- **Aleks Kissinger (Oxford) covering QuiZX,**
- **Lukas Burgholzer (TU Munich) covering the MQT, and**
- **Max Halbich (SAP) covering Quantum for Enterprise Adoption.**

The audience will be composed of other fellow software developers, end-users, and stakeholders. **The forum will take place in Munich, with a vibrant quantum computing community**, home of the Munich Quantum Valley (one of the biggest interdisciplinary initiatives on quantum computing worldwide), and several key players "in the neighborhood". We are expecting plenty of opportunities for networking and outreach to potential collaborators.

The Munich Quantum Software Forum will be organized by the Technical University of Munich and is supported by the European Research Council (ERC) under the European Union's Horizon 2020 research and innovation program (grant agreement No. 101001318), the Bavarian State Ministry for Science and Arts through the Distinguished Professorship Program, as well as the Munich Quantum Valley, which is supported by the Bavarian state government with funds from the Hightech Agenda Bayern Plus.

Call for Software Pitches

Interested in pitching your software at the forum? Send us a proposal! More at <https://www.cda.cit.tum.de/research/quantum/mqsf>



A summary of last year's event, including a brief video, is available at https://www.cda.cit.tum.de/research/quantum/2023_mqsf_summary/



Contact

*Prof. Dr. Robert Wille
Technical University of Munich &
SCCH GmbH
robert.wille@tum.de
www.linkedin.com/in/robertwille/
Twitter: @rbtwill*