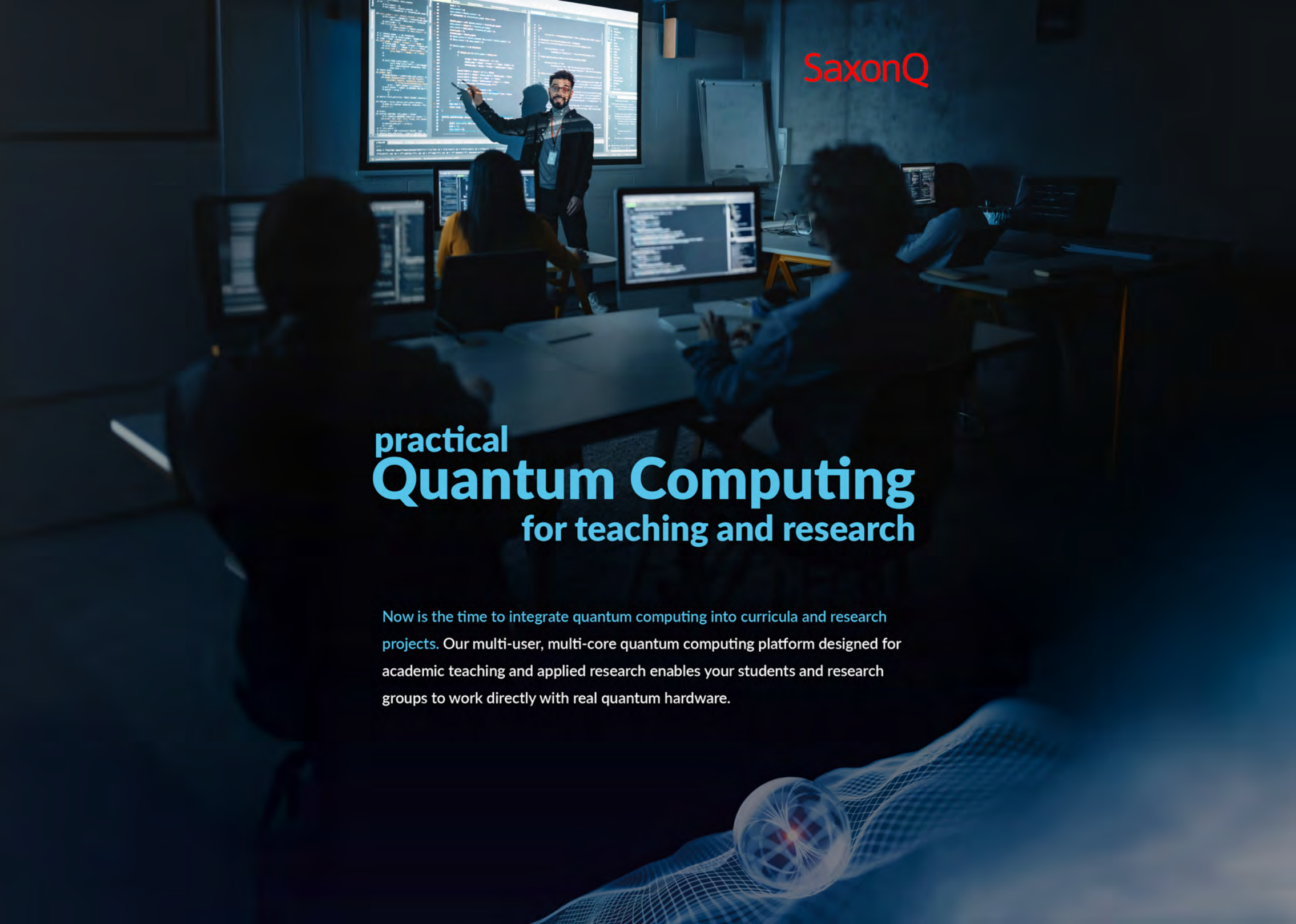


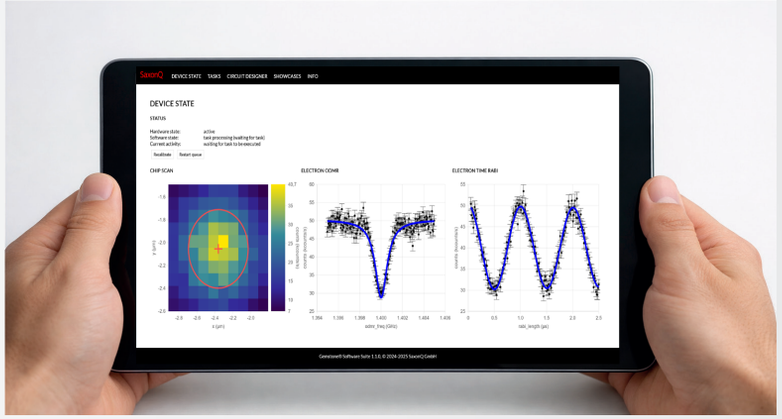
practical Quantum Computing for teaching and research

Now is the time to integrate quantum computing into curricula and research projects. Our multi-user, multi-core quantum computing platform designed for academic teaching and applied research enables your students and research groups to work directly with real quantum hardware.

Multi-Core Mobile Quantum Computer

An ideal multi-user platform for quantum computer education and research:

- virtually unlimited number of quantum processors (1,2,8,16,32,...)
- multi-core technology
- cutting edge technology at any time with quantum chip upgrades
- on-site and remote access
- high fidelity operations



Gemstone® Software Suite

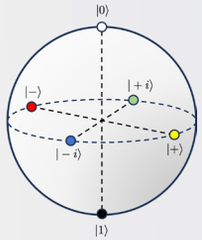
Enjoy the fully automated execution of quantum algorithms with a graphical user interface:

- code development through interface
- programming API
- showcase your experiments and projects
- extensive hardware simulation
- task queue page

Designed for group work - customized to your needs:

- each user has access to own quantum processor - suitable for larger groups
- cooperating quantum processors for distributed quantum algorithms
- customer-specific software, programming APIs
- full hardware access possible

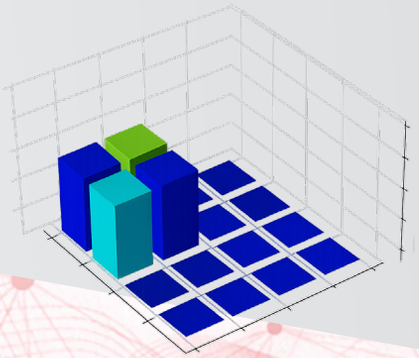
Basic Quantum Programming



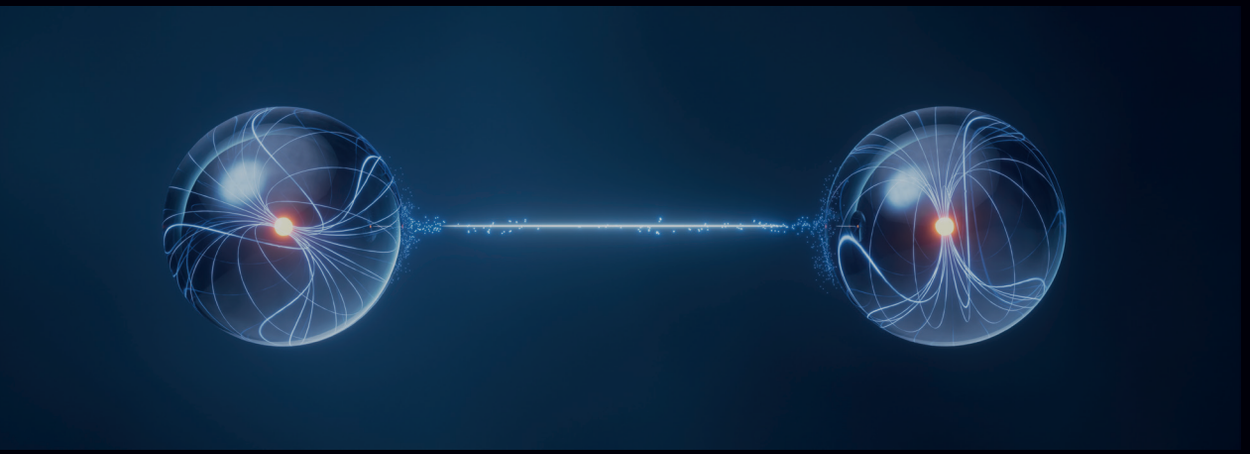
state initialization - gate operations - superposition Bloch sphere - GHZ state entanglement - state readout - randomized benchmarking

Advanced Quantum Programming

quantum state tomography - quantum process tomography - gate pulse design - implementation of optimal control - concatenated pulses hybrid algorithms - quantum machine learning quantum algorithm cutting



From Qubits to Quantum Algorithms



get entangled®

Contact us and find out, how you can integrate quantum computing in your teaching and research. We are happy to share our own teaching experience and find the best solution for you and your application.

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