



Applied Quantum Computing and Quantum Circuits & Systems (AQ-QCAS)

April 10-12, 2026 @SMU Dallas, TX, USA

Web: <https://dcas2026.com/aq-qcas.html>

AQ-QCAS 2026 brings together researchers, engineers, and industry innovators to explore the **quantum computing stack** — from quantum sensing and devices to circuits, systems, algorithms, security, communications/networking, and domain-specific applications. Our mission is to foster collaboration among researchers and practitioners dedicated to creating practical quantum technologies that seamlessly integrate physics, engineering, and computing. The focus on “From Sensing to Circuits and Systems” reflects the understanding that practical quantum computing demands an integrated ecosystem spanning precise measurement, robust communication links, and scalable, secure system architectures.

Beyond foundational technologies, **AQ-QCAS 2026** focuses on **interdisciplinary applications** that leverage quantum advantage to deliver significant benefits to society and industry — including **financial modeling and risk optimization, medical imaging and diagnostics, quantum-assisted drug discovery, biomedical signal analysis, renewable-energy optimization, and sustainable materials development.**

- Quantum Sensing & Metrology
- Quantum Circuits, Devices & Hardware Systems
- Quantum Computing Algorithms & Systems
- Quantum Machine Learning (QML) and AI for Quantum Systems
- Applied Systems and Cross-Domain Integration
- Quantum Communication & Networking
- Quantum Computing Security & Trust
- Applied Quantum Systems and Domain Applications in Finance, Healthcare and Biomedical, Drug Design, and new interdisciplinary areas.

Submission Guidelines: Submit original, unpublished extended abstracts (2 pages of main content) + 1 page of references) to EasyChair under the "AQ-QCAS 2026" track, using the IEEE conference-style template. "Applied Quantum Computing and Quantum Circuits and Systems (AQ-QCAS 2026)". Previously published or submitted work will not be considered. [Link to Template.](#)

Workshop Proceedings: Accepted submissions will be published in the [IEEE DCAS conference proceedings](#) and indexed in the [IEEE Xplore Digital Library](#).

Paper Publications: Extended versions of accepted papers will be invited to peer-reviewed journals, such as [ACM Transactions on Quantum Computing and Springer Nature Computer Science](#), based on reviewer feedback and presentation quality.

Best paper awards: AQ-QCAS top papers will be considered for Best paper Awards.

Paper submission deadline:

Jan 31, 2026

Author notification:

Feb 15, 2026

Final Paper Submission Date:

Feb 28, 2026

Workshop Organizers:

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Link: <https://dcas2026.com/aqscas2026>