3rd International Workshop on Quantum Machine Learning: From Research to Practice (QML@QCE'25)

at the IEEE Quantum Week

in Albuquerque, New Mexico, USA | Aug 31 – Sep 5, 2025

Workshop Organizers

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OTH Regensburg
Daniel Hein
Siemens AG
Nico Meyer
Fraunhofer IIS

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IQM
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qml.lfdr.de/2025

Quantum computing (QC) has made significant progress in recent years and scientists are exploring its applications across various fields, including quantum machine learning (QML). The workshop aims at bringing together *researchers and industry practitioners* from different disciplines to discuss challenges and applications of QML. Many machine learning techniques have quantum analogues that exhibit significant advantages over classical systems.

However, the advantages of these techniques need careful consideration of subtle issues not present in classical approaches. Concrete practical applications of QML are still unknown. The QML@QCE'25 workshop fosters an *interdisciplinary dialogue* between experts from various fields, including AI, ML, software/systems engineering, physics, and more. The workshop will also incorporate industrial users to identify application potentials and explore co-design ideas that enable *special-purpose, hybrid quantum-classical appliances* to be designed for problems of topical importance. By bringing together researchers and practitioners, the workshop advances the state of the art in QML and identifies practical applications of the technology.

QML@QCE'25 will be held in conjunction with the IEEE International Conference on Quantum Computing and Engineering (QCE25) in Albuquerque, New Mexico, USA.

Submission Info for Manuscripts

QML@QCE strives for a high-quality, diverse and innovative program and solicits a range of varied contributions. We seek research, systems, experiment/analysis, and application papers on all topics described above especially by younger members of the community.

Papers are allowed four pages in IEEE transactions format (including references). We do not accept pure position papers without sufficient technical content or other (mostly) marketing materials for commercial offerings.

We will use a *double-anonymous peer review process* (identities of author(s) and reviewers are hidden from each other). All manuscripts will be peer-reviewed by at least three PC members and published as workshop proceedings to the main IEEE conference. Templates for the manuscripts can be downloaded from the IEEE formatting instructions webpage. Formatted manuscripts must be electronically submitted as pdf via EasyChair (Author > New Submission > 35-WKS-PAP: 3rd Int Workshop on QML). Further information is available on the QML@QCE'25 webpage: https://qml.lfdr.de/2025

Important Dates (all deadlines 23:59 AoE)

Paper submission:	June 2 , 2025
Notification date:	July 23, 2025
Final manuscript due:	tbd
Conference date:	Aug 31 – Sep 5, 2025
Workshop date:	tbd