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Digital Single Market

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FET Information Day - Afternoon Session: Quantum Simulation

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Quantum Simulation is a FET Proactive Initiative under Horizon 2020 that aims to develop solutions using quantum technologies to address real world problems. During the afternoon session of FET Information Day (20/01/2014), various presentations have been made in relation with this topic, and during the Proposers' Forum.

- [Overview of FET Proactive Initiative "Quantum Simulation - Q-Sim"](#) [1], Roumen Borissov, FET
- ["Quantum Technologies for on Demand Molecule Printing - Qan-Te-Print"](#) [2], Gabor Vattay, CERN Wigner Datacenter
- ["Quantum simulation with superconducting circuits"](#) [3], Martin Weides, Karlsruhe Institute of Technology
- ["Quantum simulation and quantum logic in integrated ion surface-electrode traps"](#) [4], Christian Ospelkaus, Institut für Quantenoptik, Leibniz Universität Hannover
- ["The Wigner Monte Carlo method"](#) [5], Jean Michel Sellier, Bulgarian Academy of Sciences, IICT
- ["Rydberg Quantum Simulator RYSQ"](#) [6], Tommaso Calarco, Universität Ulm
- ["Energy entangled photonic qudits"](#) [7], André Stefanov, University of Bern
- ["Quantum insulators"](#) [8], Giacomo Roati, INO-CNR & LENS, University of Florence

[Quantum simulation objective on Participant Portal](#) [9].

Speaker

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