

QuantERA Call 2019

Projects Recommended for Funding

The projects listed below are recommended for funding to the national research funding organisations of QuantERA by the Call Steering Committee of QuantERA Call 2019.

Important: the actual funding of the projects depends on the successful completion of the contract negotiations at the national level.

No.	Acronym & Title of the Project	Coordinator/Institution	Countries in Partnership (in bold, coordinating country)
1.	ApresSF: Application-ready superresolution in space and frequency	Łukasz Rudnicki, Uniwersytet Gdański	Czech Republic, France, Germany, Poland , Spain
2.	C'MON-QSENS!: Continuously Monitored Quantum Sensors: Smart Tools and Applications	John Calsamiglia, Universitat Autònoma de Barcelona	Denmark, Israel, Poland, Spain , Sweden, United Kingdom
3.	eDICT: Experimentally-oriented Device Independent Cryptography	Jan Bouda, Masaryk University	Austria, Czech Republic , Hungary, Poland, Switzerland
4.	MAQS: Magnetic-Atom Quantum Simulator	Bruno Laburthe-Tolra, CNRS - Laboratoire de physique des lasers	Austria, France , Germany, Italy, Poland, Spain
5.	PACE-IN: Photon-Atom Cooperative Effects at Interfaces	Robin Kaiser, Institut de Physique de Nice	Austria, Czech Republic, France , Greece, Israel, Italy
6.	Qu3D: Quantum 3D imaging at high speed and high resolution	Milena D'Angelo, Istituto Nazionale di Fisica Nucleare, Sezione di Bari	Czech Republic, Greece, Italy , Switzerland
7.	QuantHEP: Quantum Computing Solutions for High-Energy Physics	Yasser Omar, Instituto de Telecomunicações	Portugal , Italy, Latvia

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8.	QuCoS : Quantum Computation with Schrödinger cat states	Gerhard Kirchmair , Universität von Innsbruck	Austria , France, Germany, Israel, Romania
9.	QuICHE : Quantum information and communication with high-dimensional encoding	Chiara Macchiavello , Istituto Nazionale di Fisica Nucleare - Sezione di Pavia	France, Germany, Italy , Poland, United Kingdom
10.	SECRET : SECuRe quantum communication based on Energy-Time/time-bin entanglement	Guilherme Xavier , Linköping University	Italy, Sweden , Spain
11.	ShoQC : Short-Range Optical Quantum Connections	Peter Van Loock , Johannes Gutenberg Universität Mainz	Belgium, Czech Republic, Denmark, France, Germany , Italy
12.	SiUCs : Superinductor-based Quantum Technologies with Ultrastrong Couplings	Pol Forn , Barcelona Supercomputing Center - Centro Nacional de Supercomputación	France, Germany, Italy, Slovakia, Spain

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