

Redefining the foundations of physics in the quantum technology era



Trieste - 16-19 September, 2019
Adriatico Guesthouse ICTP

TEQ - *Testing the Large scale Limit of Quantum Mechanics*, is a EU H2020 FET project, which will explore the macroscopic limit of quantum theory, with the specific goal of answering the question: does quantum coherence survive when the mass/complexity of a system increases, or does it break down as predicted by alternative formulations? Within the framework of TEQ, the workshop *Redefining the foundations of physics in the quantum technology era* will explore the state of the art – both theoretically and experimentally – of our understanding of quantum theory and discuss the new directions of research.

Speakers

Luis Cortes Barbado (University of Vienna, Austria)
Alessio Belenchia (QUB, Belfast)
Sougato Bose (University College London, UK)
Matteo Carlesso (University of Trieste, Italy)
Tobias Donner (ETH Zurich)
Florian Marquardt (Max-Planck Institute, Germany)
Ron Folman (University of the Negev, Israel)
Stefan Gerlich (University of Vienna, Austria)
Ward Struyve (K.U. Leuven)
Gabriel Hetet (ENS, France)
Cyrille Solaro (Aarhus University, Denmark)

Edward Laird (University of Lancaster, UK)
Luca Mancino (Queen's University Belfast, UK)
Stephan Nimmrichter (Max-Planck Institute, Germany)
Tracy Northup (University of Innsbruck, Austria)
Tjerk Oosterkamp (University of Leiden, NL)
Kristian Piscicchia (INFN, Frascati)
Antonio Pontin (University College London, UK)
Jason Ralph (University of Liverpool, UK)
Andrew Steane (University of Oxford, UK)
Andrea Vinante (University of Southampton, UK)
Magdalena Zych (University of Queensland, Australia)

Registration at <http://tequantum.eu/?q=redefining-foundations/2019>

