

Workshop on Fundamental Quantum Physics and Applications in Space

Budapest, Hungary, 30 March-3 April, 2020

Registration closes on 20 February.

Our conference is organized in the context of the COST Action "Quantum Technologies in Space" (QTSpace, CA15220).

It is targeted to the quantum physics community with an emphasis on experiments or missions with a necessity of a space environment or microgravity. The scientific talks will include topics such as atom optics, optical frequency references, optomechanics, matter wave interferometry and quantum entanglement. Each of these fields of research can benefit from a microgravity environment, as achieved in Earth-based microgravity platforms like drop towers, parabolic flights or sounding rockets or from a space environment.

Confirmed invited speakers

Markus Arndt (University of Vienna)
Markus Aspelmeyer (University of Vienna)
Peter Barker (University College London)
James Bateman (Swansea University)
Matteo Carlesso (Trieste)
Oliver Jennrich (ESA)
Ivette Fuentes (University of Nottingham)

Gerald Hechenblaikner (Airbus)
James Millen (King's College London)
Tracy Northup (University of Innsbruck)
Tom Pike (Imperial College London)
Guglielmo Tino (University of Firenze)
Rupert Ursin (IQOQI, Vienna)
Stefano Vitale (Trento)

Organizers

L. Diósi (Budapest)
R. Kaltenbaek (Ljubljana)
G. Tóth (Bilbao)
H. Ulbricht (Southampton)
L. Wörner (Bremen)
A. Xuereb (Malta)

Local organizer

Sz. Szalay (Budapest)



Home page: <https://indico.kfki.hu/event/qtSPACE2020>