

Antonio Acín



Title: *Quantum information technologies - the second quantum revolution.*

Antonio Acín is an ICREA Research Professor at **ICFO**. He has a degree in Physics from the Universitat de Barcelona (UB) and in Telecommunication Engineering from the Universitat Politècnica de Catalunya. He got his PhD in Theoretical Physics in 2001 from the UB. After a post-doctoral stay in Geneva, he joined ICFO in 2003, where he leads the Quantum Information Theory group. His research interests range from Quantum Information Theory, to Quantum Thermodynamics and Quantum Optics. He also holds the AXA Chair in Quantum Information Science in 2016.

Enrique Solano



Title: *Quantum computers and potential industrial applications*

Enrique Solano is **Ikerbasque** Professor at University of the Basque Country, Bilbao, Spain, where he is the director of the research group "Quantum Computing and Quantum Technologies (QUTIS)", www.qutisgroup.com, and Distinguished Professor at Shanghai University, Shanghai, China. Prof. Solano is worldwide renowned for his influential ideas that have been successfully implemented in academic labs and high-tech companies in different quantum platforms as quantum photonics, trapped ions, and superconducting circuits.

Carlos Abellán



Title: *Quantum technologies: an application to communication security*

Carlos Abellán holds a Ph.D. in the field of quantum technologies from ICFO, where he authored and coauthored ground-breaking research on the application of quantum technologies to cybersecurity and computation. He is currently Co-founder and CEO of **Quside**, Technologies S.L., a spin-out from ICFO founded in September 2017. In 2018, I was named as one of the MIT Innovators 35 under 35 Europe.

Marco García



Title: *Photonic integrated circuits for quantum signal processing*

Dr. Marco García holds a PhD in Optical Sciences by the University of Twente in Photonic Integrated Circuits and integrated nonlinear optical processes, in particular nonlinear generation and acousto-optic control of light in stoichiometric silicon nitride. Having demonstrated experience both in academia and industry, he is currently R&D Manager in **VLC Photonics**, where he manages both national and EU commissioned projects and pilot lines.