

Prof. Dr. Tommaso Calarco has pioneered the application of quantum optimal control methods to quantum computation and to many-body quantum systems. Currently the Director of the Institute for Quantum Control of the Peter Grünberg Institute at Forschungszentrum Jülich and Professor of Quantum Information at the Institute of Theoretical Physics of the University of Cologne, Tommaso received his PhD at the University of Ferrara and started to work as a postdoc in the group of P. Zoller at the University of Innsbruck. He was appointed as a Senior Researcher at the BEC Centre in Trento in 2004 and as a Professor for Physics at the University of Ulm in 2007, where he then became Director of the Institute for Complex Quantum Systems and of the Centre for Integrated Quantum Science and Technology. He has authored in 2016 the Quantum Manifesto, which initiated the European Commission's Quantum Flagship initiative, and is currently the Chairman of one of the Flagship's Governing Bodies: The Quantum Community Network (QCN). In 2020, together with the QCN, he has launched an initiative towards the creation of a consortium of European quantum industries, which has been legally established in 2021 under the name of European Quantum Industry Consortium (QuIC).