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Dr Silvano De Franceschi

Univ. Grenoble Alpes, CEA, Grenoble INP, IRIG,
PHELIQS, France



Silvano De Franceschi is an expert in quantum nanoelectronics and experimental mesoscopic physics. He received his PhD in 1999 at the Scuola Normale Superiore of Pisa and, he currently works as research director at the Interdisciplinary Research Institute of Grenoble (IRIG). In 2005 he was awarded the *Nicholas Kurti European Prize* for his achievements in the field of quantum transport and, in particular, his works on the Kondo effect in quantum dots and on hybrid normal/superconductor nanostructures. He joined CEA-Grenoble in 2006 where he became research director and *Senior Fellow* for the field of quantum technologies. His current research activity focuses primarily on the development of silicon-based devices for quantum information processing. Last year he was awarded the Friedel-Volterra prize for his pioneering work on hole spin qubits based on silicon technology.