

## **POSTDOCTORAL POSITIONS@Quantum Research Center, TII**

The *Quantum Physics* group directed by Prof. Luigi Amico at the *Quantum Research Center, Technology Innovation Institute* recently established in Abu Dhabi, (<https://www.tii.ae/>) is seeking well-qualified, highly motivated, and dynamic young scientists (post-docs). The research activity of the group will focus on quantum correlations in many-body theory, with specific applications to quantum gases confined in low dimensional structures, atomtronics, mesoscopic networks, and superconducting circuits. Research in these areas may also be conducted in collaboration with Dr. Gianluigi Catelani (JARA Institute for Quantum Information, Juelich Research Center, Germany). Skills in both analytical and numerical techniques to handle many-body systems in different operating conditions (static, dynamics with different boundary conditions) as well as experience in quantum transport, superconductivity, and related topics will be appreciated. Although the planned activity is theoretical, close contact with experiments will be sought.

The positions are funded for three years and can start at any time in 2020/2021. The initial appointment is for two years, followed by a one-year extension upon mutual agreement. There is no deadline for application. Applications will be reviewed as they are received, so we encourage to apply as soon as possible.

Candidates should provide a curriculum vitae, a brief letter of motivation, a summary of their research experience, and a list of publications. Two reference letters should be arranged to be sent directly to [luigi.amico@tii.ae](mailto:luigi.amico@tii.ae)