Catania-London European Partners Fund Virtual Workshop

Wednesday 16th September 2020

h13:00 – 17:00 BST (14:00 - 18:00 CEST)

UNIVERSITÀ degli STUDI di CATANIA

IMM Institute for Microelectronics and Microsystems

Imperial College London

DIPARTIMENTO di FISICA e ASTRONOMIA "Ettore Majorana"

Meeting on Quantum Technologies &

Organic and inorganic nanostructures for Energy, Sensing and Photonics

13:00 **Dr Felice Torrisi** – Welcome

13:10 **Prof Martin Heeney** - Development of materials for organic photovoltaic devices

13:30 **Dr Cecilia Mattevi** - Precise synthesis of nanostructured TMDs

13:50 **Prof Myungshik Kim** - Quantum Information research at Imperial

14:10 **Prof Tim Green** - Transformation of electricity grids for high fraction of variable renewable energy

14:30 **Dr Felice Torrisi** – Two-dimensional materials for energy, sensing and photonics

14.50 Break

15:00 **Prof Salvatore Mirabella** - Low-cost Ni nanostructures for efficient energy production and storage

15:20 **Prof Giuseppe Falci** - Quantum technologies with superconductors

15:40 **Prof Antonio Terrasi** - Transparent Electrodes for Solar Cells

16:00 **Prof Francesco Ruffino** - Laser-based Fabrication of Metal and Metal-Oxide Nanostructures for Energy, Sensing, and Photocatalysis

16:20 Breakout sessions: **Quantum technology** and **Energy**

16:50 Round Up and Conclusive remarks