

# WORKSHOP

## Transport measurements for nanoelectronics, photovoltaics and cryogenics

Monday March 25<sup>th</sup> 2024 h. 14:30 | Università degli Studi di Firenze

Campus Room B2, Building R1 (Plesso aule Enrica Calabresi) Città Metropolitana di Firenze  
Via Edoardo Detti, 3 - 50019 Sesto Fiorentino (FI)


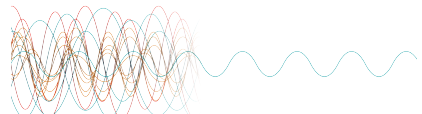
The Laboratory of Molecular Magnetism (LAMM), and the URI Matchlab of the University of Florence are pleased to invite you to this workshop organized in collaboration with Quantum Design.

### Topics:

- Measurements techniques for nanoelectronics
- Hardware and software solutions for transport measurements
- Photovoltaics
- Cryogenic transport measurements
- Magnetotransport processes

The workshop will include a poster session. At the end there will be a practical session on Lake Shore Cryotronics instrumentation provided by Quantum Design.

### Program

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- 14:00 - 14:30 **Registration**
- 14:30 - 14:40 **Welcome & Opening**  
*Prof. Matteo Mannini, University of Florence - Dr. Simone Paziani, Quantum Design*
- 14:40 - 16:00 **New concept with techniques to optimize low level voltage, current and resistance measurements for nano/cryo characterization**  
*Chuck Cimino, Lake Shore Cryotronics*
- 16:00 - 17:00 **Poster Session & Coffee break**
- 17:00 - 17:45 **Q&A and Open Discussion**
- 17:45 - 18:30 **Practical Session & Hands-on**

### ORGANIZERS

Prof. Matteo Mannini  
*Dip. Chimica "Ugo Schiff", Università degli Studi di Firenze*  
Dr. Niccolò Giaconi  
*Dip. Chimica "Ugo Schiff", Università degli Studi di Firenze*

### CALL FOR POSTERS

**SPECIAL FORMAT.** To participate actively to the workshop you are invited to declare in the registration form the title and the list of authors of the poster you intend to present.

**NEW DEADLINE: MARCH 23<sup>rd</sup> 2024**

All registered participants will receive a certificate of attendance.

Workshop attendance will also be possible online for participants who request online participation at the time of registration.

**Participation is free but registration is mandatory**

Registration can be done at this link: [www.qd-europe.com/it/it/eventi/dettagli-dellevento/ws-transport/](http://www.qd-europe.com/it/it/eventi/dettagli-dellevento/ws-transport/)  
or by writing an email to [ramberti@qd-europe.com](mailto:ramberti@qd-europe.com)