



UNIVERSITÀ  
DI TRENTO



# Perspectives in Electron Microscopy II

1 October, 2021

Online & on site

Luigi Stringa Hall - Fondazione Bruno Kessler  
via Sommarive 18, Povo - Trento, Italy

This is the second, follow-up edition of the Workshop held in 2019, which launched the electron microscopy facility at University of Trento and presented to the local research community the potentials afforded by the instrumentation and methodologies available. Since then, many things have happened, which often limited the research collaborations and interactions. We are now entering a time of renewed enthusiasm and, in this perspective, we propose this discussion event. It will be the chance to have an updated vision on the novel pieces of equipment, electron microscopy related, acquired in recent times by the University of Trento and Fondazione Bruno Kessler. Secondly, thanks to the qualified contribution of invited speakers, state of the art methodologies and instrumentation will be brought to the attention of the participants as inspirations and guidelines for future research.

This Workshop is organized on the 25th anniversary of the death of our dear friend and colleague **Paolo Giordano Orsini**. To him, who back in the '80 fostered and encouraged the establishment of an electron microscopy facility and of expertise in materials characterization at the University of Trento, we would like to dedicate this Workshop.

## 8.45 Welcome to the Participants and Presentation of the Event

**Gianluigi Casse**, Head of the Sensor and Device Center - Fondazione Bruno Kessler

**Flavio Deflorian**, Rector - University of Trento

## 9.15 State of the art and some more surprising ideas for electron microscopy of materials

**Vincenzo Grillo**, CNR NANO S3, Department of Physics - University of Modena and Reggio Emilia

## 10.00 Electron Microscopy tools for Materials Science

**Gloria Ischia**, **Lorena Maines**, University of Trento

## 10.20 FIB-SEM in micro-nano technology: fabrication and characterization @ FBK

**Damiano Giubertoni**, Fondazione Bruno Kessler

## 11.00 Unveiling transcriptional and extra-transcriptional roles of the RNA Polymerase III machinery by Cryo-EM

**Alessandro Vannini**, Human Technopole

## 11.45 Electron Microscopy in Biomedical Research

**Francesco Tessarolo**, University of Trento

## 12.05 Thermo Scientific Tundra Cryo-TEM. Introducing a new kind of Cryo-electron Microscope

**Max Maletta**, Thermo Fisher Scientific

## 12.25 Stream: a promising liquid phase electron microscopy solution for Life science applications

**Eva Bladt**, DENS solutions

## 12.45 - 13.30 Closing and visit to the EM facilities at FBK and at the University of Trento

### Scientific and Organizing Committee

**Stefano Gialanella**, Department of Industrial Engineering - University of Trento

**Graziano Lolli**, Department CIBIO - University of Trento

**Giandomenico Nollo**, Department of Industrial Engineering - University of Trento

**Giancarlo Pepponi**, MNF - Fondazione Bruno Kessler

### Contacts

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