The workshop will take place at Maxwell Conference room, Politecnico di Torino Cittadella Politecnica, entrance from Corso Castelbuono 42/A, 5th floor. Torino can be easily reached by flight to Torino Caselle Airport, by train (Porta Susa or Porta Nuova stations). Taxis from airport to Politecnico cost about 30 euro.

Recommended hotels and B&B:

- NH hotel Torino Centro
  https://www.nh-hotels.it/
- Hotel Politecnico
  http://www.politecnico.bqhotel.it/ita/hotel-politecnico-torino.php
- La casa di Clara (B&B)
  http://www.casadiclara.it

For any question concerning the workshop please contact the workshop chairs:

- Monica Ferraris
  monica.ferraris@polito.it
- Christof Sommitsch
  christof.sommitsch@tugraz.at

Or the local organizers:

- Milena Salvo
  milena.salvo@polito.it
- Federico Smeacetto
  federico.smeacetto@polito.it
- Valentina Casalegno
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About organizers

KMM-VIN AISBL (www.kmm-vin.eu) is an international non-profit association that creates conditions for conducting joint research on advanced materials. It offers mobility programme for young researchers, courses and trainings on materials for Transport, Energy and Biomedical sectors.

The Politecnico di Torino (POLITO) is one of the most important universities in Europe for engineering and architecture studies, strongly committed to collaboration with industry.

The Energy Center (Politecnico di Torino) aims to support and stimulate actions and projects on energy policy and technology, that gathers a multi-disciplinary group of Politecnico faculty members active in research and technology on technical, economic, social and environmental solutions for a transition towards a more sustainable society. Visits are available on request. http://www.energycenter.polito.it/en/

J-TECH@POLITO (Advanced Joining Technologies at Politecnico di Torino) is an inter-departmental, multi-disciplinary research center recently funded by Politecnico di Torino to provide advanced expertise and technology transfer on joining of materials, on joining technologies and characterization techniques. J-TECH@POLITO is open to collaborations with companies, universities, research centers. Visits are available on request. http://www.i-tech.polito.it/

GLANCE (Glasses, Ceramics and Composites) is a research group at Department of Applied Science and Technology of Politecnico di Torino. GLANCE activity is in the field of glasses, glass-ceramics and their composites, in the form of bulk, joining, coating, porous, thin films and fibre materials. GLANCE develops and tests custom joints, new joining technologies, joints for extreme applications and energy production (solar, SOFC and nuclear applications); protective coatings and sealing materials; new surface treatments; recycling of vitrified and non-vitrified wastes. Visits are available on request. http://www.composites.polito.it/
The programme will consist of keynote lectures and original contributions (oral and posters). Besides technical aspects, the workshop will provide a good opportunity for networking that may result in future collaborative projects.

**17th May 2021**

**Registration and coffee** (12:30-13:30)

**Keynote lectures** (13:30-15:30)
- Dr. Christian Walter, Sunfire, High temperature electrolysis in the framework of a renewable society – chances and challenges.
- Dr. Dario Montinaro, SolidPower, Industrial-scale SOFC manufacturing.
- Prof. Massimo Santarelli, Politecnico di Torino, Results from the operation of the first industrial size biogas-fed SOFC plant in Europe.
- Dr. Stefano Marchionna, RSE Tecnologie di Generazione e Materiali, Innovative Earth-abundant materials for energy applications.
- Dr. Erica Vacchieri, Ansaldo Energia, Genova, Materials in power generation industry: the case for highly efficient modern gas turbines.
- Dr. Alessandra Sanson, Group Leader Materials and Processing for Energetics, CNR - Institute of Science and Technology for Ceramics, Role and Opportunities of Ceramic Materials for the Energy Production and Storage.

**Coffee break** (15:30 -16:00)

**Oral presentations** (16:00-17:00)
Presentations by Workshop participants (15 minutes each)

**Poster session / „apericena“ buffet dinner Torino style** (17:00 - 19:30)
Discussion/networking at posters

**Best poster award**

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**18th May 2021**

**Keynote lectures** (9:00-11:00)
- Prof. David Le Coq, Université de Rennes 1, Rennes, Chalcogenide glasses and glass-ceramics: promising candidates for energy applications.
- Prof. Vincenzo Esposito, DTU Energy Conversion and Storage, Defective metal oxide: the new generation of lead-free actuators.
- Prof. Silvia Bodoardo, Politecnico di Torino, Post lithium ion technologies for future storage systems.

**Coffee break** (11:00-11:30)

**Oral presentations** (11:30-12:30)
Presentations by Workshop participants (15 minutes each)

**Buffet lunch and networking** (12:30-13:30)
Visit to laboratories (GLANCE, J-TECH@POLITO, The Energy Center), upon request to be indicated in the registration form.