

Second call for



COST Action 20216 NETPORE Winter Workshop on POROUS SEMICONDUCTORS AND OXIDES 26th – 28th February 2024, Claviere, Torino, IT

Topics

The NETPORE COST Action is an international network of world-class researchers and stakeholders to promote joint ideas and initiatives aiming to bridge the gap between fundamental developments and practical applications of technologies based on porous semiconductors and oxides.

Recent fundamental advances in porous semiconductors and oxides have demonstrated promising performance of these platform technologies for a broad range of energy and health applications. NETPORE COST Action network fosters cutting-edge research and innovation in this technological field by providing opportunities for joint projects through Working Groups, bringing together a wide pool of expertise across academia and industry. This NETPORE COST Winter Workshop outlines the key technical achievements and details the new measurement capabilities developed as a result of the collaborations within these energy themed projects. The Workshop is organized by the NETPORE COST Coordinator, Prof. Llouis Marsal, Universidad Rovira y Virgili, (SP) and locally by the Istituto Nazionale di Ricerca Metrologica (INRiM, Italy).

It is a great pleasure to welcome you to the NETPORE COST Winter Workshop, to take advantage from the participation of prominent members of the project working in different application fields, like fabrication techniques, applications in sensors, metrology, biosensors and nanomedicine, giving lectures on the state-of-the-art in their respective fields.

The purpose of the school is to provide a friendly and stimulating environment where experts, students and young researchers are in close contact discussing about science and sharing mountain and ski experiences. We hope you enjoy your stay in Claviere!

The Organising Committee

L. Boarino, N. De Leo, INRiM, IT, F. Cunin, CNRS Montpellier, FR

Senior Advisory Committee

L. Boarino, N. De Leo (INRiM, Italy), L. Marsal, (Uni. Rovira y Virgili, SP), N. Gambacorti (CEA-Leti, Fr).

School format

The workshop format provides a forum for discussion and debate.

NETPORE Winter Workshop on Porous Semiconductors and Oxides			
	Monday 26/02/2024	Tuesday 27/02/2024	Wednesday 28/02/2024
8:00		Breakfast	Breakfast
9:00	Arrival	Jarno Salonen, University of Turku (FI), Drug delivery, nanomedicine and sensing with porous silicon I. Gilmore, NPL UK, Mass spectrometry imaging gives simultaneous identification of drugs and biomolecules at the micro and nanoscale	C. Chiappini, King's College, UK Application of porous silicon to nanomedicine G. Mula, University of Cagliari, IT Infiltration of porous silicon by electrochemical methods
10:00		Scientific discussions	Scientific discussions
11:00			
12:30	Lunch	Lunch	Lunch
14:00	Free Time	Free Time	Round Table and End of the Workshop
15:45	Coffee break	Coffee break	
16:00	F. Cunin, CNRS, Fr: Welcome and Introductory Lecture	E. Cara, INRiM IT, Porous silicon Nanowires by MACE and self-assembly	Departure
17:00	G. Barillaro, University of Pisa, IT Application of Porous Silicon to Biosensing	L. Destefano, CNR Napoli, IT Porous Silicon for Drug Delivery	
18:00	Welcome & Dinner	L. Dahne, Surfplay Nanotec GmbH, D Sensors and Biosensors leveraging layer-by-layer technology on different optical platforms	
19:00		Dinner	
19:30		Social Time	
21:00			
22:00			

Tentative program format of the school

We also encourage school participants to participate to the scientific discussions presenting informally their research activity. An informal evening reception will be held on Monday 26th February from 18:00.

Confirmed speakers:

- 1 Giuseppe Barillaro, University of Pisa, IT
- 2 Frederique Cunin, Institut C. Gerhardt Montpellier - CNRS, Uni. Montpellier, FR.
- 3 Luca De Stefano, CNR Napoli, IT
- 4 Ciro Chiappini, King's College London, UK
- 5 Jarno Salonen, University of Turku, FI
- 6 Eleonora Cara, INRiM, IT
- 7 Ian Gilmore, NPL, UK
- 8 Guido Mula, University of Cagliari, IT
- 9 L. Dahne, Surfplay Nanotec GmbH, D

Refuge "La Capanna" Claviere, Turin, Italy

The lodge is on the ski tracks of Claviere, on the 2006 Turin Winter Olympic Site. You can find more information on the school, the program and the venue at the following link:

<https://amdgroup.inrim.it/events/netpore-winter-workshop>

How to reach Claviere

From Turin Porta Susa railway station (1.15h), shuttle buses will be available on the 26th of February (11:00 CET) and on the 28th of February 2024 (14:30 CET) from Claviere to Porta Susa Station.



Registration

The lodging cost is 250 € and includes refuge accommodation in shared rooms & bathrooms from the night of the 26th to the 28th of February 2024, full board including breakfast, lunch and dinner (beverages excluded), blankets and sheets and motor sledge for carrying luggage. The number of attendees is limited to 45, subject to availability.

Registration deadline: 31st of January 2024

The accommodation cost is 250 € both for participants and accompanying persons, the registration page is (<https://amdgroup.inrim.it/events/netpore-winter-workshop/registration-netpore>), the payment link will be active in the next few days and will allow to pay by credit card after filling a short registration form.

