

# From surfaces to devices: novel perspectives from nanostructured oxides and carbon materials

Nanostructured oxides and carbon materials represent an extremely rich playground for many applications, ranging from sensing to photodectors, from photovoltaics to photocatalysis. These materials are expected to meet the requirements on sustainability practices and the need for new ideas to boost the energy transition.

In this Workshop, we will focus on nanostructured oxides and carbon materials addressing their role in applications and devices. Attention will be paid to functionalization and doping, as well as to the opportunity provided by *ab-initio* calculations to disclose the mechanisms underlying devices operation.

Bringing together junior and senior scientists from the nanoscience research community we aim to offer participants a perspective on novel approaches to device development starting from nanomaterials surfaces and interfaces.

The workshop will host three Sessions: (i) Nanostructured oxides, (ii) Nanostructured carbon, and (iii) Computational and experimental methods for surface analysis

## Call for Contributions

Prospective authors are kindly encouraged to contribute to the conference through submissions of their research abstracts. There are no registration fees for participants.

## Conference location

The conference will be hosted at the new Campus of the Università Cattolica del Sacro Cuore (via della Garzetta 48, Brescia, Italy).

## Organising committee

Luigi SANGALETTI (Università Cattolica del Sacro Cuore), Elisabetta COMINI (Università degli Studi di Brescia), Stefania PAGLIARA (Università Cattolica del Sacro Cuore)

# International Workshop

December 12-13th, 2022

Aula 1, 9:00-12:30; 14:00-17:30

Via della Garzetta 48, Brescia

