

# TRENDS IN NANOSTRUCTURED CARBON MATERIALS AND DEVICES

Barely ten years after the Physics Nobel prize was awarded for research on graphene, nanostructured carbon materials still represent an extremely rich playground for many applications, ranging from sensing to photodetectors, from photovoltaics to photocatalysis.

In this Workshop, which also celebrates the 10<sup>th</sup> anniversary of I-Lamp, the hosting Institution, we will focus on graphene, a turning point in nanoscience and physics, bridging what was understood in prior nanostructured carbon forms (e.g. CNT) into the domain of 2D materials and platforms. At the same time, emerging properties of graphene such as twisted graphene still provide new challenges, opening novel perspectives in our capability to exploit the 2D materials at the nanoscale.

Bringing together junior and senior scientists from the nanoscience research community we aim to offer participants a perspective on novel approaches to carbon nanostructure applications.

## Speakers

Marco POLINI, University of Pisa

Alessandro TREDICUCCI, University of Pisa

Steven DE FEYTER, KU Leuven (Belgium)

Luca PETACCIA, Elettra Sincrotrone, Trieste

Sergio PEZZINI, CNR-NANO Laboratorio NEST

Gianluca FIORI, University of Pisa

Cristina AFRICH, CNR-IOM

Daniele PERILLI, Università di Milano Bicocca, Italy

Aleksei EMELIANOV, National Research University of Electronic Technology, Moscow, Russia

Sonia FREDDI, Università Cattolica del Sacro Cuore

Ivan BOBRINETSKIY, Biosense Institute Novi Sad, SERBIA

## Organising committee

Stefania PAGLIARA, Gabriele FERRINI, Claudio GIANNETTI, Luigi SANGALETTI

## Online Workshop

**Friday, January 28th, 2022**

**9:30-12:30; 14:30-17:30**

[Click here to join the workshop](#)