

# IN<sup>2</sup>UB INTERNATIONAL RESEARCH SEMINARS

## Thermal scanning probe lithography: from fundamentals to applications

Searching for new methodologies and techniques for tailoring the properties of materials at the nanoscale is of crucial importance both for the discovery of new phenomena, and for harnessing their potential in applications. Thermal scanning probe lithography (tSPL) is a direct-write nanofabrication technique, based on scanning a heated nanoscopic tip on the surface of a wide range of materials for producing highly localized thermally-induced transformations.

In this talk, Dr. Edoardo Albisetti will provide a brief history of tSPL and an overview of its applications, then the working principle of t-SPL will be introduced, focusing on its main features in terms of capabilities, advantages and limitations compared to other lithographic techniques. And finally, it will be given an outlook on current developments of tSPL for directly controlling the physical properties of condensed matter systems.



The IN<sup>2</sup>UB invites you to the webinar by

**Dr. Edoardo Albisetti**

Department of Physics of Politecnico di  
Milano, Italy

**SAVE THE DATE**

**April 28<sup>th</sup>, 2022 at 12.00h.**



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