

## Growth of epitaxial thin films and multilayers by pulsed laser deposition, with real-time and in-situ monitoring of the process and post-deposition analyses

Online Workshop, 10 July 2024

- 9:30 - 10:00 **Fabio Miletto Granozio, CNR-SPIN (Italy)**  
The NFFA-DI diffused infrastructure
- 10:00 - 10:30 **Pasquale Orgiani, CNR-IOM (Italy)**  
Pulsed laser deposition of oxide and non-oxide thin films by means of Nd:YAG infrared laser source: recent approaches and advances
- 10:30 - 11:00 **Milan Radovic, PSI (Switzerland)**  
Integrating Pulsed Laser Deposition and Advanced Spectroscopy: unveiling hidden phenomena in Transition Metal Oxides
- 11:00 - 11:30 **Felix Gunkel, Max Plank Institute (Germany)**  
Growth and defect engineering on transferable oxide membranes
- 11:30 - 12:00 **Simone Sanna, Università Tor Vergata (Italy)**  
Synthesis and characterization of free-standing Samarium doped Ceria membranes
- 12:00 - 12:30 **Anita Guarino, CNR-SPIN (Italy)**  
LaAlO<sub>3</sub>/Sr<sub>2</sub>RuO<sub>4</sub>: a new possible freestanding membranes platform
- 12:30 - 14:00 **Break**
- 14:00 - 14:30 **Luca Pellegrino, CNR-SPIN (Italy)**  
Fabrication of suspended epitaxial oxide thin films for micro & nanoelectromechanical transducers
- 14:30 - 15:00 **Gertjan Koster (/ Minh Nguyen), University of Twente (NE)**  
PLD Grown Multilayer Ferroelectric Energy Storage Capacitors
- 15:00 - 15:30 **Park Daesung, DTU (Denmark)**  
Tunable Electromechanical and Pyroelectric effects in Centrosymmetric Oxide films
- 15:30 - 16:00 **Laurence Méchin, CNRS - GREYC Caen (Fr)**  
Pulsed laser deposited epitaxial La<sub>2/3</sub>Sr<sub>1/3</sub>MnO<sub>3</sub> thin films for sensing applications
- 16:00 - 16:30 **Open Discussion**