

## STSM granted by OPERA Cost Action during first grant period

Title	Home institution	Host Institution
Epitaxial growth of $\text{Hf}_x\text{Zr}_{1-x}\text{O}_2$ thin films by pulsed laser deposition	Departamento de Física e Centro de Física, Escola de Ciências, University of Minho (Portugal)	Department of materials science and metallurgy, University of Cambridge (UK)
Understanding the scattering mechanisms in the 2D electron gas of InGaAs/InAs hybrid systems using gated hall bars	CNR-Istituto Officina Dei Materiali (Italy)	Budapest University of Technology and Economics (Hungary)
InGaN/GaN nanowire growth as origin to single photon light emitting diodes	Institute of High Pressure Physics of the Polish Academy of Sciences (Poland)	Polytechnical University of Madrid (Spain)
Nanostructured functional oxide thin films for photocatalytic and energy applications	Institute of Physics, University of Belgrade (Serbia)	Instituto de Ciencia de Materiales de Barcelona (Spain)
Preferred growth direction of III–V nanowires on differently oriented Si substrates	Rudjer Boskovic Institute (Croatia)	University College London (UK)
Optimization and preparation of nano-scale patterned substrates for epitaxy of semiconductor nanowire arrays	Clermont Auvergne University (France)	University of Bath (Germany)
DLTFS measurements on PZT gated GaN HEMTs	University of Twente (The Netherlands)	GREYC, CNRS-ENSICAEN-UNICAEN, Caen (France)
Development of the organic material coated $\text{TiO}_2$ nanotubes based $\text{H}_2$ sensor	Malatya Turgut Ozal University and Inonu University (Turkey)	Mads Clausen Institute, University of Southern Denmark (Denmark)
Hafnia based nanolaminates with potential on energy storage	National Institute of Materials Physics (Romania)	Institute of Materials Science of Barcelona (Spain)
Hexagonal boron nitride - epitaxial growth and wet transfer tuning	University of Lodz, Department of Solid-State Physics (Poland)	Institut d'Electronique de Microélectronique et de Nanotechnologie, IEMN (France)
2D materials for photonic computing	IFIMUP, University of Porto (Portugal)	Aalto University (Finland)
Development and characterisation of epitaxial metal oxide layers for resistive random-access memory	University of Lodz (Poland)	Technical University of Darmstadt (Germany)
Growth, structural and magnetic characterization of few monolayers $\alpha$ - $\text{FeGe}_2$ ordered films	Instituto de Engenharia de Sistemas e Computadores para os Microsistemas e as Nanotecnologias (Portugal)	Paul-Drude-Institut für Festkörperelektronik (Germany)
Epitaxial growth and characterization by $^{55}\text{Mn}$ nuclear magnetic resonance of high-quality ordered $\text{Mn}_5(\text{Si}_x\text{Ge}_{1-x})_3$ thin films	Aix Marseille University (France)	IFPAN, Institute of Physics Polish Academie of Science (Poland)
Anisotropic magnetoresistances based on epitaxial $\text{La}_2/3\text{Sr}_1/3\text{MnO}_3$ thin films deposited on vicinal $\text{SrTiO}_3$ substrates	IMDEA Nanociencia (Spain)	GREYC, CNRS-ENSICAEN-UNICAEN, Caen (France)
First-principles determination of novel skyrmionic materials among epitaxial heterostructures of chromium-trihalides and transition-metal dichalcogenides	Laboratory of Surface and Interface Physics, Biocolloid and Fluid Physics, Department of Applied Physics, University of Granada (Spain)	CRPP University of Bordeaux (France)
Topotactic phase transition of Epitaxial $\text{LaSrCoO}_{3-\delta}$ thin film via oxygen defects	Technical University of Denmark (Denmark)	Peter Grünberg Institute 7, Forschungszentrum Jülich (Germany)
Synthesis of micro and mesogels by microfluidics	Laboratory of Surface and Interface Physics, Biocolloid and Fluid Physics, Department of Applied Physics, University of Granada (Spain)	CRPP University of Bordeaux (France)
Second-principles simulations of epitaxial complex oxide thin films and superlattices	Universidad de Cantabria (Spain)	Univertité de Liège (Belgium)