

## SCHOOL ORGANISERS

Nuria Barniol, **UAB** nuria.barniol@uab.cat  
Francesc Torres, **UAB** francesc.torres@uab.cat  
Elisabetta Travaglia, **IOM-CNR**, travaglia@iom.cnr.it

## LECTURERS

Sivia Rubini, CNR-IOM  
Alexandr Petrov, CNR-IOM  
Pasquale Orgiani, CNR-IOM  
Regina Ciancio, CNR-IOM  
Piero Torelli, CNR-IOM  
Stefano Cozzini, CNR-IOM, Democritos  
Rossella Aversa, CNR-IOM, Democritos  
Francesco Sacchetti, Univ. degli Studi di Perugia  
Werne Schweika, Forschungszent Jülich GmbH  
Stefan Mattauch, Jülich Centre Neutron Science  
Friedrich Ott, Lab. Léon Brillouin CEA/CNRS  
Cristina Africh, CNR-IOM  
Mirco Panighel, CNR-IOM  
Giancarlo Panaccione, CNR-IOM  
Lisa Vaccari, Elettra Sincrotrone  
Andrea Locatelli, Elettra Sincrotrone  
Riccardo Cucini, CNR-IOM  
Tommaso Pincelli, Università degli Studi di Milano  
Martina Dell'angelo, CNR-IOM  
Claudio Masciovecchio, Elettra Sincrotrone

## VENUE

**BASOVIZZA CAMPUS @ AREA SCIENCE PARK**

Basovizza, Trieste ITALY

## REGISTRATION FEE

Includes: coffee breaks and lunches.

### REGISTRATION

100 €

### STUDENT TRAVEL SUPPORT

Students can apply for free registration and travel support **before the 15<sup>th</sup> of June 2018**.

### IMPORTANT

Sending a poster proposal and a letter from the students' supervisor is mandatory for all applicants.

## REGISTER

<http://www.nffa.eu/summer-school-2018>

### DEADLINE FOR REGISTRATION

29<sup>th</sup> June 2018

# 2<sup>nd</sup>

## NFFA-Europe SUMMER SCHOOL

Nanoscience Foundries  
and Fine Analysis (NFFA),  
available instruments  
and techniques

Basovizza, Trieste - Italy  
July 9-13, 2018



WWW.NFFA.EU



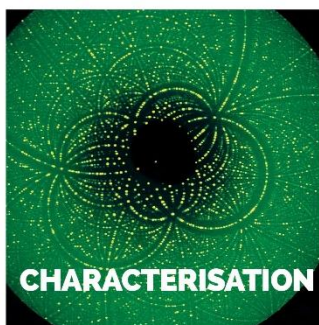
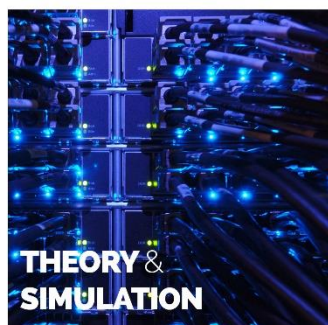
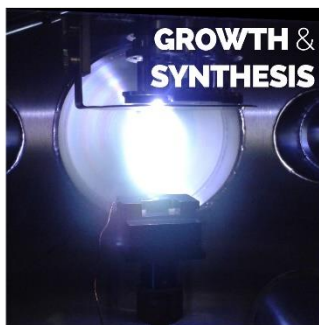
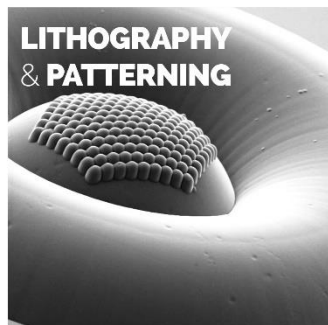
NFFA-Europe has received funding from the European Union's H2020 framework programme for research and innovation under grant agreement n. 654360

Organizers:

UAB, Barcelona, SPAIN  
CNR-IOM, Trieste, ITALY

nffa.eu

## TOPICS



The 5-day school will train participants in the instruments and techniques available for trans-national access at the NFFA-Europe consortium through lectures given by top NFFA-researchers and specialists from across Europe.

This second school will be devoted to growth techniques, to characterisation methods with selected focus on neutron scattering, microscopy and time-resolved spectroscopy, and to data management methods for compliance with FAIR criteria and EOSC goals.

## SCHOOL STRUCTURE

The NFFA-Europe school is open to graduate students, post-docs and young researchers, technicians, engineers, scientist from academic and industrial communities.

The School is organised as:

### LECTURES

Every topic will be developed in a one-day format with introductory lectures, lectures on specific applications/methodologies and some practical work.

### VISITS

Visits will be made to see first-hand all the relevant infrastructures at Trieste available for NFFA-trans-national access (lab-tours): Elettra-Synchrotron, FERMI-Free electron laser Radiation, specific labs at IOM-CNR (Istituto Officina dei Materiali), Supercomputer at SISSA (International School for Advanced Studies).

### POSTER SESSIONS

Participants will have the opportunity to widely discuss with lecturers and colleagues through two scheduled poster sessions (including a best poster award).

The detailed programme is available at <http://www.nffa.eu/summer-school-2018>

## AGENDA

### DAY 1

9<sup>th</sup> JULY

#### Focus on Complex Material Growth Techniques

-Molecular beam epitaxy and PLS

### DAY 2

10<sup>th</sup> JULY

#### Focus on Scientific Data Management

-FAIR and EOSC compliance, IDRP

### DAY 3

11<sup>th</sup> JULY

#### Focus on Neutron methods for surface and nanostructured systems

### DAY 4

12<sup>th</sup> JULY

#### Focus on nano-characterization

-Scanning Probe Microscopy and Spectroscopy  
-Microscopy & Spectroscopy with Synchrotron radiation

### DAY 5

13<sup>th</sup> JULY

#### Focus in time-resolved optical and electron Spectroscopies

-Pulsed source lasers  
-Free electron lasers

**NFFA opportunities for young researchers  
Closing and Poster Awards**