

Speakers



DR. PEDRO BARQUINHA

**Universidade Nova de Lisboa, Portugal
Materials Science Department, Science
and Technology Faculty.**

Key-words: transparent electronics, oxide nanostructures, advanced characterization tools



PROF. DR. ULLRICH PIETSCH

**Professor, Group leader, Nanoscience and Semiconductors,
University of Siegen, Germany Emmy-Noether-Campus, Department of Physics.**

Key-words: Semiconductor nanostructures, X-ray diffraction, free electron lasers

MANO WINTER WORKSHOP



SECOND CYCLE DEGREE/
TWO YEAR MASTER IN PHYSICS
Materials Physics and Nanoscience
(MANO)

WHEN

From 13 to 14 December 2018

WHERE

Physics and Astronomy Department,
Viale C Berti Pichat 6/II

Lecture Room n.1, level -1

INFO

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<https://corsi.unibo.it/2cycle/Physics/notice-board>

THURSDAY 13/12/18

9:00-11:00 Electronic band structure of
Prof. Pietsch semiconductor nanowire
heterostructures: Impact of
quantization and strain

11:00-13:00 Self-assembly and guided self-
Dr. Barquinha assembly; nanowire synthesis,
alignment and integration in
nanotransistors

13:00 - 14:00 LUNCH

14:00-16:00 POSTER SESSION
Student of
MANO curriculum

FRIDAY 14/12/18

9:00-11:00 Nanofabrication by photons,
Dr. Barquinha by electron&ion beam and by
replication (nanoimprint)

11:00-13:00 X-ray nanodiffraction of
Prof. Pietsch semiconductor nanostructures

13:00 - 14:00 LUNCH

14:00-16:00 Presentation of research
Dr. Barquinha activity
Prof. Pietsch Best poster award