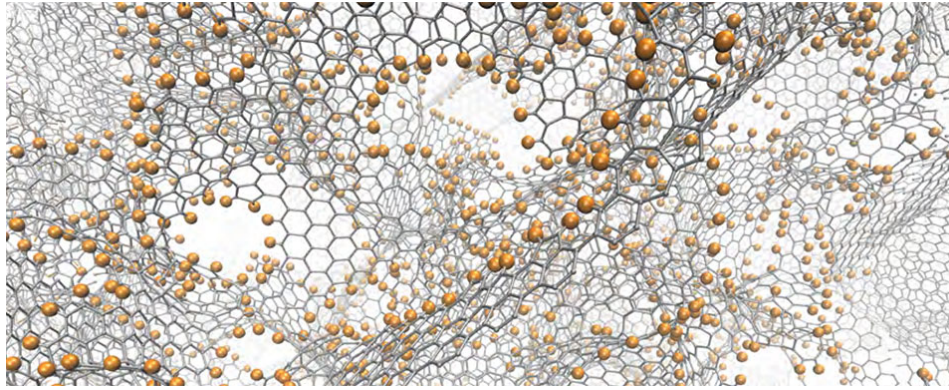


# Highlights in nanoscience



## Report of Contributions

Contribution ID: 5

Type: **not specified**

## Introduction

*Monday, 10 June 2019 09:15 (45 minutes)*

**Presenters:** Prof. ROLANDI, Luigi; Prof. BELTRAM, Fabio

**Session Classification:** 10 June

**Track Classification:** Highlights in nanoscience

Contribution ID: 6

Type: **not specified**

## **Synthesizing 2D materials for optoelectronics: approaches and prospects**

*Monday, 10 June 2019 10:00 (30 minutes)*

**Presenter:** Dr COLETTI, Camilla

**Session Classification:** 10 June

Contribution ID: 7

Type: **not specified**

## **Growth of III-V Semiconductor Nanowires and Transport Experiments in Nanowire-based Devices**

*Monday, 10 June 2019 10:30 (30 minutes)*

**Presenter:** Dr ROSSELLA, Francesco

**Session Classification:** 10 June

Contribution ID: 8

Type: **not specified**

## **The importance of surfaces for the properties of 2D materials: From graphene to phosphorene and back to III-Vs**

*Monday, 10 June 2019 11:30 (30 minutes)*

**Presenter:** Dr HEUN, Stefan

**Session Classification:** 10 June

Contribution ID: 9

Type: **not specified**

## **Superconducting quantum electronics lab @NEST**

*Monday, 10 June 2019 12:00 (30 minutes)*

**Presenter:** Dr GLAZOTTO, Francesco

**Session Classification:** 10 June

Contribution ID: **10**

Type: **not specified**

## **Electron Crystallography**

*Monday, 10 June 2019 14:00 (30 minutes)*

**Presenter:** Dr GEMMI, Mauro

**Session Classification:** 10 June

Contribution ID: 11

Type: **not specified**

## **Additive technologies for hybrid light-emitting and photo-responsive nanowires and networks**

*Monday, 10 June 2019 14:30 (30 minutes)*

**Presenter:** Dr CAMPOSEO, Andrea

**Session Classification:** 10 June



Contribution ID: 12

Type: **not specified**

## **Terahertz photonics and nanoelectronic**

*Monday, 10 June 2019 15:00 (20 minutes)*

**Presenter:** Prof. VITIELLO, Miriam

**Session Classification:** 10 June

Contribution ID: 13

Type: **not specified**

## **Nano-Mechanics at NEST: NIR and THz light control and strain engineering of 2D Materials**

**Presenter:** Dr PITANTI, Alessandro

**Session Classification:** 10 June

Contribution ID: 14

Type: **not specified**

## **Theory & Computer Modeling @NEST**

**Presenter:** Prof. TOZZINI, Valentina

**Session Classification:** 10 June

Contribution ID: 15

Type: **not specified**

## **New paradigms in nanoscale biophysics: looking at life inside cells**

**Presenter:** Prof. CARDARELLI, Francesco

**Session Classification:** 11 June

Contribution ID: 16

Type: **not specified**

## **The ultrasmall-in-nano design**

**Presenter:** Dr VOLLANI, Valerio

**Session Classification:** 11 June

Contribution ID: 17

Type: **not specified**

## **Nano-BioStructures: Complex Design & Applications**

**Presenter:** Dr GARAU, Giampiero

**Session Classification:** 11 June

Contribution ID: **18**

Type: **not specified**

## **Exploring the brain in space and time**

**Presenter:** Dr RATTO, Gianmichele

**Session Classification:** 11 June

Contribution ID: **19**

Type: **not specified**

## **Intracellular nanoscale biophysics by design**

**Presenter:** Dr BIZZARRI, Ranieri

**Session Classification:** 11 June



Contribution ID: 20

Type: **not specified**

## **Microfluidics and nanomaterials for biosensing and the nervous system**

**Presenter:** Dr CECCHINI, Marco

**Session Classification:** 11 June

Contribution ID: 21

Type: **not specified**

## **PlantLab: physiological and molecular basis of plants' adaptation to dynamic environments**

**Presenter:** Dr PUCCIARELLO, Chiara

**Session Classification:** 11 June

Contribution ID: 22

Type: **not specified**

## **Synthetic Biology approaches to Neurosciences: an opportunity for Bio@ SNS and Nest?**

**Presenter:** Prof. CATTANEO, Antonino

**Session Classification:** 11 June

Contribution ID: 23

Type: **not specified**

## **Closing discussion**

**Session Classification:** 11 June