



Embassy of India
Rome



 Istituto dei Sistemi Complessi



Light and technology: the frontiers of emergent systems

The scientific perspectives of Italy-India collaborations

Rome, 18 March 2019

Department of Physics, Sapienza University of Rome

Venue – Sala Lauree

This one-day meeting aims at bringing together experts in the field of light-matter interaction, from low- and high-frequency spectroscopy to photonics. These protocols offer a promising tool to characterize and manipulate physical systems, ranging from hard matter to biological systems, with a high potential not only for fundamental research but also for applications in medicine, security and aerospace. On this occasion, will be presented some on-going research activities involving scientists in Italy and India, within the frame of the Executive Program of Scientific and Technological Cooperation between the Republic of India and the Italian Republic for the years 2017 – 2019.

Program:

9:45 – 10:00 Welcome coffee

10:00-10:45 Introduction & Opening Remarks

Prof. Renato Gaudio, Rector of Sapienza University

H. E. Reenat Sandhu, Ambassador of India in Italy and S. Marino

Prof. Corrado Spinella, Director of the Department of Physical Sciences and Technology of Matters of the National Research Council (CNR)

Delegate of the Italian Ministry of Foreign Affairs and International Cooperation

Dr Valentina Grippo, Counselor at Lazio Region, Vice President IX^o Commission – Employment, Education, Youth Policies, Equal Opportunities, Education

11:00-12:30 Scientific program

Lara Benfatto: Superconducting two-dimensional materials and the SuperTop project.

Boby Joseph: Indo-Italian scientific cooperation – Elettra Sincrotrone Trieste: Opportunities for material's advanced characterization down to atomic levels.

Claudio Conti: Photonics of complex systems, from antibacterial coatings to cancer detection.

12:30 Light Refreshments

Organizers:

*Lara Benfatto, ISC-CNR and Sapienza University
Naurang Saini, Sapienza University*