



AIV XXII Conference



Genova - Palazzo della Meridiana - May 20-22, 2015

From Evangelista Torricelli to Andre Geim: conceptual architectures for Ambient, Energy, Healthcare

The AIV XXII Conference focuses on several strategic and fundamental goals of Horizon 2020 program and will be a forum for researchers to present the most recent developments, provide prospects for development, promote competitiveness and innovation in the global economic growth and stimulate collaborative efforts between researchers and industrial world

Fusion Technology

ITER: a huge step towards the realization of fusion energy.

DEMOstration fusion reactor: the final step before the commercial fusion plants

Invited Speaker: Raffaele Albanese - Università di Napoli

Status and Perspective of the Project of a Nuclear Fusion Infrastructure for Testing Alternative Power Exhaust Systems

Invited Speaker: Giuseppe Zollino, Chiara Bustreo - Università di Padova

Scenarios for power generation in Italy by 2020

Scientific Committee

Paolo Ossi	Politecnico di Milano (<i>Presidente</i>)
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Organizing Committee

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Enrica Ricci	CNR IENI Genova
Letizia Savio	CNR IMEM Genova

Industrial Plasmas

Microelectronics, micro-nanotechnology, energy and environmental technology, the life sciences and plasma medicine

Invited Speaker: Anna Maria Coclite - Institute of Solid State Physics - Graz Univ. Technology (Austria)

Initiated PECVD: a new strategy to enhance monomer structure retention

Surface Science and Nanostructuring at Surfaces

Characterization of surfaces and ultrathin films - New fabrication and characterization methods and processes for ultrathin films and novel nanostructured materials

Invited Speaker: Fausto Sirotti - Synchrotron SOLEIL (Gif-sur-Yvette, Francia)

Magnetic and electronic properties coupling lasers and synchrotron radiation spectroscopy

Innovative Materials for Microelectronics and Sensors

Deposition and fabrication methods for micro- and nano-electronics.

Smart technologies, non-volatile memories and micro-sensors.

Invited Speaker: Livio Baldi - Micron Semiconductor Italia srl (Italia)

Emerging non-volatile memories

Biointerfaces

Biomaterials , tissue engineering, microfluidics and biomedical devices

Invited Speaker: Silvia Giordani - IIT (Milano, Italia)

Functionalization of carbon nano-onions for biomedical applications

Vacuum Technology

Vacuum issues in the operation of the LHC injector, superconducting cavities for the European XFEL, NEG pumps, control process innovations in research and industrial vacuum systems

Invited Speaker: Cristina Bellachioma - GSI GmbH (Darmstadt, Germania)

The Fair project at GSI

IMPORTANT DATES

Conference Registration: **April 15, 2015**

Exhibition Registration: **March 31, 2015**

Abstract Submission: **March 31, 2015**

AIV Associazione Italiana
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