

Call for Papers and Call for Workshops open!

NANOTECHITALY 2015

The 8th edition of the International Conference NanotechItaly 2015, will take place in **Bologna on the 25-27 of November**. With the contribution of experts from industry, government and academic laboratories worldwide, the three days event is designed to **showcase nanotechnologies and the other Key Enabling Technologies related innovations** and spotlight applications oriented research in fields crucial for growth and wellbeing.

The Conference aims to illustrate how Responsible Research and Innovation (RRI) principles should guide the development of these technologies, answering the demand for an innovation safe and responsive to societal challenges and needs.

The program, with oral and poster presentations, will cover topics of great relevance, of interest to a broad range of industrial sectors. Themes of the Conference are:

✓ **HEALTHCARE & MEDICAL DEVICES**

Diagnosis and treatment of degenerative and cognitive diseases; Cancer therapies; Biophotonics; Monitoring and sensing devices

✓ **BIO-INSPIRED AND BIO-BASED TECHNOLOGIES**

Environmentally friendly processes and products; Energy storage, saving and production; Bio-inspired materials; Catalysts.

✓ **SMART MANUFACTURING & ROBOTICS**

Nanofabrication: processes and production; Additive manufacturing; Sensing and Actuation; Automation; Human-machine interfaces; Soft robotics; Characterization and measurements.

✓ **AEROSPACE RELATED APPLICATIONS**

Micro-nano materials and systems for space applications and their spill over on every day products.

✓ **MATERIALS & GRAPHENE-BASED INNOVATION**

Structural and functional materials for performances driven innovation; Multifunctional, light weight, composite materials; Graphene and 2D materials for electronics, energy and composites.

✓ **KETs FOR THE MADE in ITALY**

Food packaging (e.g. intelligent, active, biodegradable packaging)

Anti counterfeiting

Cultural heritage: materials based solutions for protection, preservation ad restoration

Common aspects for technology transfer, such as regulation, safety, ethical and societal impacts, open innovation, financing, patents, start-ups will also be part of the programme.

Call for Papers

Contributions should address scientific and industrial developments in the above areas and can be in the form of an oral presentation or a poster. Priority for oral presentations will be given to contributions related to research at medium to high maturity levels (Technology Readiness Level ≥ 4).

The abstracts will be reviewed by the Conference Scientific Committee.

Deadline (extended): July 31st, 2015

Call for Workshops

Contributions should aim at presenting activity and results of EU, national, regional research and innovation initiatives addressing the themes of the Conference. The selected workshops will be included in the programme and in the dissemination material of NanotechItaly. Conference services will be available, upon reimbursement of the costs (details available upon request).

Limited space is available. The order of arrival of the requests will set the priority of the selection.

Deadline (extended): July 31st, 2015

Scientific Committee

The Conference Scientific Committee is composed by more than thirty experts from public research organizations and industry. The full list is available on the Conference website ([link](#))

Networking

A dedicate networking event will be organized during the 3 days of Conference by the European Enterprise Network of the European Commission, Aster and Simpler. Bilateral meetings will provide a perfect opportunity for nanotech professionals to exchange knowledge and information, to share and discuss ideas, to evaluate potential (international) collaboration, and to find future business or project partners.

Exhibition Area and Sponsorship Opportunities

Flexible exhibition and sponsorship packages are offered to suit the promotional requirements of companies, research institutions, research related organizations.

Attendees

An average of more than 500 participants a year attended the past seven editions, coming from more than 35 countries worldwide: representatives of national and international leading edge companies, universities, research centers, business and government organizations.

In 2014, there have been 3 introductory lectures, some 100 oral presentations, 140 poster, 18 exhibitors, 5 workshops.

The last four editions were under the **Distinguished Patronage of the President of the Italian Republic**.

Past editions

[NanotechItaly 2014 programme](#) – [Other editions \(2008, 2009, 2010, 2011, 2012, 2013\)](#)

Venue

CNR Conference Centre, Bologna ([link](#)).

Organisers

- Italian Association for Industrial Research (AIRI)
- Veneto Nanotech
- National Research Council (CNR)
- Istituto Italiano di Tecnologia (IIT)

www.nanotechitaly.it