

ENEX WORKSHOP ON NANOTECHNOLOGY

Tuesday June 20, 2017 9.00 -13.00

*Aula Magna "Giuliano Toraldo di Francia"
c/o Area CNR, Via Madonna del Piano 10, Sesto Fiorentino (FI)*

ENEX WORKSHOP ON NANOTECHNOLOGY is an event organized by IFAC-CNR and ASEV within the framework of Erasmus + Project ENEX: Expert in Nanotechnology EXploitation. ENEX aims to develop advanced training modules for graduate and postgraduate students as well as professionals in industry, research and the service sector in the fields of nanotechnology and innovation management. The final goal is an interdisciplinary open license e-learning course merging both technology and management content into one novel qualification concept.

Within ENEX WORKSHOP ON NANOTECHNOLOGY, stakeholders from academia, companies and social service and educational sectors will share their most recent achievements on nanotechnology research and on the development of relevant translational strategies.

Objectives of the workshop:

- Presentation of outstanding cases in nanotechnology research;
- Presentation of success stories in nanotechnology exploitation;
- Presentation of ENEX platform for vocational education and training.

Free attendance

For more info: Lucia Cavigli: l.cavigli@ifac.cnr.it, Giulia Rigoli: g.rigoli@asev.it

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Meet the experts

Agenda

Chair: R. Pini (IFAC-CNR Director)

9:00 Registration

9:15 R.Pini (IFAC-CNR Director): Opening Remarks

Keynote lecture

9:25 A. Caneschi (INSTM - UNIFI): From the development of advanced techniques at the nanoscale to the problem solving activities for SME R&D

Session: Research Activities I

9:45 F. Ratto (IFAC-CNR): Light plus ultrasound activated microbubbles for cancer treatment

10:00 F. Baldini (IFAC-CNR): Fluorescent magnetic nanoparticles for the detection of immunosuppressants in transplanted patients

10:15 S. Soria (IFAC-CNR): Optomechanical sensing based on Whispering Gallery Mode resonators

10:30 P. Matteini (IFAC-CNR) Plasmon-enhanced Raman spectroscopy for early diagnosis of Alzheimer's disease

10.45 Coffee Break (30')

Session: Research Activities II

11:15 M. Villagrán (CCADET - UNAM): Lines of research of the Photophysics Laboratory at the National Autonomous University of Mexico (UNAM)

11:30 A. Giannetti (IFAC-CNR): Nanoparticles as intracellular carriers of oligonucleotidic optical switches for theranostic purposes

11:45 S. Pelli (IFAC-CNR): Rare Earth Doped Glasses and Glass-ceramics and their Applications to Solid State Lighting and Photovoltaic Technologies

Session: Training and Exploitation

12:00 G. Rigoli (Asev)/L. Cavigli (IFAC-CNR): ENEX – Expert in Nanotechnology Exploitation: the e-course

12:15 G. Baldi (President of MATE Distretto Tecnologico Regionale per i Nuovi Materiali): MATE- The Regional Technological District for New and Advanced Materials

12:30 G. Baldi (Ce.Ri.Col. Director): Ce.Ri.Col.- a success story on nanotechnology exploitation

12:45 F.Ratto (IFAC-CNR) Closing Remarks

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