

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

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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