

European Physical Society

Young Minds Section of Messina

Antonino Foti (vice-president)

2nd Leadership meeting, 21-23 June 2013, Mulhouse - France







young Minds Messina

OUR TYPICAL SEMINAR

- Symposium focused on high impact physics topics
- ✤ 1-2 invited speakers of international level plus researchers from local scientific community.
 - presentations from the basic principles to the recent research results
 - Credits for students (ECTS)
 - AUDIENCE

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More than 50 people from University of Messina, Catania, Palermo and Reggio Calabria, composed by

- Bachelor , master and Ph.D. students;
- researchers and professors

<u>Our aim is to send a message of scientific communication in which the</u> <u>students are the main interlocutors</u>



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Symposium on "QUANTUM INTERFERENCE"

- * Ettore Majorana and the birth of autoionization
 - Prof. Ennio Arimondo (University of Pisa)
- * Fano resonances in Si and Si nanostructures
 - Dr. Alessia Irrera & Dr. Barbara Fazio (IPCF-CNR, Messina)
- Playing with quantum coherence in nanophotonics
 - Dr. Alessandro Ridolfo (University of Messina)





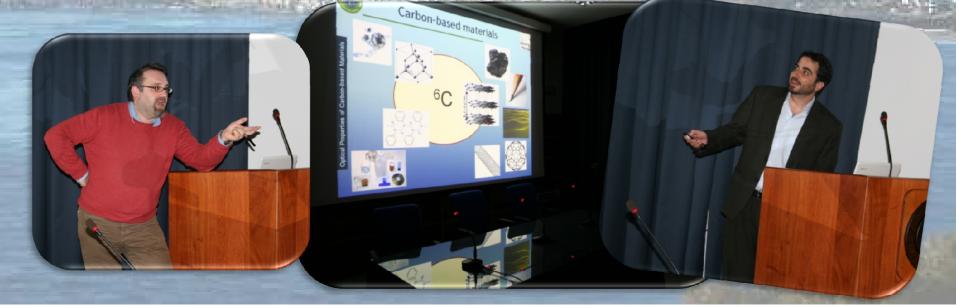


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Symposium on "Carbon-based Materials & SERS"

Optical properties of carbon-based materials Prof. Elefterios Lidorikis (University of Ioannina, Greece)

Strongly Polarized Surface Enhanced Resonant Raman Scattering from Many Randomly Oriented Molecules on Gold Nanowires: Influence and Quantitative Evaluation of the Re-Radiation Effect Dr. Pietro Gucciardi (IPCF-CNR, Messina)





Symposium on "Ionic Liquids"

- Prof. Luís Paulo N. Rebelo (ITQB, Universidade Nova de Lisboa)
- Dr. José Esperança (ITQB, Universidade Nova de Lisboa)
- Dr. Isabel Mota Veiga (ITQB, Universidade Nova de Lisboa)
- * Dr. Alessandro Triolo (ISM-CNR, Roma)
- Prof. José Nuno Canongia Lopes (ITQB, Universidade Nova de Lisboa)
- Dr. Karina Shimizu (ITQB, Universidade Nova de Lisboa)
- * Dr. Barbara Fazio (IPCF-CNR, Messina)





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al SERS intensi

Symposium on Nanophotonics & Plasmonics

- The chemical contribution to SERS by photon driven transient electron (or hole) transfer from metal to adsorbate at "SERS-active" sites. Prof. Andreas Otto (University of Düsseldorf)
- Plasmonic properties of noble metal nanoparticles studied in a with the discrete dipole approximation dipole. Nof of CT excitation in a Prof. Vincenzo Amendola (University of Padova)
- Solution growth approaches to complex nanocrystal structures: semiconductor-based colloidal nanocrystals and heterostructures. Dr. Luigi Carbone (IPCF – CNR)



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The 7th Day with Theoretical Physics in Messina

Distinguishability, Entanglement and the Zeno Paradox. Dr. Augusto Smerzi (QSTAR, INO-CNR and Lens, Firenze).

Higgs boson - a Nobel particle.
Prof. Paolo Castorina (University of Catania).

* Other speakers:

- Dr. Lucrezia Auditore (University of Messina)
- Dr. Alessandro Ridolfo (Technische Universität Müne
- Dr. Dino Costa (University of Messina)
- Dr. Salvatore Spagnolo (University of Palermo)



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The 7th Day with Theoretical Physics in Messina





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Messina

Planetarium Phytagoras

* Solar observation.

 Didactic lessons on astronomical phenomena and their reproduction by planetarium.

Reserch talk on light scattering by interstellar dust Dr. Antonella latì (IPCF-CNR, Messina)



OUTREACH

Young Minds Messina

Partecipation to:

- "18° Rassegna dell'Orientamento Universitario e Professionale"
- "Giornata degli Studenti di Fisica"



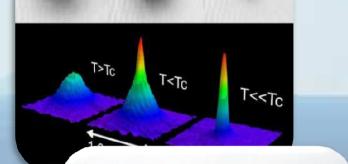


NEXT PROJECTS

Young Minds Messina

Supercooled Atoms (grant accepted)

- * Symposia on Nuclear physics topics
- Approch to Geophysics: excursion on volcano Etna







CONCLUSIONS



Thanks to the financial support of the EPS we are able to organize events in which we involve and fascinate young physics students to the many aspects of physics.

The informal atmosphere of events organized "by Students for Students" and the lively scientific discussions make us feel part of a community sharing its Passion for Physics.



European Physical Society Young Minds

Thank you For the attention

INFO:

- ✓ http://www.epsyoungminds.org/section/messina
- ✓ EPS Young Minds Messina on Facebook

