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Measurements in the World of
Nanosensing

Lecce, Italy
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Editors:

Aime Lay-Ekuakille

Wen Jun Li

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NANOfIM Conference
c/o Aimé Lay-Ekuakille
University of Salento
Piazza Tancredi 7
73100 Lecce LE, Italy

Phone: +39.0832.297821
Fax: +39.0832.297827

aime.lay.ekuakille@unisalento.it

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SCIENTIFIC PROGRAMME

Nanofim2015
Nanotechnology in Instrumentation and Measurement

Friday, July 24

9:00 AM – 09:30 AM *S0: Inaugural Ceremony*

Nanofim2015 Symposium presentation

Aimé Lay-Ekuakille, General Co-Chair, University of Salento, Italy

Welcome speech

Academic authorities

Civil authorities

Wen J. Li, President Elect, IEEE Nanotechnology Council, City University of Hong Kong

09:30 AM-10:10 AM *K1: Keynote addressing #1*

Chairperson: Aimé Lay-Ekuakille, University of Salento, Italy

Nanocapsules, nanomedicine, drug delivery and perspectives of a joint use with motion rehabilitation

Viviana Vergara, University of Salento, Italy

10:10 AM – 10:30 AM *Coffee break #1*

10:30 AM-11:10 AM *K2: Keynote addressing #2*

Chairperson: Wen J. Li, City University of Hong Kong, Hong Kong

Carbon Nanotube Polymer Composites for High Performance Strain Sensors 12

Olfa Kanoun, Technical University Chemnitz, Germany

11:10 AM-12:50 PM *S1A: Emerging technologies and measurement techniques of nanostructured and hierarchical polymeric composites*

Chairpersons: Antonio Greco, University of Salento & Francesca Lionetto, University of Salento

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2. Using ultrasound wave propagation to estimate the dispersion of nanostructures in polymers with complex molecular architectures 21

C. Espinoza-González, C. Ávila-Orta, G. Martínez-Colung, F. Lionetto, F. Montagna, A. Maffezzoli

3. Rapid Prototyping of hydroxyapatite polymer based nanocomposites for bone tissue engineering 26

C. Esposito Corcione, F. Scalera, L. Natta, F. Montagna

4. Preliminary assessment of chitosan nanoparticles for growth factor delivery 31

F. Scalera, F. Gervaso, M. Madaghiele, V. De Benedictis, C. Demitri

5. Graphene reinforced Chitosan-Cinnamaldehyde derivatives films: antifungal activity and mechanical properties 36

C. Demitri, A. S. Tarantino, A. Moscatello, V. M. De Benedictis, M. Madaghiele, A. Sannino, A. Maffezzoli

11:10 AM-12:50 PM *S1B: Optical Biosensing: from Point of Care Appl. to Intracellular Nanosensing I*
Chairpersons: A. Giannetti & F. Baldini, CNR – Institute of Applied Physics, Italy

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G. Barillaro (invited talk)

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01:00 PM – 01:50 PM *Lunch #1*

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Chairperson: Luciana Dini, University of Salento, Italy

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Sergio Casciaro, CNR - Institute of Clinical Physiology, Italy

02:30 PM-04:10 PM *S2A: Optical Biosensing: from Point of Care Appl. to Intracellular Nanosensing II*

Chairpersons: G. Barillaro, University of Pisa, Italy & R. Bernini, CNR IREA, Italy

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Chairpersons: P. Carlucci & G. Ciccarella, University of Salento, Italy

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04:10 PM – 04:30 PM *Coffee break #2*

04:30 PM – 06:30 PM *S3A: Nanotheranostics, medical Imaging and Biomedical Applications*

Chairpersons: S. Casciaro & F. Conversano, CNR - IFC, Italy

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Chairpersons: P. Prete, CNR - IMM Italy & N. Lovergine, University of Salento, Italy

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08:30 PM – 22:30 PM *Workshop Full Supper at Bassa Marea Beach (Porto Cesareo City, Jonian Sea)*

Saturday, July 25

8:30 AM-9:10AM *S4: Keynote addressing #4*

Chairperson: Helen Asemota, University of West Indies, Jamaica

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E. Williams, Syntraguard LLC, North Carolina, USA

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Chairpersons: G. Cicala & A. Massaro, CNR Nanotech, Italy

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10:40 AM – 11:30 AM *PS1: Poster session*

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11:30 AM – 12:30 PM Round table of Exhibitors

Chairperson: G. Andria, Polytechnic of Bari, Italy

12:30 PM – 01.15 PM Special Issue, feedback and nanofim2016

01:15 PM – 02:15 PM *Lunch #2*

02:15 PM – 02:45 PM *Farewell*

A. Lay-Ekuakille, S. Casciaro, G. Andria

Announcement updates

Poster surface: 80 cm large, 120 cm height

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