Scientific Program

Registrations
08:30-09:00

PULSUS
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Opening Ceremony
09:00-09:10

Day 1 : October 16, 2019

Conference Hall: Olimpica 2

Introduction

Keynote Forum

09:10-09:55

Title: Ring models of nanomaterials

Pavel Osmera | Brno University of Technology | Czech Republic

09:55-10:40

Title: Exterior and interior of the Black Hole M 87

Andrzej Radosz | Wrocław University of Science and Technology | Poland

Group Photo

Networking & Refreshment Break 10:40-11:00 @ Foyer

11:00-11:45

Title: Polyamidoamines and polyamidoaminoacids: Bioinspired biocompatible polymers for nanomedicine applications

Paolo Ferruti | Università degli Studi di Milano | Italy

11:45-12:30

Title: Air and water quality sensing through nanomaterials engineering in the home appliance industry

Cristina Bertoni | Electrolux Italia | Italy

Panel Discussion

Lunch Break 12:30-13:30 @ Hotel Restaurants

Sessions on: Nanomaterials | Nanotechnology | Nanoelectronics | Nano Composites | Nanoparticles

Session Chair: Pavel Osmera | Brno University of technology | Czech Republic

13:30-14:00	**Title: A nucleus-entering ruthenium-based polymeric nanosized photosensitizer for efficient photodynamic therapy** **Elisabetta Ranucci** | University of Milan | Italy
14:00-14:30	**Title: Clean nanotech, biomimicry as perspective for innovative solutions for sustainability** **Domenico Vito** | Politecnico di Milano | Italy
14:30-15:00	**Title: Ring models of atoms, molecules and nanomaterials** **Pavel Osmera** | Brno University of Technology | Czech Republic
15:00-15:30	**Title: Reprograming the cancer cells metabolism using nanotechnology** **Eva Martin del Valle** | University of Salamanca | Spain
15:30-16:00	**Title: Emotional decision-making biases prediction in cyber-physical systems** **Corredera** | Technical University of Madrid | Spain

Panel Discussion

Networking & Refreshment Break 16:00-16:20 @ Foyer

Sessions on: Robotics in Nanotechnology | Artificial Intelligence | Internet of Things (IOT) | Nano Computational Modelling

Session Chair: Andrzej Radosz | Wrocław University of Science and Technology | Poland

16:20-16:50	**Title: The antimicrobial and immune modulatory effects of bio-inspired nanoparticles produced from indigenous flora of South Africa** **Mervin Meyer** | University of the Western Cape | South Africa
16:50-17:20	**Title: Synergetic quantum computing and artificial intelligence chips** **Somnath Bhattacharyya** | University of the Witwatersrand | South Africa

Young Research Forum

17:20-17:40	**Title: Ultrasounds, microwaves and high pressures application for in nanomedicine** **Urszula Szałaj** | Institute of High Pressure Physics | Poland
17:40-18:00	**Title: A wish list for AI support of a nanotechnology laboratory** **Igor Martynowicz** | Institute of High Pressure Physics | Poland

Panel Discussion

Day 2 : October 17, 2019

B2B Networking & Lunch

Awards & Closing Ceremony