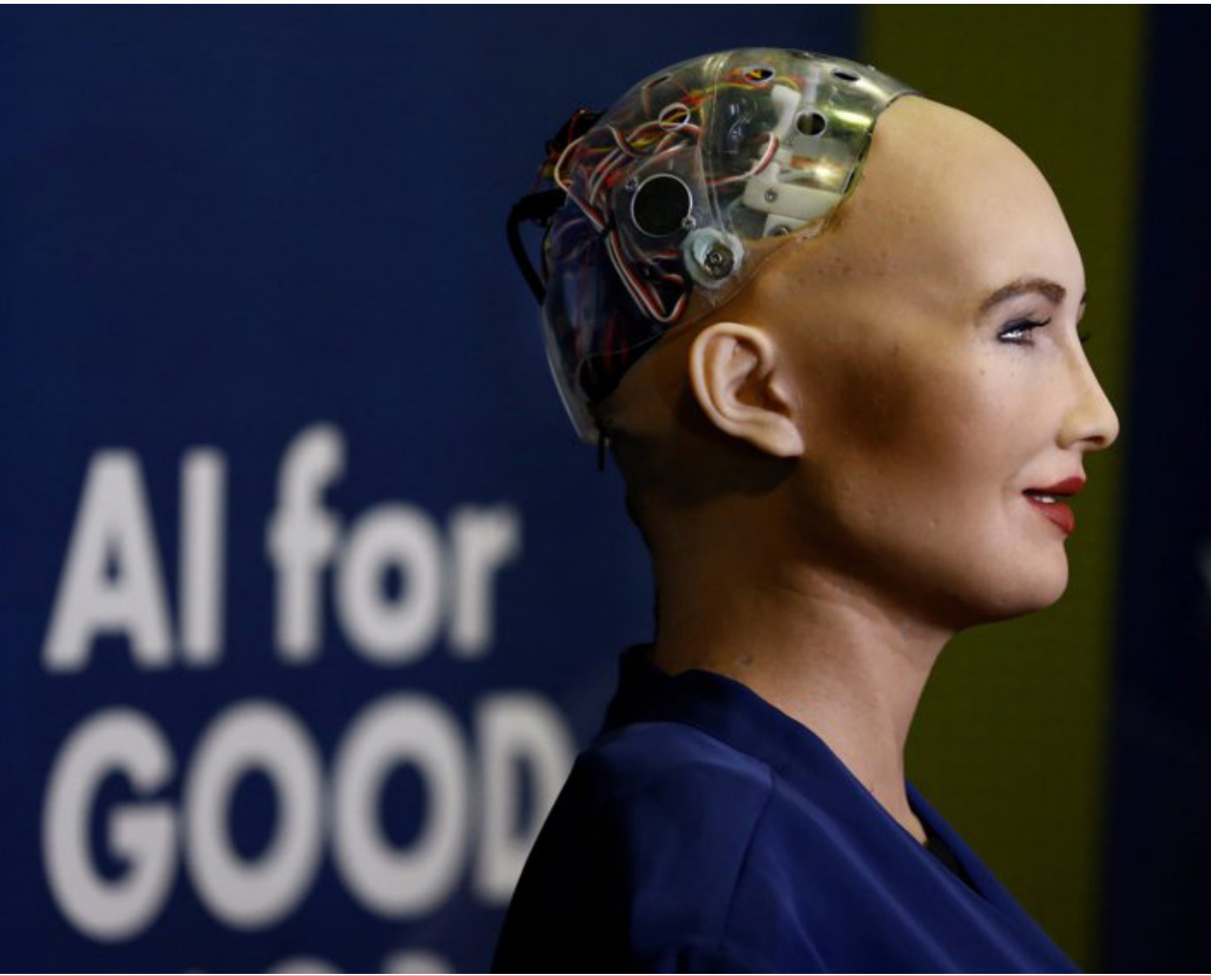
17th Edition of International conference on

EMERGING TRENDS IN MATERIALS SCIENCE AND NANOTECHNOLOGY



April 26-27, 2018
Rome, Italy

EuroSciCon

Nanomat 2018

Agenda Day 1: April 26, 2018

Meeting Hall - Olimpica 1

08:30-09:00 **Registrations**

09:00-09:30 Opening Ceremony

Keynote Forum

Introduction

09:30-10:00 **Title: Optimization of Al-doped ZnO transparent electrodes with and without thermal assistance using HiPIMS**
David Horwat, University of Lorraine, France

10:00-10:30 **Title: Multiferroic ceramic composites: processing and microstructure**
Carmen Galassi, National Research Council of Italy, ITALY

Networking & Refreshment Break @Foyer (10.30-10:50) Group Photo

10:50-11:20 **Title: Nanomaterials as lubricant additives for more efficient and more environmentally friendly engine lubricant**
Fabrice Dassenoy, Laboratory of Tribology and Dynamics of Systems, FRANCE

Sessions: Advanced Nano Materials | Nano Electronics | Nanotechnology For Clean Energy and Environment | Nano Applications and Others

Session Chair: Ping Furlan, U.S. Merchant Marine Academy, USA

Session Co-Chair: Haruhisa Kato, AIST, Japan

Session Introduction

11:20-11:45 **Title: Bimetallic Acetate Complexes Derived La(III)-Doped TiO2 Nanofibers For Claus Catalysts**
Ruohong Sui, University of Calgary, Canada

11:45-12:10 **Title: Spin-orbit interaction and topological phase in atom-thin layers**
Junji Haruyama, University of Tokyo, Japan

12:10-12:35 **Title: Facile preparation of oxidation resistant magnetite-based nanocomposites for water treatments**
Ping Furlan, U.S. Merchant Marine Academy, USA

Lunch Break 12.35- 13.20 @hotel Restaurants

13:20-13:45 **Title: Morphological instability of thin films deposited on substrates**
Jerome Colin, France

13:45-14:10 **Title: The Use of Electron Spin Resonance in Studying the Synergy Be-tween Organic and Inorganic Component in Hybrid Elastomer Based Composites**
Aleksandra Ivanoska-Dacikj, Research Centre for Environment and Materials, Macedonia

14:10-14:35 **Title: Characterization of nanomaterials using filed-flow fractionation**
Haruhisa Kato, AIST, Japan

14:35-15:00 **Title: Crystallization of 1,2,4,5 tetrabromobenzene under nanoscale confinement**
Abdullah Khalil, Abu Dhabi

Networking & Refreshment Break @Foyer (15.00- 15.15)

15:15-16:40	**Title: Tuning Ferroelectricity in [BaTiO3]m/[BaZrO3]n superlattices: an ab initio study** Nadia Iles, Oran University, Algeria
16:40-17:05	**Title: Bio-based nanomaterials for diversified applications** Md Iftekhar Shams, Bangladesh
17:05-17:30	**Title: Synthesis & Characterization of Cobalt –Graphene Nano Composite by Mechanical Milling and Sonicated Exfoliation** Krishna Kumar, Upender Pandel, Malaviya National Institute of Technology Jaipur, India

Networking & Refreshment Break @Foyer (17.30- 17.45)

Agenda Day 2: April 27, 2018

Meeting Hall - Olimpica 1

08:30-09:00 **Registrations**

Keynote Forum

09:00-09:30	**Title: Room temperature hydrogenation in functional oxide nanowires by an electric field via air nanogap** Teruo Kanki, Japan
09:30-10:00	**Title: Single DNA Sequencing and Visualization of miR-134 in Nerve Cells with Force-based AFM** Joon Won Park, Pohang University of Science and Technology, KOREA (South)

Networking & Refreshment Break@Foyer (10.00- 10.20)

Sessions: Bio Polymers And Bio Plastics | Advanced Materials Science | Nano Composites | Nano Technology In Materials Science and Others

Session Chair: Ana-Maria ALBU,POLITEHNICA University,Romania

10:20-10:45	**Title: Semiconductor Quantum Dots for Light Emitting Applications.** Raffaella Signorini, University of Padova, Italy
10:45- 11:10	**Title : Design and potential cosmetic applications of multi-responsive microgels and self-assembled microgel films** Garbine Aguirre, University of Pau & Pays Adour, France
11:10- 11:35	**Title: Structural Peculiarities of the Polymer- DNA Assembles** Ana-Maria ALBU, POLITEHNICA University, Romania
11:35- 12:00	**Title: High pressure synthesis of new superhard nanostructured boron compounds** Yann Le Godec, UPMC Sorbonne Universite, France
12:00- 12:25	**Title: Physicochemical properties of Ti based MXenes obtained from SHS synthesized MAX phases and their application for energy storage** Sergii A Sergiienko, National University of Science and Technology MISiS, Russia

Lunch Break 12.25- 13.10 @hotel Restaurants

13:10- 13:35	**Title: Fabrication of electronically active hybrid photosynthetic reaction center proteins and metals** Chanoch Carmeli, Tel Aviv University, Israel
13:35-14:00	**Title : Combined Effect of 830 nm Laser Irradiation and Silver Nanoparticles in WS1 Wounded Cells** Sathish Sundar Dhilip Kumar, University of Johannesburg, South Africa
14:00-14:25	**Title : Investigation of Friction and Wear Properties of Silicon Nitride reinforced polycarbonate nanocomposites** Anil Kumar Bhargava, MNIT, India
14:25-14:50	**Title: Synthesis and Characterization of TiO2 Nanoparticles by Sol- gel Method** Rajendra Duchaniya, Malaviya National Institute of Technology, India

Networking & Refreshment Break @Foyer 14:50-15:05

Poster Presentations 15:05- 16:00

GCP 01

Title: Nano-calcite preparation aimed at consolidating stones for cultural heritage applications

Luca Panariello,University of Pisa, Italy

GCP 02

Title: Experimental characterization of 316L nanocristallized multilayer structure

Laurent Waltz,University of Montpellier, France

YRF SESSION

16:00-16:20

Title: Boron and Gadolinium Rich Nanoparticles for Neutron Capture Therapy of Cancer

Yulia Yegeris,Ilya Zharov,University of Utah, USA

16:20-16:40

Title: Evaluation of hemostatic behavior of Gelatin- silica nanohybrid by changing the pH of injury in severe bleeding

Soodeh Moradi,Italy

16:40-17:00

Title: Multiplex detection of protein biomarkers with surface enhanced Raman spectroscopy (SERS)

Lei Wu,INL, Portugal

Panel Discussion

Awards & Closing Ceremony