Scientific Program

Day 1: October 7, 2019 @ Meeting Room B1B

08:00-09:00 Registration

09:00-09:30 Opening Ceremony

Keynote Session

09:30-10:15 **Title: A novel technique to grow high quality graphene layers on either face of silicon carbide (4H-SiC and 6H-SiC) wafers**
Brahm Pal Singh, Life Solutions Company-Panasonic Corporation, Japan

Session Introduction

Sessions: Advanced Nano Materials | Advanced Energy Materials

Session Chair: Richard R Mu, Tennessee State University, USA

10:15-10:40 **Title: Building function-by-design mesostructured sensory platforms from nanomaterials**
Richard R Mu, Tennessee State University, USA

10:40-11:05 **Title: Mg-based Nanomaterials for Energy Storag**
Huaiyu SHAO, University of Macau, China

Group Photo & Coffee Break: 11:05-11:20 @ Foyer

Sessions: Nano Material Fabrication & Characterization Tools | Advanced Materials | Concentrating Solar Power Materials and Systems

Session Chair: Richard R Mu, Tennessee State University, USA

11:20-11:45 **Title: Fabrication of PAN/Fe3O4 nanofibers: photocatalysis and characterization antimicrobial properties**
Omolola E Fayemi, North-West University-Mafikeng Campus, South Africa.

11:45-12:10 **Title: Interplay of spin and charge degrees of freedom in high temperature superconductors/promising room temperature superconductivity**
Sung-Ho Salk, Korean Academy of Science and Technology, South Korea

12:10-12:35 **Title: Tomographic imaging of PbSe quantum dot superattice for PV Applications**
Adam Moule, University of California, USA

Lunch Break: 12:35-13:30 @ Room 2B

Speaker Sessions

Sessions: Nano Material Fabrication & Characterization Tools | Advanced Materials | Concentrating Solar Power Materials and Systems

Session Chair: Richard R Mu, Tennessee State University, USA

13:30-13:55 **Title: Chemical and structural effects on the friction and wear of metals and alloys: a nanotribological approach**
Arnaud Caron, KoreaTech, Republic of Korea

13:55-14:20 **Title: Fabrication, photocatalytic and electrochemical properties of pan/metal and metal oxide nanofibers for water treatment application**
Omolola E Fayemi, North-West University, South Africa

14:20-14:45 **Title: Plastic nanocomposite material with PTC effect: examples of application**
Marco Pizzi, Eltek Group, Italy

14:45-15:10 **Title: Zn and ZnO nano particles formation in ZnO single crystal by laser radiation**
Arturs Medvids, Riga Technical University, Latvia

Coffee Break:15:10-15:30 @ Foyer

Speaker Sessions

Sessions: Nano Medicine

Session Chair: Rodney A Hill, Charles Sturt University, Australia

15:30-15:55 — **Title: Stem cell nano-structure interactions: Targeting drug delivery**
Rodney A Hill, Charles Sturt University, Australia

15:55-16:20 — **Title: Toxicity of dendrimers as drug delivery nanosystem *in vitro* and *in vivo***
Zuzana Zmudova, Jan Evangelista Purkyne University, Czech Republic

Young Researchers Forum Session

16:20-16:45 — **Title: Effect of nanostructured copper oxide on a causal agent of anthracnose**
Auriane F Azo-Oussou, Kagoshima University, Japan

Poster Presentation 16:45-17:00 @ Foyer

P1 — **Title: Biocompatibility of 3D printing materials tested in vivo using Danio rerio**
Zuzana Nejedlá, Jan Evangelista Purkyne University , Czech Republic

P2 — **Title:Estimation of differences in approach of siRNA gene therapy in 2D and 3D cultures**
Zuzana Žmudová, Jan Evangelista Purkyne University, Czech Republic

Certificate & Award Presentations

Panel Discussion & Networking

Day Ends

Agenda Day 2: October 08, 2019

Lunch Break: 13:00-14:00 @ Room 2B

Thanks Giving & Closing Ceremony

Day Ends

Mark your calender

7th European Conference on
Lasers, Optics & Photonics

February 21-22, 2020, Amsterdam, Netherlands
Website: https://optics.euroscicon.com/

Annual Congress on
smart materials

May 11-12, 2020 | Frankfurt, Germany
Website: https://smartmaterials.euroscicon.com/