Scientific Program

Agenda Day 1: February 21, 2020

08:00-09:00 **Registration**

09:00-09:30 Opening Ceremony

09:30-10:00 Introduction

Session Start @Field Meeting Room 1

Keynote Presentations

10:00-10:40 **Title: 2-dimensional SnO_2 nanosheet as efficient CO_2 electroreduction catalysts in formate production over large potential window**

Qi Lu, Tsinghua University, China

Networking & Refreshments 10:40-11:00 @ Field Lobby

Group Photo

11:00-11:40 **Title: Ultrasensitive detection of analyte molecules at attomolar concentration by Raman spectroscopy**

Grigory Arzumanyan, Joint Institute for Nuclear Research, Russian Federation

11:40-12:20 **Title: Increased knowledge of the behavior of nanomaterial by using complementarity in physics**

Anne Backerra, Netherlands

12:20- 13:00 **Title: Energy and information-entropic analysis in confined atoms through DFT**

Amlan K. Roy, Indian Institutes of Science Education and Research, India

Lunch Break 13:00-14:00 @ Restaurant Romeo

Session Introduction

Sessions: Nano Materials And Nanotechnology | Nano Electronic Devices | Nanobiotechnology | Advanced Nanomaterials | Condensed Matter Physics, Semi Conductor

Session Chair: Grigory Arzumanyan, Joint Institute for Nuclear Research, Russian Federation

14:00-14:25 **Title: Phase Transitions Condensed Matter Nucleosynthesis via the Roberts-Janet Nuclear Periodic Table**

John Owen Roberts, Open University, UK

14:25-14:50 **Title: Vertical Graphene Network: Plasma Synthesis and Emerging Applications**

Mineo Hiramatsu, Meijo University Tempaku, Japan

14:50-15:15 **Title: RGD-functionalized magnetosomes are efficient tumor radioenhancers for X-rays and protons**

Cambien Beatrice, Universite Cote d'Azur, France

Networking & Refreshments 15:15-15:35 @ Field Lobby

15:35-16:00 **Title: Adsorbent materials: From selective- to super- and nano- materials**

George Kyzas, International Hellenic University, Greece

16:00-16:25 **Title: Interplay of Spin and Charge Degrees of Freedom in High Temperature Superconductors/Promising Room Temperature Superconductivity**

Sung-Ho Salk, Pohang University of Science and Technology, South Korea

16:25-16:50 **Title: Use of Copper Based Nanoparticles as Drug Carriers for Cancer Treatment**

Phenny Mwaanga, Copperbelt University, Zambia

16:50-17:15 **Title: Angled multimode interference power combiner based on slot-waveguide**

Dror Malka, Holon Institute of Technology (HIT), Israel

Panel Discussion

Day Ends

Agenda Day 2: February 22, 2020

Lunch 13:00-14:00 @ Restaurant Romeo

Networking and Panel Discussion

Awards & Closing Ceremony

Day Ends



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