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

10:40-11:20
Title: Studies on traditional use, conservation and researches on the prospect for commercial exploitation for the welfare of common people uplifting rural economy in eastern part of India
Mohanlal Ghosh, Bejoy Narayan Mahavidyalaya, India

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

Group Photo

11:00-11:40
Ultrasensitive detection of analyte molecules at attomolar concentration by Raman spectroscopy
Grigory Arzumanyan, Joint Institute for Nuclear Research, Russian Federation

11:40-12:20
Increased knowledge of the behavior of nanomaterial by using complementarity in physics
Anne Backerra, Netherlands

12:20- 13:00
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

Panel Discussion

Awards & Closing Ceremony

Day Ends



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