Scientific Program

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Nanoscience Summit 2022

Opening Ceremony/ Introduction 09:00 - 09: 15

March 25, 2022 (Friday)

Keynote Forum

09:15 - 10:00

Title: Crystallographic Aspects of Reversibility in Shape Memory Alloys

Osman Adiguzel | Firat University | Turkey

10:00 -10:45

Title: Graphene Coatings - A Disruptive Approach for Mitigation of Environment-assisted Degradation

Raman Singh | Monash University | Australia

10:45 -11:30

Title: Magnetic Force-Free Theory: Nonlinear case

Brunello Tirozzi | University of Rome | Italy

Networking & Refreshment Break 11:30-11:45

Sessions on: Crystal Engineering | Graphene and Carbon Nanotubes | Nanoscience | Nanomaterials

Session Chair: Osman Adiguzel | Firat University | Turkey

11:45-12:15

Title: Metal Oxide and Graphene Based Future Nanofluids for Effective Energy Transportation

Waqar Ahmed | Malaysia Japan Institute of Technology (MJIIT) | Malaysia

12:15-12:45

Title: Preparation and Characterization of Silica Loaded with Vanadia Nanoparticles

Alnazaa Alhamad Ali | Aleppo University | Syria

12:45-13:15

Title: Optimal addition of Zn nanoparticles in High Temperature Superconductors YBCO leads to reduced corrosion resistance

Seema Vats | University of Delhi | India

13:15-13:45

Title: Principle of Geoexchanger Systems for Buildings Heating and Cooling

Abdeen Mustafa Omer | Energy Research Institute | United Kingdom

13:45-14:15

Title: Artificial Intelligence - Introduction to the Neural Networks

Brunello Tirozzi | University of Rome | Italy

Lunch Break 14:15-14:45

Sessions on: Nanotechnology | Nanosensors and Nanofluidics | Nanobiotechnology | Nanorobotics

Sessions Chair: Brunello Tirozzi | University of Rome | Italy

14:45-15:15	**Title: MWCNTs Based nanocomposites for hydrocarbons and MB removal from water** **Thamer Adnan Abdullah** | University of Pannonia | Hungary
15:15-15:45	**Title: Improving Wear Resistance for Grinding Balls of Horizontal Cement Mill in Kufa Cement Plant by Nanocoating technique** **Ghada Mhy Edden Saad** | Al Andalus University | Syria
15:45-16:15	**Title: Synthesis of inorganic nanomaterials by Unconventional bioelectrochemical systems and their applications** **Cuong Tu Ho** | Institute of Environmental Technology | Vietnam
16:15-16:45	**Title: Comparative analysis of green synthesized silver nanoparticles from leaf, seed coat, and fruit of tamarindus indica and their antibacterial potential.** **Zahraddin Zubair Mahmoud** | Ryerson University | Canada
16:45-17:15	**Title: Advancements of Artificial Intelligence Using Deep Learning algorithms** **Brunello Tirozzi** | University of Rome | Italy

Networking & Refreshment Break 17:15-17:30

Poster Presentation

17:30:-18:00	**Title: Education and their relationship to contemporary trends in the field of international recruiting** **Umer Aziz** | Ghulam Ishaq Khan Institute | Pakistan

Thanks Giving and Closing Ceremony