



In-Person Conference

Program-At-A-Glance

Peers Alley Media

1126 59 Ave East, V5X 1Y9

Vancouver BC, Canada



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Vancouver BC, Canada
Ph : +1-778-766-2134
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SEPTEMBER 13-14

2023

Berlin,
Germany

**3rd Global
Conference on**

Advanced Nanotechnology and Nanomaterials

Scientific Program

NANO INTELLECTS 2023

<https://nanointellecs.peersalleyconferences.com/>

Moderator: Wanju Huang, *Purdue University, USA*

Chair: Kokkarachedu Varaprasad, *San Sebastián University, Chile*

07:45-08:15 Registrations

08:15-08:30 Opening Ceremony

Topics: Nanoscience and Technology | Novel Drug Delivery | Nano-Surgery | Nanotechnology in Materials Science | Molecular Nanotechnology | Nano Medicine | 3D Printing | Robotics | Nanosensors | Nano Chemistry | Nano Biotechnology | Nano Pharmaceuticals

Distinguished Speaker Talks

08:30-08:50

Title: Drug targeting of the Pathological Homo- and Hetero-Associations of Alpha-Synuclein in the Parkinsonism

Judit Oláh, *Research Centre for Natural Sciences, Hungary*

08:50-09:10

Title: Creating an inclusive learning environment with Social Networking Analysis (SNA)

Wanju Huang, *Purdue University, USA*

09:10-09:30

Title: Inspirational Chemistry of Bioabsorbable Long-Acting Injectables

Thomas R. Tice, *Evonik Corporation, USA*

09:30-09:50

Title: The mechanism of *Dendrobium Officinale* as a treatment for hyperlipidemia based on network pharmacology and experimental validation

Jiang Ninghua, *Chief Pharmacist, Chinese Medicine Practitioner, Second Affiliated Hospital of Jiaying University, China*

09:50-10:10

Title: Biocidal activity of hybrid nanomaterials for next-generation applications

Varaprasad Kokkarachedu, *San Sebastián University, Chile*

10:10-10:30

Title: Gallium- and Niobium Doped Bioactive Glass: A synergistic approach for cancer-targeted therapy and enhanced bone regeneration

Joao Henrique Lopes, *Aeronautics Institute of Technology, Brazil*

Group Photo 10:30-10:40

Refreshment Break 10:40-10:55

10:55-11:15	<p>Title: Advancing Aircraft Repair Patch Prepregs: Enhancing composite performance through resin type, cure cycle, and nanomaterial innovations</p> <p>Serra Topal, Sabanci University Integrated Manufacturing Technologies Research & Application Center, Turkey</p>
11:15-11:35	<p>Title: Effect of alloying with Ruthenium on the properties of FeX₂ (X=S, Se) thin films</p> <p>Beya OUERTANI, University of Carthage, Tunisia</p>
11:35-11:55	<p>Title: Biosensor of Cu²⁺ ion Detection based on Gold-Decorated Graphene Oxide Functionalized with Gly-Gly-His</p> <p>Marzieh Azizi, University of Tehran, Iran</p>
11:55-12:15	<p>Title: Nanomaterials based Electrochemical Biosensing Diagnostics for the detection of Biomarkers in Healthcare applications</p> <p>Raju Khan, CSIR-Advanced Materials and Processes Reserch Institute (AMPRI), India</p>
12:15-12:35	<p>Title: Mesoporous silica nanoparticles for biomedical applications</p> <p>Fahima Dilnawaz, Centurion University of Technology and Management, India</p>
12:35-12:50	<p>Title: Experimental investigation of PolyJet 3D printing: Effects of sample location and volume on power consumption</p> <p>Jackson Sanders, Texas A&M University, USA</p>
Group Photo	
Lunch Break 12:50-13:30	
13:30-13:50	<p>Title: Similarity based virtual screen using enhanced Siamese deep learning methods</p> <p>Mohammed Khaldoon Mahmood Altalib, University of Technology Malaysia, Malaysia, University of Mosul, Iraq</p>
13:50-14:10	<p>Title: Numerical analysis of a brain artery in ANSYS</p> <p>Pedro Cavalcanti de Carvalho, State University of São Paulo, Brazil</p>
14:10-14:30	<p>Title: Enhancement of 3D mass and heat transfer within a porous ceramic exchanger by flow-induced vibration</p> <p>Ramzi Rzig, Become, Tunisia</p>
14:30-14:50	<p>Title: Review of neural network modeling of shape memory alloys</p> <p>Rodayna Hmede, Université Clermont Auvergne, Institut Pascal, France</p>
14:50-15:10	<p>Title: Novel tumor marker discovery based on automated Aptamer screening</p> <p>Zhukang Guo, Southeast University, China</p>

15:10-15:30

Title: Magnetic-plasmonic properties of CoFe₂O₄@Au
Thiago Eduardo Pereira Alves, *Instituto Federal de Goiás, Brazil*

15:30-15:50

Title: Detecting liquid in external cavity of multiple laser self-mixing interference
Wu Sun, *Fuyang Normal University, China*

Refreshment Break 15:50-16:05

16:05-16:25

Title: RAI – Responsible Artificial Intelligence, a short analysis
Fernando Buarque de Lime Neto, *University of Pernambuco, Brazil*

16:25-16:45

Title: Multimodality image fusion for Alzheimer's Disease identification
Siddheshwari Dutt Mishra, *MRIIRS, India*

16:45-17:05

Title: Heat transfer analysis in an electrocaloric refrigeration tube producing large temperature span
Donglin Han, *Shanghai Jiao Tong University, China*

17:05-17:25

Title: Revolution or Evolution? Technical requirements and considerations towards 6G mobile communications
Saddam Alraih, *Universiti Kebangsaan Malaysia (UKM), Malaysia*

17:25-17:45

Title: All-photonic synapse based on iron-doped lithium niobate double metal-cladding waveguide
Qiheng Wei, *Shanghai Jiao Tong University, China*

17:45-18:05

Title: Research on Anti-frost Technology and application based on Microchannel Heat Exchanger
Zhenhong Ye, *Shanghai Jiao Tong University, China*

18:05-18:25

Title: Novel modular plasma-in-liquid synthesis process for graphene-based nanomaterials for energy storage
Camila Andrea Rojas Nuñez, *Leibniz Institute for Plasma Science and Technology, Germany*

18:25-18:45

Title: Detection of pathogenic bacteria using bacteriophages and plasmonic nanoparticles by Ispr and sers: A brief review
Farzaneh Moghtader, *Translational R&D and Technology Center, Turkey*

Panel Discussion

End of Day 1



Moderator: Wanju Huang, *Purdue University, USA*

Chair: Kokkarachedu Varaprasad, *San Sebastián University, Chile*

Topics: Nanoscience and Technology | Novel Drug Delivery | Nano-Surgery | Nanotechnology in Materials Science | Molecular Nanotechnology | Nano Medicine | 3D Printing | Robotics | Nanosensors | Nano Chemistry | Nano Biotechnology | Nano Pharmaceuticals

Distinguished Speaker Talks

09:00-09:20

Title: An intelligent graph mining algorithm to analyze student performance in online learning

Sanjay Gour, *Jaipur Engineering College & Research Centre, India*

09:20-09:40

Title: Manufacture of electrospun multi-layer membrane for application of artificial ureters and ureteral stents

Jeong Chan Lee, *Jeonbuk National University, Republic of Korea*

09:40-10:00

Title: Development of absorption-type oil skimmer for high-speed refinement of cutting oil

Jun Hee Lee, *BLUESEAL. Co., Republic of Korea*

10:00-10:20

Title: Improving hydrophobicity and compatibility between Kenaf Fiber and polymer composite by surface treatment with inorganic nanoparticles

Mohammed Muhanna Mohammed, *Universiti Malaysia Perlis, Malaysia*

10:20-10:40

Title: Synthesis of EDTA-functionalized graphene oxide-chitosan nanocomposite for simultaneous removal of inorganic and organic pollutants from complex waste water

Monu Verma, *University of Seoul, Republic of Korea*

10:40-11:00

Title: Nanostructured delivery system as potential vehicle for nutraceuticals: Prospects and perspectives

Pothiyappan Karthik, *Karpagam Academy of Higher Education, India*

Panel Discussion

End of Day 2

DAY 2
SEPTEMBER 14, 2023

Scientific
P r o g r a m

**Exclusively for
Virtual Speakers**

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CISCO Webex**



**BOOKMARK
YOUR DATES**

**4TH GLOBAL CONFERENCE ON
ADVANCED NANOTECHNOLOGY
AND NANOMATERIALS**

September 2024 | Rome, Italy

<https://nanointellecs.peersalleyconferences.com/>



Virtual Conference

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VIRTUAL EVENT

3RD GLOBAL
CONFERENCE ON

ADVANCED NANOTECHNOLOGY & NANOMATERIALS

SEPTEMBER 14
2023

Theme: Immense benefits of advanced nanotechnology, including its ability to address global challenges as well as current trends and cutting-edge technologies

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Scientific Program

SEPTEMBER 14,
2023

Scientific
P r o g r a m

British Summer Time

06:45-07:00 Opening Ceremony

Distinguished Speaker Talks

Topics: Nanoscience and Technology | Nano-Surgery | Materials Science and Engineering | Nano Chemistry | 3D Printing | Nanotechnology and Energy | Artificial Intelligence | Nano Mechanics | Nano-systems | Nanobots | Nano Physics | Nanosensors | Robotics

07:00-07:20 **Title: Structure and application of lithium-ion endohedral [C60] fullerene**
Eunsang Kwon, *Tohoku University, Japan*

07:20-07:40 **Title: Advanced ZnO based piezo-phototronic optoelectronics**
Wenbo Peng, *Xi'an Jiaotong University, China*

07:40-08:00 **Title: Ultrasonically catalyzed gas sensor systems and their performance enhancement by ML algorithms**
Junhui Hu, *Nanjing University of Aeronautics and Astronautics, China*

08:00-08:20 **Title: A low-cost synthesis and preparation technology of one-dimensional silicon carbide nanowires**
Pengchao Kang, *Harbin Institute of Technology, China*

08:20-08:40 **Title: Construction of an excellent 7 mRNAsi-related gene model based on cancer stem cells for predicting survival outcome of cervical cancer**
Huan Wu, *Chongqing Medical University, China*

08:40-09:00 **Title: Nucleation and growth of nano-sized bubble on hydrophobic surfaces**
Ho-Young Kwak, *Chung-Ang University Seoul, South Korea*

09:00-09:20 **Title: Exploring the feasibility of nanotechnology in controlled environment agriculture**
Praseetha P Nair, *Government Engineering College, India*

09:20-09:40

Title: Cellular automata-based multi-bit stuck-at fault diagnosis for resistive memory
Sutapa Chatterjee Sarkar, *The Neotia University, India*

Refreshment Break 09:40-10:00

10:00-10:20

Title: Synthesis of non-selective sorbent modified with carbon nanomaterials and their hemocompatibility
Maxwell Opoku, *Novosibirsk State Research University, Russia*

10:20-10:40

Title: Effects of Boron / Nitrogen / Phosphorus doping on the scavenging action of armchair single-walled carbon nanotubes (armchair-SWCNT) for OH radicals: A DFT study
Meenakshi Malakar, *Assam University, India*

10:40-11:00

Title: Carbon Si composite for high energy density Li ion battery
Indrajit Mukhopadhyay, *Pandit Deendayal Energy University, India*

11:00-11:20

Title: On harmonious chromatic number of total graph of central graph in general
A. Amutha, *The American College, India*

11:20-11:40

Title: Impact of work function engineering in charge plasma based bipolar devices
Mahendra Gaikwad, *G H Rasoni College of Engineering, India*

11:40-12:00

Title: Energy efficient architecture for mitigating the hot-spot problem in wireless sensor networks
Sunita Varma, *Shri G.S. Institute of Technology and Science, India*

12:00-12:20

Title: Hybrid image processing model: A base for smart emergency applications
Gunish, *Indian Institute of Information Technology Kottayam (IIITK), India*

12:20-12:40

Title: Causes of the Fracture of Some Rotary Pelletization Dies: A Case Study
Amir Reza Kalani, *Independant Scientist, Iran*

Lunch Break 12:40-13:10

13:10-13:30	<p>Title: Mathematical modeling of a thermal converter with a cylindrical heat conductor and with a local heat source chosen on the basis of the scientific problem Matyakubova P.M., 1Tashkent State Technical University, Uzbekistan</p>
13:30-13:50	<p>Title: Detection of pathogenic bacteria using bacteriophages and plasmonic nanoparticles by Ispr and sers: A brief review Farzaneh Moghtader, Translational R&D and Technology Center, Turkey</p>
13:50-14:10	<p>Title: Nanotechnology as a new risk in the world of work Sára Felszeghi, University of Miskolc, Hungary</p>
14:10-14:30	<p>Title: Laser beam in dispersion media, photons, axions V. Ogluzdin, Fgbun Institute of General Physics named after M. A. Prokhorov 19991, Russia</p>
14:30-14:50	<p>Title: Moiré diamanes and nitridanes – new 2D tetragonal atomic crystals: Modeling structural features and properties Leonid Chernozatonskii, Institute of biochemical physics, Russia</p>
14:50-15:10	<p>Title: Comments about the quantification of matter M. Fabre de la Ripelle, Université d'Orsay IN2P3, France</p>
15:10-15:30	<p>Title: Electrospun nanofibers decorated with metallic nanoparticles for various applications Teboho Clement Mokhena, Nanotechnology Innovation Centre (NIC), South Africa</p>
15:30-15:50	<p>Title: Impact of Iron pyrite nanoparticles sizes in photovoltaic performance Refka Sai, Université de Carthage, Tunisia</p>
Refreshment Break 15:50-16:10	
16:10-16:30	<p>Title: Activation energy tunability of electrical conduction mechanisms in ternary organic thin films Laura Hrostea, Alexandru Ioan Cuza University of Iasi, Romania</p>

16:30-16:50

Title: KMC simulations of atomic redistribution in PCRAMs based on Ge-rich Ge-Sb-Te alloys

A. Portavoce, Aix-Marseille University/CNRS, France

16:50-17:10

Title: Is the cell a digitally controlled system?

Philip G. Penketh, Yale University School of Medicine, USA

17:10-17:30

Title: Advanced polymeric nanocomposite membranes for water treatment

Abhispa Sahu, American Nano, LLC, USA

17:30-17:50

Title: RAI – Responsible Artificial Intelligence, a short analysis

Fernando Buarque de Lima Neto, University of Pernambuco, Brazil

17:50-18:10

Title: When bacteria meet nanomaterials: nanosensors for the detection of microbial pathogens.

Leslie Susana Arcila Lozano, Ciencia y Tecnología, Ciudad de México, México

Closing Remarks





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