



PEERS ALLEY
M E D I A

3rd GLOBAL CONFERENCE ON ADVANCED NANOTECHNOLOGY & NANOMATERIALS

SEPTEMBER 13-14, 2023

BERLIN, GERMANY

Theme

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

2

DAYS WITH MORE THAN
45 SESSIONS,
KEYNOTES & TALKS

12+

INNOVATIVE FEATURED
SPEAKERS

20+

HOURS OF
NETWORKING EVENTS

60+

INTERNATIONAL
SPEAKERS

125+

EDUCATIONAL SESSIONS

NANO INTELLECTS 2023

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



Nanotechnology Professionals | Materials Engineers | Materials Scientists | Physicists and Chemists | Metallurgists | Geotechnical Engineers | Biomedical Engineers | Academicians and Students | Policy Makers | Clinical Investigators | Industries | Entrepreneurs | Students | Materials Science Colleges | Materials Companies | Nanotechnology Companies | Training Institutes | Associations | Chemical Companies | Experts and Researchers (of Biotechnology, Physics, Materials Science, Nanotechnology, Biology, Environment, Medicine, Pharma, Ceramics, Energy, Liquid Crystals, Plasma, Polymers Semiconductors and many more...)

NO SECRET IS SAFE SHARE YOUR RESEARCH

Diego Elustondo

Scion, Te Papa Tipu Innovation
Park, New Zealand



Welcome Message

Nanoscience and nanotechnology are among the most exciting areas of research since the beginning of this century, and it has the potential to continue expanding to almost any other field of research and development in the future. From single-walled carbon nanotubes to self-assembled DNA nanostructures, the possibility to manipulate, modify and even design molecular structures at a nanometre scale proposes unmatched opportunities for the creation of new elements and properties that could literally change the material world as we know it.

NANO Intellects 2023 conference offers the opportunity to share ground-breaking discoveries in nanoscience and nanotechnology among renowned international experts and new generations of scientists and students. The objective is to disseminate and debate about everything that is happening in the field, such as advances in nanomaterials, modern electronic devices, new materials, new medical applications, renewable energy devices, nano-biosensors for disease detection, anti-terror uses of nano-sensors, nano-scale materials in drug delivery devices, nano-materials use in high-capacity batteries, nano-materials, nano-films, supercomputers, biosensors and so on. In addition, the conference provides a unique opportunity to meet new colleagues and develop international connections for the benefit of both attendees and the scientific community in general.

NANO Intellects 2023 will be held on **September 13-14, 2023** in **Berlin, Germany**. We invite speakers and delegates from all around the world to attend the conference and present their latest studies and discoveries. Scientific presentations in 2022 included, vehicular networks, active nanobots, negative pressure, machine learning, cancer treatment, single-cell algae, artificial intelligence, organic diodes, bio-ceramic particles, membrane filtration, human machine systems, nanoelectronics, nanocomposite materials, quantum computer, nano-meter wavelengths, controlled drug delivery, and energy harvesting to mention a few.

We look forward to receiving your abstracts soon, as well as meeting you at the **3rd Global Conference on Advanced Nanotechnology and Nanomaterials (Nano Intellects 2023), Berlin, Germany**.

Best regards,

Diego Elustondo

Scion, Te Papa Tipu Innovation Park, New Zealand

PRESENTATION FORUM

KEYNOTE FORUM / MINI-PLENARY SESSIONS

Presentations under Keynote Forum or Mini-Plenary Sessions includes abstracts with remarkable research value selected by the program committee. These significant speeches are delivered by globally recognized honorable speakers and it is open to all registrants.

DISTINGUISHED SPEAKERS FORUM (ORAL ABSTRACT SESSIONS)

In this forum, speakers and experts of the research field gets an opportunity to showcase their noble research work that involves comprehensive research findings. These formal oral presentations include a wide range of talks covering basic research to advanced research findings in accordance to the theme and scientific sessions of the conference.

STUDENT FORUM

POSTER SESSION

This session is particularly introduced to encourage more number of student participation at international conferences, however it is not restricted only to students since it is also available for the participants with language barrier. There are specific guidelines to be followed to prepare the poster. Poster topic should be selected only from relevant scientific sessions with in-depth technical details.

YOUNG INVESTIGATORS FORUM

An exclusive opportunity for students and young investigators to present their research work through a formal oral presentation. Young Investigators Forum provides a global platform for young researchers and scholars to showcase their valuable contribution to the scientific world and to get acknowledged by the global scientific community of experts. It is an excellent opportunity to recognize young scientific assets with promising research ideas. These oral presentations are of shorter time duration with 10-15 minutes of informative and precise presentations in relevant scientific sessions.

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EDUCATIONAL WORKSHOPS/RESEARCH WORKSHOPS/ CORPORATE WORKSHOPS/MINI- SYMPOSIA

With an aim of transferring knowledge among the participants, workshops are introduced as a part of international conferences. These interactive and occasionally practical sessions gives an opportunity for participants to engage in detail discussion. Workshops are mostly scheduled for 60 to 90-minutes. It may range from learning about a specific topic relevant to international education, products and research which sometimes involves practical demonstration. It helps in enhancing skills, knowledge and understanding of the research field in depth through interactive discussions.

MEET THE PROFESSOR @ NETWORKING SESSIONS

This session involves open discussion between the experts and session attendees, it gives enough time for getting answers to specific questions and doubts. It is an opportunity for attendees to increase their professional networking, sometimes also leads to an excellent collaboration opportunity.

HIGHLIGHTS OF THE DAY SESSIONS

“Highlights of the Day Sessions” is introduced to discuss and focus a ray upon previous day ORAL ABSTRACT presentations by experts to summarise the key findings. It helps in getting better insights into the various dimensions of the topic.

EDUCATIONAL SESSIONS/ TRAINING PROGRAMS

Educational Sessions or training programs are specifically designed for a better understanding of the latest findings and technologies. These are generally 45-minute sessions that gives an exposure to the multidisciplinary field, that provides in-depth learning experiences and address educational needs.

SCIENTIFIC TRACKS/ SESSIONS

Nanoscience and Technology | Novel Drug Delivery | Nano polymers, Nanotubes and Nano porous Materials | Nano Physics | Nano Weapons | Nano-Surgery | Functional Nano Materials | Graphene and Fullerenes | Properties of Nanomaterials | Materials Science and Engineering | Nano Structures | Nanotechnology in Materials Science | Nano Chemistry | Molecular Nanotechnology | Nanotechnology in Cancer Treatment | Nanotechnology and Energy | Nanostructures and Nanofilms | Nano Medicine | 3D Printing | Carbon Nanotubes | Fuel Cells | Lipid Nanotechnology | Nano Biotechnology | Nano Pharmaceuticals | Nano Polymers | Nanotechnology in Tissue Engineering | Robotics

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REGISTER & PARTICIPATE

in

NANO Intellects 2023

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

TYPES OF ACADEMIC REGISTRATIONS

SPEAKER REGISTRATION

COMBO A
(REGISTRATION + 2 NIGHT ACCOMMODATION)

COMBO B
(REGISTRATION + 3 NIGHT ACCOMMODATION)

DELEGATE REGISTRATION

TYPES OF BUSINESS REGISTRATIONS

SPEAKER REGISTRATION

COMBO A
(REGISTRATION + 2 NIGHT ACCOMMODATION)

COMBO B
(REGISTRATION + 3 NIGHT ACCOMMODATION)

DELEGATE REGISTRATION

TYPES OF STUDENT REGISTRATIONS

REGISTRATION

YIF

COMBO A
(REGISTRATION + 2 NIGHT ACCOMMODATION)

COMBO B
(REGISTRATION + 3 NIGHT ACCOMMODATION)

POSTERS

TYPES OF ADDITIONAL REGISTRATIONS

ACCOMPANYING PERSON

E-POSTER

VIRTUAL PRESENTATION

WORKSHOPS

START-UPS

“ TIME TO
CONNECT
WITH YOUR
PEERS ”

CONCURRENT EDUCATIONAL SESSIONS

WEDNESDAY
September 13
2023

NANOSCIENCE AND TECHNOLOGY

- Scanning Probe Microscopy
- Nanofabrication
- Functional Nanoparticles
- Nanomaterials
- Molecular Engineering
- Bionanotechnology

NOVEL DRUG DELIVERY

- Targeted delivery
- Controlled-release formulations
- Delivery of biologic drugs

NANO POLYMERS, NANOTUBES AND NANO POROUS MATERIALS

- Bio-hybrid polymer nanofibers
- Engineering applications
- Structure of single-walled tubes
- Microporous materials

NANO PHYSICS

- Quantum Measurements
- Nanophysics applications
- Nano mechanical Resonators
- Quantum Mechanics
- Carbon Nano tube

GROUP PHOTO | COFFEE BREAK

NANO WEAPONS

- Soldier Battlesuit
- Enhanced Materials
- Communication Devices
- Mini-nukes
- Aerospace Application
- Military Research

NANO-SURGERY

- Minimally invasive surgery
- Optical Nano surgery
- Visualization
- Nanomedical Devices
- Nanotechnology in wound healing

FUNCTIONAL NANO MATERIALS

- Fullerenes
- Nanoparticles
- Metal-based nanoparticles
- One-dimensional nanostructures
- Bulk nanostructured materials
- Nanoporous materials

GRAPHENE AND FULLERENES

- Polymerization
- Safety and toxicity
- Exploring commercial applications
- Ambipolar electron and hole transport
- Chiral half-integer quantum Hall effect
- Thermal conductivity
- Polycrystalline graphene

LUNCH BREAK

PROPERTIES OF NANOMATERIALS

- Litracon
- Mineralogy
- Metallurgy
- Polymer Science
- Crystallography
- Ceramic Engineering
- Nuclear Spectroscopy
- Supramolecular Chemistry
- Forensic Materials Engineering
- Femtotechnology, Picotechnology

MATERIALS SCIENCE AND ENGINEERING

- Fullerenes
- Nanoribbon
- Quantum Dot
- Nanotechnology
- Icosahedral Twins
- Carbon Allotropes
- Nanostructured Materials
- Nanostructured Materials
- Tube-Based Nanostructures
- Gradient Multilayer Nanofilm

NANO STRUCTURES

- Reducing the cost of solar cells
- Generating steam from sunlight
- Generating hydrogen from sea water
- Producing high efficiency light bulbs
- Improving the performance of batteries
- Storing hydrogen for fuel cell powered cars
- Generating electricity from waste heat
- Clothing that generates electricity
- Increasing the electricity generated by windmills
- Reducing friction to reduce the energy consumption

NANOTECHNOLOGY IN MATERIALS SCIENCE

- Chemotherapy
- Hormone Therapy
- Radiation Therapy
- Stem Cell Transplant
- Targeted Therapy
- Immunotherapy to Treat Cancer
- Biomarker Testing for Cancer Treatment

COFFEE BREAK

NANO CHEMISTRY

- Drug delivery
- Fluorescent
- Nanotopography
- Nanolithography
- Tissue engineering
- Nanowire compositions

MOLECULAR NANOTECHNOLOGY

- Utility Fog
- Phased-Array Optics
- Medical Nanorobots
- Massive Parallelism
- Technical Issues and Criticism
- Technical Issues and Criticism
- Smart Materials and Nanosensors

NANOTECHNOLOGY IN CANCER TREATMENT

- Delivering Gene Therapy
- Nano-enabled Immunotherapy
- Delivering Chemotherapy
- Delivering or Augmenting Radiotherapy

ADVANCING CELLULOSE-BASED NANOTECHNOLOGY

- Bacterial Nanocellulose
- Cellulose Nano-Structures
- Cellulose Nanowhiskers
- Nanocellulose-Based Nanocomposites

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CONCURRENT EDUCATIONAL SESSIONS

THURSDAY
September 14
2023

NANOTECHNOLOGY AND ENERGY	NANOSTRUCTURES AND NANOFILMS	NANO MEDICINE	3D PRINTING
<ul style="list-style-type: none"> Automotive Industry Chemical Industry Electronic Industry Construction Industry Photovoltaic Applications (Solar Cells) Textile/Fabrics/Nonwovens Industry Electronic, Optoelectronic Magnetic Applications Biomedical and Pharmaceutical Applications 	<ul style="list-style-type: none"> Focused Ion Beam Transmission Electron Microscopy Scanning Electron Microscopy Electron Backscatter Diffraction 	<ul style="list-style-type: none"> Implants Drug Delivery Antibacterial Wearable Devices Vaccine Development Diagnosis and Imaging Tools High-Throughput Screening Platforms 	<ul style="list-style-type: none"> 4D Printing Health sector Food industry Fashion industry Firearm industry Education sector Transportation industry Aerospace regulation Multi-material 3D printing Gun legislation and administration

GROUP PHOTO | COFFEE BREAK

CARBON NANOTUBES	FUEL CELLS	LIPID NANOTECHNOLOGY	NANO BIOTECHNOLOGY
<ul style="list-style-type: none"> Armchair Carbon Nanotubes Zigzag Carbon Nanotubes Chiral Carbon Nanotubes 	<ul style="list-style-type: none"> Solid acid fuel cell (SAFC) Alkaline fuel cell (AFC) High-temperature fuel cells Electric storage fuel cell Fuel cell electric vehicles (FCEVs) Phosphoric acid fuel cell (PAFC) Proton-exchange membrane fuel cells (PEMFCs) 	<ul style="list-style-type: none"> Gene Therapy Cancer Therapy Diagnostics Delivery Protein and Peptide Delivery Antioxidant and Vitamin Delivery Overcoming the Blood-Brain Barrier 	<ul style="list-style-type: none"> Nanomedicine Nanotoxicology Molecular Engineering Molecular Nanotechnology DNA Nanotechnology Green Nanotechnology Hazards Regulation

LUNCH BREAK

NANO PHARMACEUTICALS	NANO POLYMERS	NANOTECHNOLOGY IN TISSUE ENGINEERING	NANOTECHNOLOGY IN UROLOGY
<ul style="list-style-type: none"> Bio- Availability Improve Drug Solubility Delivery to various sites of action 	<ul style="list-style-type: none"> Self-Assembled Nanostructures Number of Nanoscale Dimensions Non Self-Assembled Nanostructures 	<ul style="list-style-type: none"> Gas Foaming Electrospinning Nanofiber Self-Assembly Textile Technologies CAD/CAM Technologies Laser-Assisted Bioprinting Emulsification Freeze-Drying Thermally Induced Phase Separation Solvent Casting and Particulate Leaching 	<ul style="list-style-type: none"> Bladder Reconstruction Treatment of Genitourinary Cancer Prostate-Specific Antigen Screening Imaging of Genitourinary Malignancies Treatment of Overactive Bladder/Interstitial Cystitis Tissue Sealant Technology and Robotic Surgery

COFFEE BREAK

ROBOTICS	NANOTOXICOLOGY	NANOTRIBOLOGY	NANO PRODUCTS
<ul style="list-style-type: none"> Nanorobots Military Robots Industrial Robots Swarm Robotics Construction Robots Agricultural Robots Medical Robots Domestic Robots Autonomous Drones Sports Field Line Marking 	<ul style="list-style-type: none"> Nanoelectronics Biodistribution Nanometrology Molecular nanotechnology Routes of administration Green nanotechnology Mechanisms of toxicity 	<ul style="list-style-type: none"> Scanning Tunneling Microscope (STM) Atomic-Force Microscope (AFM) Surface Forces Apparatus, (SFA) Quartz crystal microbalance (QCM) 	<ul style="list-style-type: none"> Nanoelectronics Nanocoatings Nanoplasmonics Nanosensors Graphene Batteries Food and Agriculture Nanotechnology in Furniture Nanotechnology in Space Nanotechnology in Cosmetics

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NETWORKING..CONFERENCING..FOSTERING

ATTENDING A CONFERENCE ISN'T ALL ABOUT
LEARNING AND NETWORKING

DISCOVERING

A right choice of conference destination is an important aspect of any international conference and keeping that in consideration,
NANO Intellects 2023 is scheduled in the Beautiful city "Berlin".



BERLIN CATHEDRAL CHURCH



BRANDENBURG GATE



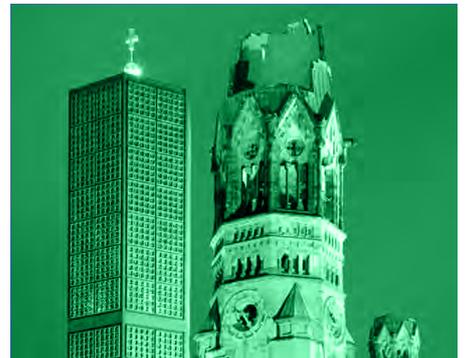
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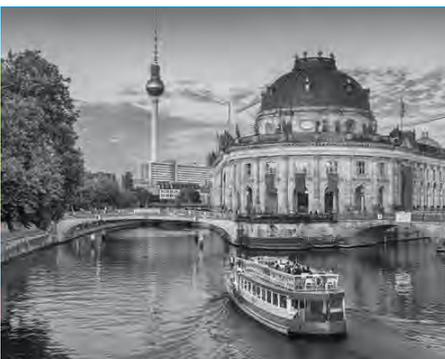
GERMAN MUSEUM OF
TECHNOLOGY



JEWISH MUSEUM BERLIN



KAISER WILHELM
MEMORIAL CHURCH



MUSEUM ISLAND



PERGAMON MUSEUM



POTSDAMER PLATZ

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