



12TH EDITION OF

WORLD

NANOTECHNOLOGY CONFERENCE

HYBRID EVENT

18-20
MARCH 2027

COME AND JOIN US IN:

SINGAPORE
OR VIRTUALLY

CONFERENCE TOPICS

Nanomaterials: Design, Synthesis, and
Characterization

Nanofabrication and Nanomanufacturing

Nanoengineering

Nanobiotechnology and Life Sciences

Nanotechnology in Medicine and Healthcare

Nanotechnology in Food Science and Agriculture

Nanotechnology Across Industries

Nanotechnology in Energy and Environment

Nanotechnology for Sustainable Development and
Global Challenges

Nanoelectronics and Nanophotonics

Nanomechanics and Nanorobotics

Theoretical and Computational Nanotechnology

Nanotoxicology, Safety, Ethics, and Sustainability

Carbon nanotechnology

TENTATIVE PROGRAM

Theme:

Advancing Nanotechnology for Innovation and Future Technologies



+1 (702) 988-2320



+1 (640) 666 9566

<https://worldnanotechnologyconference.com/>

Keynote Speakers



Alexander G Ramm

Kansas State University, United States



Thomas Jay Webster

Brown University, United States



Ramesh Agarwal

McKelvey School of Engineering,
Washington University in St. Louis, United
States



Raman Singh

Monash University, Australia



Paulo Cesar De Moraes

Catholic University of Brasilia, Brazil



Khavkin Aleksandr

Peoples' Friendship University of Russia
(RUDN), Russian Federation



Osman Adiguzel

Firat University, Turkey



S V A R Sastry

Harcourt Butler Technical University, India

TENTATIVE PROGRAM

KEYNOTE PRESENTATIONS

Title: Creating materials with a desired refraction coefficient and other applications

Alexander G Ramm, Kansas State University, United States

Title: Pristine graphene coatings on metals: A disruptive approach to remarkable and durable corrosion

Raman Singh, Monash University, Australia

Title: Metal oxide nanomaterials as photocatalysts

Paulo Cesar De Morais, Catholic University of Brasilia, Brazil

Title: Shape memory phenomena and twinning detwinning reactions governing reversibility in shape memory alloys

Osman Adiguzel, Firat University, Turkey

Title: Nano lubricant enhancement through hydrothermal synthesis of 2D nanoparticles: A pathway to reduced wear and enhanced efficiency

S V A R Sastry, Harcourt Butler Technical University, India

ORAL PRESENTATIONS

Title: Optimized eco-friendly nanoparticles for sustainable agriculture: Stability enhancement with organic acids for fertilizer delivery

Sana Awan, Florida International University, United States

Title: The role of micro-nanobubbles in dissolved air flotation for the removal of micropollutants in drinking water treatment

Sayyad Muhammad Ali Rizvi, Cranfield University, United Kingdom

Title: Formulation and evaluation of nanoparticulate system for cancer therapy

Dharmendra Kumar, Swami Vivekanand Subharti University, India

Oral presentation slots are available

POSTER PRESENTATIONS

Title: Advanced 3D nanofibrous yarn-based biomass carriers for anaerobic biotechnological applications

Karel Havlicek, Technical University of Liberec, Czech Republic

Title: 3D nanofibrous biomass carriers for support and intensification of anaerobic biotechnological processes: Molecular characterisation of microbial consortium by qPCR and NGS

Magda Nechanicka, Technical University of Liberec, Czech Republic

Title: Laser-induced functionalization of flexible polyimide-carbon fiber for real-time multimodal physiological monitoring of chronic wounds

Tahir Raza, Fudan University, China

Poster presentation slots are available