



World Conference on Nanotechnology and Advanced Materials

September 21-23, 2026 | Munich, Germany

Conference Theme: " Smart Nanomaterials for Energy, Electronics, and Medicine"

Day 1: September 21, 2026 – Nanomaterials for Energy Conversion & Storage | Advanced Functional Materials

Morning Session: Opening Ceremony & Keynote Talks

- **Welcome Address & Conference Overview – Organizing Chair**
- **Keynote Talk 1:** *"Next-Generation Nanomaterials for Efficient Energy Conversion"*
- **Keynote Talk 2:** *"2D Materials and Their Role in Energy Harvesting Applications"*

Plenary Talks & Invited Presentations

- **Plenary Talk 1:** *"Nanostructured Electrodes for High-Performance Batteries and Supercapacitors"*
- **Plenary Talk 2:** *"AI-Driven Design of Advanced Functional Materials"*
- **Featured Talk:** *"Hybrid Nanocomposites for Solar-to-Fuel Conversion"*

Poster Presentations & Oral Sessions

- Nanostructured Catalysts for Hydrogen Production
- Advances in Solid-State Battery Materials
- Graphene and Maxine Applications in Energy Devices

Symposium & Workshops

- **Symposium:** *"Emerging Trends in Energy Storage Nanomaterials"*
- **Workshop:** *"Fabrication and Characterization of Nanostructured Electrodes"*

Panel Discussion

- *"Bridging Nanotechnology and Renewable Energy Systems: Challenges and*

Opportunities"

Day 2: September 22, 2026 – Nanotechnology for Electronics & Photonics | Smart and Sustainable Materials

Morning Session: Keynote & Featured Talks

- **Keynote Talk 3:** *"The Future of Nanoelectronics: Quantum Materials and Devices"*
- **Keynote Talk 4:** *"Photonics and Plasmonics: Nanoscale Light Manipulation for Energy Applications"*

Plenary Talks & Invited Presentations

- **Plenary Talk 3:** *"Flexible and Wearable Nanoelectronics: Design and Fabrication"*
- **Plenary Talk 4:** *"Nanophotonics for Solar Energy and Optical Communication"*
- **Featured Talk:** *"Additive Manufacturing and 3D Printing of Functional Nanomaterials"*

Poster Presentations & Oral Sessions

- Nanosensors for Smart Energy Systems

- Quantum Dots and Perovskites for Next-Gen Solar Cells
- Sustainable Nanomaterials for Green Technologies

Symposium & Workshops

- **Symposium:** *"Smart Materials for Future Energy and Electronics"*
- **Workshop:** *"3D Nanoprinting: Hands-on Design of Functional Nanostructures"*

Panel Discussion

- *"Ethics, Safety, and Sustainability in Nanomaterial Development"*

Day 3: September 23, 2026 – Nanotechnology in Medicine, Environment & Future Innovations

Morning Session: Keynote & Plenary Talks

- **Keynote Talk 5:** *"Nanomedicine: Precision Drug Delivery and Diagnostic Nanodevices"*
- **Keynote Talk 6:** *"Environmental Nanotechnology: From Pollution Control to Clean Energy"*

Plenary Talks & Invited Presentations

- **Plenary Talk 5:** *"Nano-Enabled Water Purification and Environmental Remediation"*
- **Plenary Talk 6:** *"Ethical, Legal, and Regulatory Aspects of Nanotechnology"*
- **Featured Talk:** *"Nanotechnology for Space Applications: Materials for Extreme Environments"*

Poster Presentations & Oral Sessions

- Biocompatible Nanomaterials for Healthcare
- Nanostructures for CO₂ Capture and Conversion
- Future Challenges in Nanotechnology Standardization

Symposium & Workshops

- **Symposium:** *"Nanotechnology and Circular Economy: Towards a Sustainable Future"*
- **Workshop:** *"Nanomaterial Safety and Risk Assessment: Best Practices"*

Closing Panel Discussion

- *"The Future of Nanotechnology: From Laboratory to Global Impact"*

Latest & Engaging Topics for Speaker Presentations

- ✓ AI-Powered Materials Discovery: Accelerating Nanotech Innovation
- ✓ 3D Nanoprinting for Advanced Device Fabrication
- ✓ Quantum Nanomaterials for Computing and Energy
- ✓ Nanorobotics in Medicine and Environmental Cleanup
- ✓ CRISPR and Nanotechnology: Converging Technologies for the Future
- ✓ Blockchain Applications in Material Supply Chain Transparency
- ✓ Sustainable Nanomanufacturing and Green Energy Solutions
- ✓ Nanotechnology in Space Exploration and Extreme Environments