ScienceQuest
CONNECTING MINDS, SHAPING TOMORROW

Global Summit on

Nanotechnology and Advanced Materials

May 18-20, 2026| Amsterdam, Netherlands

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

Day 1: May 18, 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 and Storage Applications"*

Plenary Talks & Invited Presentations

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

Poster Presentations & Oral Sessions

- Nanostructured Catalysts for Hydrogen and Oxygen Evolution Reactions
- Advances in Solid-State and Sodium-Ion Battery Materials
- Graphene and MXene-Based Nanostructures for Energy Devices

Symposium & Workshops

- **Symposium:** *"Emerging Trends in Nanomaterials for Energy Storage and Conversion"*
- **Workshop:** *"Fabrication, Characterization, and Performance Testing of Nanostructured Electrodes"*

Panel Discussion

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

Day 2: May 19, 2026 – Nanotechnology for Electronics & Photonics | Smart and Sustainable Materials Morning Session: Keynote & Featured Talks

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

Plenary Talks & Invited Presentations

- **Plenary Talk 3:** *"Flexible, Wearable, and Transparent Nanoelectronics: Design and Fabrication Strategies"*
- **Plenary Talk 4:** *"Nanophotonic Technologies for Solar Energy Harvesting and Optical Communication"*

- **Featured Talk:** *"Additive Manufacturing and 3D Nanoprinting of Functional Nanomaterials"*

Poster Presentations & Oral Sessions

- Nanosensors and Smart Materials for Energy-Efficient Devices
- Quantum Dots and Perovskite Nanostructures for Next-Generation Solar Cells
- Sustainable and Biodegradable Nanomaterials for Green Electronics

Symposium & Workshops

- **Symposium:** *"Smart and Multifunctional Materials for Future Energy and Electronic Systems"*
- **Workshop:** *"3D Nanoprinting: Hands-on Design of Functional Nanoscale Architectures"* **Panel Discussion**
- *"Ethics, Safety, and Sustainability in the Development of Nanomaterials and Nanoelectronics"*

Day 3: May 20, 2026 – Nanotechnology in Medicine, Environment & Future Innovations

Morning Session: Keynote & Plenary Talks

- **Keynote Talk 5:** *"Nanomedicine: Smart Nanocarriers for Targeted Drug Delivery and Diagnostics"*
- **Keynote Talk 6:** *"Environmental Nanotechnology: From Pollution Control to Sustainable Energy Solutions"*

Plenary Talks & Invited Presentations

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

Poster Presentations & Oral Sessions

- Biocompatible and Bioinspired Nanomaterials for Healthcare
- Nanostructures for CO_2 Capture, Conversion, and Environmental Sustainability
- Global Standards and Future Challenges in Nanotechnology Development

Symposium & Workshops

- **Symposium:** *"Nanotechnology and the Circular Economy: Towards Sustainable Innovation"*
- **Workshop:** *"Nanomaterial Safety, Risk Assessment, and Responsible Innovation Practices"*

Closing Panel Discussion

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

Latest & Engaging Topics for Speaker Presentations

✓ AI-Powered Materials Discovery and Computational Nanodesign
✓ 3D Nanoprinting for High-Precision Device Fabrication
✓ Quantum Nanomaterials for Advanced Computing and Energy Systems
✓ Nanorobotics and Smart Nano systems for Medicine and Environmental Cleanup

✓ CRISPR-Enabled Nanotechnologies for Precision Therapeutics
✓ Blockchain Integration for Secure Nanomaterial Supply Chains
✓ Sustainable Nanomanufacturing and Green Energy Solutions
✓ Nanotechnology for Space Exploration and Extreme Environmental Applications