



NEXTGEN MATERIALS ENGINEERING AND APPLICATIONS SUMMIT

# NEXMAT SUMMIT 24

TOKYO, JAPAN | SEPTEMBER 23 - 25, 2024

## Day 1: September 23, 2024 - Conference Opening

**08:00 AM - 09:00 AM:** Registration

**09:00 AM - 09:30 AM:** Opening Ceremony and Welcome Address

### Session 1: Innovations in Materials Engineering

**09:30 AM - 10:30 AM:** Keynote Session: "NextGen Materials Engineering Trends"

**10:30 AM - 11:00 AM:** Coffee Break and Networking

### Session 2: Advanced Materials Development

**11:00 AM - 12:30 PM:** Plenary Session: "Cutting-Edge Materials Research"

**12:30 PM - 01:30 PM:** Lunch Break

### Session 3: Parallel Sessions - Various Topics

**01:30 PM - 03:00 PM:**

Subtopic 1: "Nanomaterials and Nanotechnology Applications"

Subtopic 2: "Advanced Composite Materials"

**03:00 PM - 03:30 PM:** Coffee Break and Poster Session

**03:30 PM - 05:00 PM:**

Subtopic 3: "Materials for Energy and Sustainability"

Subtopic 4: "Materials for Aerospace and Automotive"

**05:00 PM - 06:00 PM:** Panel Discussion: "Future of Materials Engineering"

**06:00 PM:** Welcome Reception and Networking

## Day 2: September 24, 2024 - Scientific Sessions

### Session 4: Materials in Industry

**08:30 AM - 09:30 AM:** Morning Keynote Session: "Materials Innovations in Industry"

**09:30 AM - 11:00 AM:**

Subtopic 5: "Materials in Electronics and Semiconductor Industry"

Subtopic 6: "Materials in Healthcare and Biotechnology"

**11:00 AM - 11:30 AM:** Coffee Break and Poster Session



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**11:30 AM - 01:00 PM:**

Subtopic 7: "Materials in Construction and Infrastructure"

Subtopic 8: "Sustainability and Circular Economy"

**01:00 PM - 02:00 PM:** Lunch Break

**Session 5: Research and Innovation**

**02:00 PM - 03:30 PM:** Plenary Session: "Materials Research and Breakthroughs"

**03:30 PM - 04:00 PM:** Coffee Break and Networking

**04:00 PM - 05:30 PM:**

Subtopic 9: "Materials Characterization and Analysis"

Subtopic 10: "Emerging Materials for Future Applications"

**05:30 PM - 06:00 PM:** Closing Remarks for the Day

## Day 3: September 25, 2024 - Future Prospects

**Session 6: Materials for Next Generation**

**08:30 AM - 10:00 AM:**

Subtopic 11: "Materials for Quantum Technologies"

Subtopic 12: "Advanced Materials in 3D Printing"

**10:00 AM - 10:30 AM:** Coffee Break and Poster Session

**10:30 AM - 12:00 PM:**

Subtopic 13: "Materials for Space Exploration"

Subtopic 14: "Bioinspired Materials and Biomimicry"

**12:00 PM - 01:00 PM:** Lunch Break

**Session 7: Closing and Future Directions**

**01:00 PM - 02:30 PM:** Closing Keynote Session: "Frontiers in Materials Engineering"

**02:30 PM - 03:00 PM:** Awards and Recognition Ceremony

**03:00 PM - 03:30 PM:** Closing Remarks and Conference Conclusion

**03:30 PM - 04:00 PM:** Farewell Coffee and Networking

**Slots Available**