NeuroTech 2026

International Symposium on Advanced Neuroscience and Neuroengineering Technologies

Theme: “Bridging Brain, Engineering, and Regeneration”

April 2-5, 2026

🎯 Symposium Overview

NeuroTech 2026 will explore cutting-edge advances at the interface of neuroscience, neural engineering, and intelligent technologies.

The symposium focuses on how innovative materials, electronic systems, and AI-driven design are shaping the next generation of neural repair, stimulation, and prosthetic interfaces.

Bringing together researchers from neuroscience, materials science, and biomedical engineering, NeuroTech 2026 provides a platform to discuss both fundamental mechanisms and translational applications in brain–machine integration.

🧩 Symposium Tracks

🔷 Track 1 – Neural Engineering and Brain–Machine Interfaces

• Next-generation neural interfaces for recording and stimulation
• Flexible and biocompatible electrode systems
• Soft neuroelectronics and implantable communication platforms
• AI-based decoding and control of neural signals
• Wireless and self-powered neuroprosthetic devices

🔷 Track 2 – Neural Regeneration and Repair

• Bioinspired scaffolds and microenvironments for neural recovery
• Controlled release systems for neurotrophic factors
• Neural stem-cell integration and tissue regeneration strategies
• Electrical and mechanical cues for axonal growth
• Translational research in spinal cord and brain injury

🔷 Track 3 – Neurostimulation and Functional Restoration

• Deep brain stimulation (DBS) and transcranial modulation
• Magnetoelectric and piezoelectric stimulation technologies
• Adaptive and closed-loop neurostimulation systems
• Wearable and minimally invasive neurorehabilitation devices

---

🔷 Track 4 – Neuroimaging, Data, and Computational Neuroscience

• Multimodal neural imaging (fMRI, MEG, optical methods)
• AI and machine learning for neural data interpretation
• Brain connectivity modeling and neural signal processing
• Integration of neuroimaging with implant design and monitoring

---

🔷 Track 5 – Translational Neuroscience and Clinical Applications

• Neuroprosthetics and rehabilitation robotics
• Ethical, regulatory, and clinical aspects of brain technologies
• Cognitive enhancement and neuro–AI convergence
• Industrial collaborations in neurotech innovation