



IEEE EMBC 2027

49TH ANNUAL
International conference of the
**IEEE Engineering In Medicine
and Biology Society**

11-15 July 2027
Singapore

CALL FOR PAPERS

Building on a strong legacy of scientific excellence, the 2027 conference will focus on the theme

“Translating Healthcare Innovation Bridging Labs with Industries”

highlighting how breakthroughs in engineering, AI, and biomedical science can be transformed into scalable solutions that benefit patients, providers, and health systems. At this world’s largest international biomedical engineering conference, a broad spectrum of tracks will cover cutting-edge research in biomedical devices, digital health, AI and data science, imaging, biosensors, robotics, and health informatics, alongside sessions dedicated to translation, regulation, and entrepreneurship.

Under this theme, the conference will bring together researchers, engineers, clinicians, policymakers, and industry partners to accelerate the journey from prototype to practice. We particularly welcome contributions that showcase successful academic-industry collaborations, translational pipelines, real-world deployments, and regulatory or reimbursement pathways for innovative technologies. In addition to distinguished keynotes, the program will feature workshops, mini-symposia, special sessions, oral and poster presentations, industry showcases, and events tailored for students, early-career investigators, and startups. We invite you to share your latest advances and join a global community committed to turning lab discoveries into impactful healthcare innovations.

Conference Themes

- Biomedical Signal Processing
- Biomedical Imaging and Image Processing
- Bionanotechnology and BioMEMS
- Cardiopulmonary Systems and Physiology-Based Engineering
- Neural and Rehabilitation Engineering
- Wearable Biomedical Sensors and Systems
- Biorobotics and Biomechanics
- Therapeutic & Diagnostic Systems and Technologies
- Biomedical & Health Informatics
- Biomedical Engineering Education and Society
- Biomedical Engineering Translation

Important Dates

Proposals

(Workshops / Mini-Symposium)

Submission Starts	December 2026
Submission Deadline	24 January 2027
Organizer Notification	28 February 2027
Information Submission	31 March 2027

Full Contributed Papers

Submission Starts	December 2026
Submission Deadline	24 January 2027
Author Notification	16 April 2027
Final Submission Deadline	30 April 2027

1 Page Research Poster Papers

Submission Starts	December 2026
Submission Deadline	23 April 2027
Author Notification	7 May 2027
Final Submission Deadline	16 May 2027

