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IEEE BHI2025

IEEE-EMBS INTERNATIONAL CONFERENCE ON
BIOMEDICAL AND HEALTH INFORMATICS
OCTOBER 26-29, 2025, ATLANTA, GEORGIA, USA

CALL FOR PAPERS

The EMBS International Conference on Biomedical and Health Informatics (BHI2025) theme is "**Precision Health: AI Tailored to Individuals**". BHI2025 invites participation from academia, industry, clinical medicine, and government to contribute groundbreaking basic methodologies, emerging technologies, translational implementation in biomedical informatics and data processing. BHI has been organized in Shenzhen China, Valencia Spain, Las Vegas USA, Orlando USA, Chicago USA, Ioannina Greece, Pittsburgh USA, Houston USA. BHI2025 will take place at **Georgia Tech, Atlanta, Georgia, USA** in **October 26-29 2025**.

The BHI2025 scope covers multimodality data collection by novel sensors, imaging, omics, public and global health surveillance, robots, drug discovery, immunotherapy, and multiple other biomedical technologies; data transmission (security, encryption); data visualization; data analysis by signal processing and machine learning; advanced AI such as Generative AI and Cognitive AI for large range of biomedical and health technologies and applications, including Metaverse, Digital Health, Bioinformatics, Electronic Health Records, Human-Computer Interaction, Telemedicine, Public Health, Aging, Infectious Diseases, and Chronic Conditions.

HIGHLIGHTS OF BHI2025

- » JBHI Special Issue for 8-page papers with oral presentation at the conference
- » Regular 4-7 page conference papers with Open Access and publication in IEEE Xplore
- » 1-page extended abstracts for poster presentations and rapid fire sessions
- » Open Double-Blind Review for high quality
- » Best paper awards for recognizing innovative and excellence research.
- » Continuing Medical Education (CME) credits for clinicians
- » Travel awards for students
- » Data competition and awards for students
- » Student resume database and career fair

THEMES OF BHI2025

- » Digital twins / Personalized AI
- » AI in Precision Medicine
- » AI in Preventative Care
- » AI for wearables
- » Explainable AI
- » Multimodality Data Analysis
- » Medical imaging
- » Biomarker discovery and drug design
- » Robotic surgery and interventions
- » Single-cell and spatial genomics
- » Security and privacy preservation
- » Ethical and regulatory issues
- » Cognitive automation in medicine
- » Metaverse/augmented reality

IMPORTANT DATES

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| Paper Submission (JBHI & Reg. Conf. papers) | May 23, 2025 |
| Special Session, Workshop & Tutorial | June 13, 2025 |
| 1 st Round of Paper Review Notifications | July 7, 2025 |
| 2 nd Round Paper Review Submission | July 25, 2025 |
| Final Paper Acceptance Notification | August 15, 2025 |
| Final Camera Ready Paper | September 1, 2025 |
| 1-page Abstract Submission Window | May 1 - October 1, 2025 |
| 1-page Abstract Acceptance Notification | decisions released every two weeks |



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