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IEEE BHI2025

IEEE-EMBS INTERNATIONAL CONFERENCE ON
BIOMEDICAL AND HEALTH INFORMATICS
OCTOBER 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 in **Georgia Tech, Atlanta, Georgia, USA in October 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 Double-Blind Review, Open Access and submission to IEEE Xplore
- » 1-page extended abstracts for poster presentations and rapid fire sessions
- » Best paper awards for recognizing innovative and excellence research.
- » Continuing Medicine 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

JBHI Special Issue Submission Deadline	May 23, 2025
JBHI Triage Decision	June 3, 2025
BHI Regular Conference Paper Deadline	June 6, 2025
Special Session, Workshop & Tutorial	June 13, 2025
1 st Round of Paper Review Notifications	July 22, 2025
Author Rebuttal Stage	July 22 – Aug 4, 2025
Final Paper Acceptance Notification	August 18, 2025
Final Camera Ready Paper	September 1, 2025
1-page Abstract Submission Window	May 1 - October 1, 2025
1-page Abstract Acceptance Notification	decisions every 2 weeks



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