2025 IEEE 38th International Symposium on Computer-Based Medical Systems (CBMS 2025)

Madrid, Spain
18-20 June 2025

Pages 1-495

IEEE Catalog Number: CFP25CBM-POD
ISBN: 979-8-3315-2611-5

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP25CBM-POD
ISBN (Print-On-Demand):	979-8-3315-2611-5
ISBN (Online):	979-8-3315-2610-8
ISSN:	2372-918X

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

2025 IEEE 38th International Symposium on Computer-Based Medical Systems (CBMS)

CBMS 2025

Table of Contents

Special Track on Generative Artificial Intelligence for Biomedical Applications (GAI4BA) I

Main Track: Medical Image Segmentation I

Main Track: Unsupervised and Semi-Supervised Learning with Biomedical Data

Main Track: AI for Clinical Data

Poster's Presentations

Special Track on Generative Artificial Intelligence for Biomedical Applications (GAI4BA) II

Main Track: Medical Image Segmentation II

Main Track: Smart Monitoring and Imaging in Healthcare

Main Track: NLP and Pattern Learning in Health

Special Track on Network Medicine (NM) I

Main Track: Medical Image Segmentation III

Main Track: AI in Cancer Diagnosis and Prediction

Main Track: Glucose Prediction and Diabetes Management

Poster's Presentations

Special Track on Network Medicine (NM) II

Main Track: Medical Image Segmentation IIII

Main Track: m-Health and Telemedicine

Main Track: Speech Analysis

Special Track on Multimodal Artificial Intelligence in Healthcare (MAIH) I

Special Track on Security and Privacy in Health Systems—Addressing Technology, Society, and Law (SPHS)

Main Track: Virtual and Interactive Technologies in Healthcare

Main Track: AI for Diagnosis, Prediction and Radiomics

Poster's Presentations

Special Track on Multimodal Artificial Intelligence in Healthcare (MAIH) II

Main Track: Bioinformatics

Main Track: Monitoring and Interaction in Assistive Therapies

Main Track: Explainability and Interpretability in Medicine

Special Track on Multimodal Artificial Intelligence in Healthcare (MAIH) III

Special Track on Semantic Interoperability of Biomedical Data (SIBIDA) I

Main Track: AI in Chest Imaging

Main Track: Advanced Learning Techniques in Medical Decision Support

Poster's Presentations

Special Track: Projects and Industry Track

Special Track on Semantic Interoperability of Biomedical Data (SIBIDA) II

Main Track: Computational Signal Processing

Main Track: Deep Learning in Medicine

Main Track: Biomedical Signal, Image Processing and Machine Vision

Main Track: Vision and Language Models

Main Track: Advances in Computed Tomography

Main Track: Digital Solutions for Health Systems

Main Track: Biomedical Signal and Medical Image

Main Track: Neurofeedback Applications

Main Track: Eye-Tracking and AI in Clinical Assessment

Main Track: Advanced Technologies and Optimization in Clinical Applications

Author Index