Conference Abstract

2025 10th International Conference on Biomedical Signal and Image Processing (ICBIP 2025)

Chengdu, China | August 1-3, 2025

The Sunshine Chengdu International Convention Center
阳光成都国际会议中心

Co-Sponsored by

Patrons

www.icbip.org

Conference Venue

The Sunshine Chengdu International Convention Center

阳光成都国际会议中心

Address: No. 188, Hezuo Road, High-Tech West District, Chengdu, Sichuan Province, China

四川省成都市高新西区合作路 188

Group Price/团体价:

Superior Room with breakfast: 320CNY per night/高级房 320 元每间含早

Deluxe Room with breakfast: 350CNY per night/豪华房 350 元每间含早

Tel.: Mr. Zou, +86 15828434443

联系电话: 邹经理 15828434443

Note: The registration fee does not cover the accommodation. It is suggested that an early reservation be done because of peak season.

Agenda Overview

Day 1, August 1, 2025, Friday (GMT+8)

Arrival Registration & Online Test		
Duration	**Event**	
10:00-17:00	**Arrival Registration & Conference Material Collection**	**Venue**: Lobby of the Sunshine Chengdu International Convention Center (1F) 阳光成都国际会议中心-酒店一楼
Note: the arrival registration can be done on August 2, 2025.		
	Online Test	**ZOOM**
10:00-11:30	UA0003, UA0031, UA0057, UA0023 UA0043, UA1001, UA0019, UA0079, UA0008	

Day 2, August 2, 2025, Saturday (GMT+8)

Duration	Event	Venue
09:00-09:05	**Opening Remarks** Prof. Zhaoyun Duan, Deputy Dean at the School of Electronic Science and Engineering University of Electronic Science and Technology of China (UESTC) , China	Third Meeting Room (5F-Sunshine Daxuetang) 阳光大学堂-五层第三会议室
09:05-09:35	**Keynote Speaker I** Prof. Haiteng Jiang, Zhejiang University, China Speech Title: "Translational Psychiatry with Real-World Clinical EEG"	
09:35-10:05	**Keynote Speaker II** Prof. Donghyun Kim, Yonsei University, South Korea Speech Title: "Metaplasmonics for Advanced Biomedical Sensing and Imaging Applications"	
10:05-10:30	**Group Photo & Coffee Break**	
10:30-11:00	**Keynote Speaker III** Prof. Dakun Lai, University of Electronic Science and Technology of China (UESTC) , China Speech Title: "AI-Enabled Wearable Electronics in Cardiology"	Third Meeting Room (5F-Sunshine Daxuetang) 阳光大学堂-五层第三会议室

11:00-11:20	**Invited Speaker I** Assoc. Prof. Jianjun Meng, Shanghai Jiao Tong University, China Speech Title: "Motor Imagery-Based Brain-Computer Interface: Its Decoding and Control"	
11:20-11:40	**Invited Speaker II** Assoc. Prof. Zhiwei Wang, Huazhong University of Science and Technology, China Speech Title: "Mask is Not All You Need: Box-supervised Polyp Segmentation in Images and Videos"	Third Meeting Room (5F-Sunshine Daxuetang) 阳光大学堂-五层第三会议室
11:40-12:00	**Invited Speaker III** Dr. Rajeev K. Singla, West China Hospital, Sichuan University, China Speech Title: "Innovative Biomaterials from the Cocos nucifera L. Endocarp: Economical and Sustainable Bioresource"	
12:00-13:40	**Lunch---Venue: Western Restaurant (西餐厅)**	

Venue One-会场一

Duration	Venue: First Meeting Room (2F-Sunshine Daxuetang) 阳光大学堂-二层第一会议室
13:40-14:00	**Invited Speaker IV** Dr. Fan Lin, Tongji Hospital, Tongji Medical College, Huazhong University of Science and Technology, China Speech Title: "AI in Atrial Fibrillation Research: Clinician Perspectives on Challenges and Opportunities"
14:00-15:45	**Special Session 1- Intelligent Medical Signal Processing and AI-Driven Disease Detection: From Wearables to Brain-Computer Interfaces** UA0061, UA0059-A, UA0040, UA0075 UA0073, UA0041-A, UA0024
15:45-15:55	**Coffee Break**
15:55-17:55	**Special Session 2- Multimodal and Neuromorphic Intelligence in Biomedical Applications** UA0026, UA0038, UA1002, UA0078 UA0072, UA0063-A, UA0002, UA0029

Venue Two-会场二

Duration	Venue: Second Meeting Room (2F-Sunshine Daxuetang) 阳光大学堂-二层第二会议室
13:40-14:00	**Invited Speaker V** Assoc. Prof. Liu Yan, Sichuan University, China Speech Title: "Medical Image Segmentation Method Driven by Geometric Shape Features"
14:00-15:45	**Oral Session 1- Medical Imaging and AI Frontiers in Medical Image Processing** UA1004, UA0007, UA0021, UA1003 UA0032, UA0035, UA0030
15:45-15:55	**Coffee Break**
15:55-17:40	**Oral Session 2- Intelligent Medical Technologies for Innovative Diagnosis and Therapy of Diseases** UA0033, UA0011, UA0005, UA0018 UA0027, UA0044, UA2009-A

Venue Three-会场三

Duration	Venue: First Meeting Room (4F-Sunshine Daxuetang) 阳光大学堂-四层第一会议室
13:40-14:00	**Invited Speaker VI** Prof. Gang Wang, Xi'an Jiaotong University, China Speech Title: "Assessing Propofol Anesthesia Susceptibility Based on Source-Space EEG Connectivity in Low Alpha Band"
14:00-15:45	**Special Session 3- Decoding Brain Electrical Activity: Uncovering Neural Mechanisms and Driving Advances in Brain-Computer Interfaces** UA0062, UA0022, UA0050, UA0046 UA0028, UA0076, UA1005
16:30-17:30	**Poster Session- Biomedical Image and Signal Processing** UA0060, UA0069-A, UA0071-A, UA0070-A UA0064, UA2010-A, UA0006, UA0039, UA0047-A

18:00-20:00	**Dinner---Venue: Western Restaurant(西餐厅)**

Day 3, August 3, 2025, Sunday (GMT+8)

	Online Oral Session
09:00-11:30	**Multimodal Intelligent Computing for Precision Medical Diagnosis and Surgical Assistance** UA0003, UA0031, UA0057, UA0023, UA0043 UA1001, UA0019, UA0079, UA0008, UA0048-A

Tips:

Please arrive at the Conference Room or log in the ZOOM Room 15 minutes ahead of the session. The duration for Keynote Speech: about 25 minutes of presentation and 5 minutes of Q&A. The duration for Invited Speech: about 15 minutes of presentation and 5 minutes of Q&A. The duration for Regular Presentation: about 12 minutes of presentation and 3 minutes of Q&A.