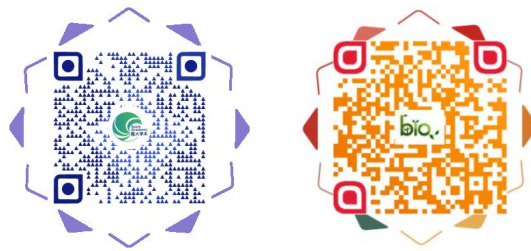


**2023 5th International Conference on Intelligent Medicine and  
Image Processing (IMIP 2023)**

**March 17-20, 2023, Tianjin, China**



**Co-Sponsored By**



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Session 1-Artificial Intelligence and Engineering Application	UT0027, UT2006, UT0035, UT1010, UT0045, UT0030, UT0056, UT0079, UT1012
Session 2-Object Detection	UT0011, UT0062, UT0012, UT0080, UT2008, UT0073, UT1013, UT0114, UT0020
Session 3-Medical Imaging Technology and Machine Vision	UT0066, UT0092-A, UT0101, UT1005, UT1006, UT2002, UT0141, UT0050, UT0083
Session 4-Data Analysis and Calculation Model in Information System	UT0013, UT0077, UT0132, UT0143, UT0021, UT0068, UT0105, UT0128
Session 5-Image Segmentation and Recognition Technology	UT0117, UT2001, UT1015, UT0120, UT0124, UT0048, UT0145, UT0049
Session 6-Image Analysis and Data Calculation	UT0044, UT0026, UT0072, UT1002, UT2013, UT2026, UT0065, UT0047
Session 7-Information Model and Data Analysis	UT0024, UT0088, UT0127, UT2014, UT0099, UT2024, UT0081, UT0103, UT2021
Session 8-Intelligent Control System and Information Technology Based on AI	UT0070, UT0161, UT0018, UT0091, UT0097, UT0108, UT0122, UT1008, UT0130
Session 9-Image Analysis and Calculation	UT2018, UT0025, UT0036, UT0112, UT0121, UT0129, UT0032, UT0159, UT2015
Session 10-Language Model and Text Analysis	UT0160, UT0006, UT0055, UT0087, UT0098, UT0107, UT0140 UT0010
Session 11-Intelligent Algorithm Design and Optimization Calculation	UT0022, UT0041, UT0076, UT0125, UT0137, UT0152, UT1007 UT0064, UT1031
Session 12-Machine Learning in Image Processing	UT0150, UT0109, UT0147, UT2017, UT2022, UT2028, UT2005 UT0162, UT0106
Session 13-Machine Vision and Image Detection	UT0005, UT0043, UT0051, UT0090, UT0115, UT0155, UT1016, UT0123, UT2023
Session 14-Data Detection and Measurement	UT0111, UT0133, UT0058, UT0085, UT0139, UT0017, UT0052, UT0138, UT0154
Session 15-Image and Speech Recognition	UT0008, UT0029, UT0057, UT0084, UT0095, UT0134, UT2020 UT0054
Poster Session-Image Detection and Communication Engineering	UT0016, UT1003, UT1004, UT0067, UT0015, UT0071, UT0082, UT0069, UT0014, UT0119

## Arrival Registration-March 17, 2023 (Friday), GMT+8

Arrival Registration & Conference Material Collection	Duration
Venue: Lobby of the International Academic Exchange Center (1F)	10:00-16:00

Note: the arrival registration can be done on March 18, 2023.



## Test Session-March 17, 2023 (Friday), GMT+8

Duration	Test for	Meeting Room
10:00-10:30	Prof. Hideaki Haneishi, Prof. Li Li, Prof. Ruikang Wang, Prof. Dong Ming	ZOOM Room A
10:30-12:00	Prof. Le Wu, Assoc. Prof. Congduan Li, Assoc. Prof. Weiwei Du, Dr. Dongxu Yang, Asst. Prof. Jiaqing Liu, Assoc. Prof. Mengting Hu, Assoc. Prof. Chisako Muramatsu, Dr. Zuraini Zainol	
14:00-15:30	Session 7&8	ZOOM Room B
	Session 9&10	ZOOM Room A
	Session 11&12	ZOOM Room B
15:30-17:00	Session 13&14	ZOOM Room A
	Session 15	ZOOM Room B

## Onsite Session-March 18, 2023 (Saturday), GMT+8

## Morning Session-Conference Center (会议中心)

Meeting Room 7 (3F)   会议中心第七会议室 (3楼)		Duration
ZOOM ROOM A		
Host	Prof. Zhitao Xiao, Tiangong University, China	09:00-09:10
Opening Remarks	Vice President-Prof. Yi Liu, Tiangong University, China	
	Prof. Jie Yang, Shanghai Jiao Tong University, China	
Host	Prof. Baoju Zhang, Tianjin Normal University, China	09:10-10:20
Keynote Speaker 1	Prof. Hideaki Haneishi, Chiba University, Japan Speech Title: "Multimodal and Multiscale Image Analysis of Perfusion in Rodent Skin Flap"	09:10-09:55
Invited Speaker 1	Assoc. Prof. Qiufeng Wang, Xi'an Jiaotong-Liverpool University, China Speech Title: "Towards Long-Tailed Oracle Character Recognition"	09:55-10:20
Group Photo&Coffee Break		10:20-10:45
Host	Prof. Yanwei Pang, Tianjin University, China	10:45-12:20
Invited Speaker 2	Assoc. Prof. Wei Liu, Shanghai Jiao Tong University, China Speech Title: "Fast and Robust Image Filtering: Methods and Applications"	10:45-11:10
Invited Speaker 3	Asst. Prof. Yun Gu, Shanghai Jiao Tong University, China Speech Title: "Visual Learning for Pulmonary Anatomical Parsing and Surgery Planning"	11:10-11:35
Keynote Speaker 2	Prof. Li Li, Tsinghua University, China Speech Title: "Accelerating DNN Training Using Typicality Sampling and Achieving Better Generalization via Non-Typicality Sampling"	11:35-12:20
Lunch-Meeting Room 5 (2F)/第五会议室 (2楼)		12:20-13:40

## Afternoon Session-International Academic Exchange Center-国际学术交流中心酒店

Meeting Room 2 (3F) 第二会议室 (3楼)	Meeting Room 3 (3F) 第三会议室 (3楼)	Meeting Room 4 (3F) 第四会议室 (3楼)	Duration
Session 1--Artificial Intelligence and Engineering Application	Session 2--Object Detection	Session 3--Medical Imaging Technology and Machine Vision	13:40-15:55
Coffee Break			15:55-16:15
Session 4--Data Analysis and Calculation Model in Information System	Session 5--Image Segmentation and Recognition Technology	Session 6--Image Analysis and Data Calculation	16:15-18:15
Meeting Room (3F)/会议室 (3楼)			Duration
Poster Session--Image Detection and Communication Engineering			14:00-18:00
Dinner-Meeting Room 5 (2F)/第五会议室 (2楼)			18:30-20:00



Online Session-March 19, 2023 (Sunday), GMT+8

ZOOM Room A			Duration
Host	Dr. Guangxu Li, Tiangong University, China		09:00-10:30
Keynote Speaker 3	Prof. Ruikang Wang, University of Washington, USA Speech Title: "Advances in Optical Coherence Tomography Angiography"		09:00-09:45
Keynote Speaker 4	Prof. Jimmy Liu, Southern University of Science and Technology, China Speech Title: "Intelligent Ocular Image Process – Research Update of iMED Team"		09:45-10:30
Break			10:30-11:00
Host	Prof. Limei Song, Tiangong University, China		11:00-12:10
Keynote Speaker 5	Prof. Dong Ming, Tianjin University, China Speech Title: "Brain-Body Associations during Motor Tasks after Electrical Stimulation-based Motor Rehabilitation"		11:00-11:45
Invited Speaker 4	Prof. Le Wu, Hefei University of Technology, China Speech Title: "Fairness in Recommendation: Challenges, Solutions, and Future Directions"		11:45-12:10
Break			12:10-13:30
ZOOM ROOM A	ZOOM ROOM B	ZOOM ROOM C	Duration
Session 7--Information Model and Data Analysis	Session 8--Intelligent Control System and Information Technology Based on AI	Session 9--Image Analysis and Calculation	13:30-15:45
Break			15:45-16:05
Session 10--Language Model and Text Analysis	Session 11--Intelligent Algorithm Design and Optimization Calculation	Session 12--Machine Learning in Image Processing	16:05-18:20

**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 40 Minutes of Presentation and 5 minutes of Q&A. The duration for Invited Speech: about 20 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.



Online Session-March 20, 2023 (Monday), GMT+8

ZOOM Room A		Duration
Host	Prof. Qi Wang, Tiangong University, China	09:00-10:15
Invited Speaker 5	Assoc. Prof. Weiwei Du, Kyoto Institute of Technology, Japan Speech Title: "Image Inpainting using Automatic Structure Propagation with Auxiliary Line Construction"	09:00-09:25
Invited Speaker 6	Dr. Dongxu Yang, University of Texas Southwestern Medical Center (UTSW), USA Speech Title: "Proton Intra-beam Range Verification with Low-dose, Short-acquisition, Online PET Imaging"	09:25-09:50
Invited Speaker 7	Asst. Prof. Jiaqing Liu, Ritsumeikan University, Japan Speech Title: "Multimodal Deep Learning in Depression Estimation"	09:50-10:15
Break		10:15-10:25
Host	Dr. Guangxu Li, Tiangong University, China	10:25-12:05
Invited Speaker 8	Assoc. Prof. Mengting Hu, Nankai University, China Speech Title: "Frontiers on Aspect Level Sentiment Analysis"	10:25-10:50
Invited Speaker 9	Assoc. Prof. Chisako Muramatsu, Shiga University, Japan Speech Title: "Toward Prediagnosis and Automatic Filing of Dental Panoramic Images"	10:50-11:15
Invited Speaker 10	Assoc. Prof. Congduan Li, Sun Yat-sen University, China Speech Title: "Efficient Source Inference in Large-Scale Networks based on Community Detection"	11:15-11:40
Break		11:40-13:30
ZOOM ROOM A	ZOOM ROOM B	Duration
Session 13--Machine Vision and Image Detection	Session 14--Data Detection and Measurement	13:30-15:45
Break		15:45-16:05
ZOOM ROOM A		Duration
Session 15--Image and Speech Recognition		16:05-18:05
Award and Closing Ceremony--Prof. Hiroshi Fujita, Gifu University, Japan		18:15-18:30

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