16th International Conference on Complex Medical Engineering (CME 2022)

October 16-19, 2022, Zhongshan, China

Advisory Council Honorary Chairs	HOST: INSTITUTE OF COMPLEX MEDICAL ENGINEERING
Huilin Jiang, Changchun University of Science and	ORGANIZERS:
Technology, China Mark Hallett, National Institutes of Health, USA	ZHONGSHAN INSTITUTE OF CHANGCHUN UNIVERSITY OF SCIENCE AND
Tsu-Tian Lee, Chung Yuan Christian Univ., Taiwan	TECHNOLOGY,
Tzyy-Ping Jung, University of California San Diego, USA	
Advisory Council Chairs:	SCHOOL OF COMPUTER SCIENCE AND TECHNOLOGY,
Koji Abe, National Center of Neurology and Psychiatry,	CHANGCHUN UNIVERSITY OF SCIENCE AND TECHNOLOGY
Japan	MEDICAL COLLEGE OF TIANJIN UNIVERSITY,
Hisao Tachibana, Nishinomiya Kyoritsu Neurosurgical	SCHOOL OF MECHATRONICAL ENGINEERING, BEIJING INSTITUTE OF
Hospital, Japan Qun Hao, Changchun University of Science and	
Technology, China	TECHNOLOGY,
Dong Ming, Tianjin University, China	INTERNATIONAL JOINT RESEARCH CENTER OF BRAIN INFORMATICS AND
Yuegang Fu, Changchun University of Science and	INTELLIGENCE SCIENCE
Technology, China	CO-ORGANIZER: AEIC ACADEMIC EXCHANGE INFORMATION CENTER
General Chair	
Prof. Huamin Yang, Changchun University of Science and Technology, China	The 2022 laterational Conference Constant Maliation
General Co-Chairs:	The 2022 International Conference on Complex Medical and
Yoko Hoshi, Hamamatsu University School of Medicine,	Engineering (CME 2022), which will take place in Zhongshan,
Japan	Guangdong, China from October 16 to October 19, 2022. Due to the
Mechael A. Nitsche, Leibniz Research Centre for Working	influence of the Covid-19 pandemic, the CME 2022 will be held in a
Environment and Human Factors, Germany	hybrid format, including simultaneous on-site and cloud meetings.
Minpeng Xu, Tianjin University, China	
Organizing Committee Chair	Located in Zhongshan, Guangdong, China. Zhongshan is a small city
Lijuan Li, Zhongshan Institute of Changchun University of Science and Technology, China	located in the geometric center of the Guangdong-Hong Kong-
Organizing Committee Co-chairs	Macao Greater Bay Area in China. It is one of a very few cities in China
Jinglong Wu, Beijing Institute of Technology, China	named after a person. It is named after Dr. Sun Yat-sen (1866–1925),
Zhengang Jiang, Changchun University of Science and	who is known in Mandarin as Sun Zhongshan.
Technology, China	-
Guangjian Ni, Tianjin University, China Yan Wu, International Joint Research Center of Brain	As the host city of CME 2022, Zhongshan not only provides the
Informatics and Intelligence Science	attendees with a great venue for this event, but also an unparallel
Organizing Committee Members	experience of immersing in Chinese history and culture. You are
Yo-Ping Huang, National Penghu University of Science	cordially invited to join us at CME 2022 in Zhongshan. The objective of
and Technology, Taiwan Shozo Tobimatsu, Fukuoka International University of	CME2022 is to provide a forum for researchers, educators, engineers,
Health and Welfare, Japan	and government officials involved in the general areas of medical
Tetsuo Kobayashi, Kyoto University, Japan	-
Xiaodong Zhang, Tianjin University, China	engineering, neurorehabilitation and medicine to disseminate their
Yanna Ren, Guizhou University of Traditonal Chinese Medicine, China	latest research results and exchange views on the future research
Ou Bai, Florida International University, USA	directions of these fields. Topics of interest for submission include,
Ming Zhang, Soochow university, China	but are not limited to:
Peng Xu, Huazhong University of Science and Technology, China	- Neural Technology and Neural Rehabilitation
Jing jin, East China University of Science and Technology,	
China	- Brain Machine Interface, Brain Computer Interface
Zuobin Wang, Changchun University of Science and	- Biomedical Image Processing and Biomedical Optics
Technology, China Jie Xiang, Taiyuan University of Technology, China	 Nano-techniques and Materials in Medicine
Academic Committee Member	- Nano/Micro Bio-robotics; Nano Bio-materials
Tetsuo Touge, Kagawa University, Japan	- Cognitive Neuroscience and Technology
Shuxiang Guo, Kagawa University, Japan	
Hidenao Fukuyama, Kyoto University, Japan John Rothwell, University College of London, UK	- Cranial Nerve Disease
Wanzhong Chen, Jilin University, China	- Biosensors and Bio-analytics
Wenhui Li, Jilin University, China	

Zhenlan Li, Jilin University, China Shouyan Wang, Fudan University, China Yunfa Fu, Kunming University of Science and Technology, China Jingtao Fan, Tsinghua University, China Fengfeng Zhou, Jilin University, China Lihua Zhang, Fudan University, China Awards Committee Chairs Kewei Chen, Banner Alzheimer's Institute, USA Shuhei Yamaguchi, Shimane University, Japan Xiuyun Liu, Tianjin University, China **Publications Chair** Zhilin Zhang, Shenzhen Institute of Advanced Technology, China Yongzhi Huang, Tianjin University, China **Publicity Chairs** Ttsuya Mima, Ritsumeikan University, Japan Yoshinobu Goto, International University of Health and Welfare, Japan Jiajia Yang, Okayama University, China **Finance Chairs** Masao Matsuhashi, Kyoto University, Japan Bin Wang, Taiyuan University of Technology, China **Conference Secretariats** Qi Dai, Okayama University, Japan Xin Zhang, Tianjin University, China Ziye Li, Zhongshan Institute of Changchun University of Science and Technology, China **Program Chairs** Qi Li, Zhongshan Institute of Changchun University of Science and Technology, China Yo-Ping Huang, National Penghu University of Science and Technology, Taiwan **Program Co-chairs** Shusaku Tsumoto, Shimane University, Japan Chenguang Zheng, Tianjin University, China Shifeng Wang, Zhongshan Institute of Changchun University of Science and Technology, China **Organized Session Chairs** • Shinichi Izumi, Tohoku University, Japan Yusaku Nakamura, Kinki University, Japan Tianyi Yan, Beijing Institute of Technology, China Mamoru Mitsuishi, The University of Tokyo, Japan Seiii Nakagawa, Chiba university, Japan Sandor Markon, Kobe Institute of Computing, Japan Keisuke Miyake, Kagawa University, Japan Keisuke Suzuki, Kagawa University, Japan Bin Wang, Taiyuan University of Technology, Japan Jiajia Yang, Okayama University, Japan Yasuyuki Ohta, Yamagata University, Japan Qiong Wu, Suzhou University of Science and Technology, China Toru Yamashita, Okayama University, Japan Lijuan Li, Zhongshan Institute of Changchun University of Science and Technology, China Zhengang Jiang, Changchun University of Science and Technology, China Zuobin Wang, Changchun University of Science and Technology, China

Qi Li, Zhongshan Institute of Changchun University of Science and Technology, China

Organized Sessions: A proposal for an OS should include the title, the name(s) of organizer(s) and a brief description of the purpose of the OS. It must be sent to ICME office addressed to (<u>cme2022@cust.edu.cn</u>) by no later than by April 10, 2022. Based on CME 2022 policy, each OS session consists of 4 to 6 presenters.

Abstract Only: Please submit an abstract of up to 350 words excluding Title, Author's name, Affiliation, Mail address and Index terms via CME2022's paper submission system no later than May 1, 2022. If the abstract is accepted, the author is invited to an oral presentation. Please refer <u>the sample.</u>

Contributed Papers: All papers must be submitted in PDF format prepared strictly mum page limit is 6 pages with extra payment for the two extra pages. See detailed instructions in the conference website. All papers accepted by CME 2022 will be indexed by EI and included in IEEE Xplore®. (Applying)

Extensions of selected papers will be published in a special issue of the following journals:

- Processes (negotiating)
- Journal Neuroscience and Biomedical Engineering (JNBE)

Important Dates (US Pacific Time):

- APRIL 10, 2022 Submission of organized session
- MAY 1, 2022 Submission of abstracts and full papers
- MAY 15, 2022 Notification of abstracts and full papers acceptance
- JUNE 1, 2022 Submission of final papers in IEEE PDF format
- OCTOBER 16, 2022 Authors' registration