# CME 2022
# 2022 16th International Conference on Complex Medical Engineering
## October 16-19, 2022, Zhongshan, China

**Sponsor：**

Zhongshan Institute of Changchun University of Science and Technology

**Supports：**

School of Computer Science and Technology, Changchun University of Science and Technology

Medical College of Tianjin University

School of Mechatronical Engineering, Beijing Institute of Technology

International Joint Research Center of Brain Informatics and Intelligence Science



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Yo-Ping Huang, National Penghu University of Science and Technology, Taiwan

**Important Dates (US Pacific Time):**

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| June 20, 2022 | Organized Sessions |
| July 10, 2022 | Full Paper and Abstract Submission |
| July 25, 2022 | Notification of Acceptance |
| August 10, 2022 | Final Paper Submission |
| October 16-19, 2022 | Conference Date |

# Call for Papers

2022 16th International Conference on Complex Medical Engineering (CME 2022), will be held in Zhongshan, Guangdong, China, from October 16 to 19, 2022. Due to the influence of the Covid-19 pandemic, CME 2022 will be held in a hybrid format, including simultaneous on-site and cloud meetings. The conference site is located in Zhongshan, at the geometric center of the Guangdong-Hong Kong-Macao Greater Bay Area in China. It is one of a very few cities in China named after a person. It is named after Dr. Sun Yat-sen (1866–1925), who is known in Mandarin as Sun Zhongshan.

As the host city of CME 2022, Zhongshan not only provides the attendees with a great venue for this event, but also an unparallel experience of immersing in Chinese history and culture. You are cordially invited to join us at CME 2022 in Zhongshan. The objective of CME 2022 is to provide a forum for researchers, educators, engineers, and government officials involved in the general areas of medical engineering, neurorehabilitation and medicine to disseminate their latest research results and exchange views on the future research directions of these fields.

**The topics of interest include, but not limited to the following:**

- Neural rehabilitation engineering and clinical engineering
- Brain machine interface, Brain computer interface
- Wearable device and biomedical sensors
- Biomedical signal processing
- Image-guided interventional surgery
- Tele-consultation, mobile health care and internet of things technologies
- Medical image processing
- Image reconstruction and retrieval
- Biomedical optics
- Teherz biomedicine
- Algorithms, models, software, and tools in Bioinformatics
- Medical big data and machine learning
- Application of artificial intelligence for medical engineering
- Computer-aided diagnosis
- Nano-techniques and materials in medicine
- Nano/Micro bio-robotics; Nano bio-materials
- Cognitive neuroscience and technology
- Mechanism, diagnosis and treatment of cerebral nerve diseases
- Innovative drugs and biomarker
- Pharmacology and medicinal chemistry

**Both Full Paper and Abstract are welcomed.**

**Full Papers:** All papers must be submitted in PDF format prepared strictly mum page limit is 4 pages with extra payment for extra pages. All accepted full papers will be published in conference proceedings and will be submitted for EI compendex and Scopus for indexing. Extensions of selected papers will be published in a special issue of the following journals:

-Processes

-Journal Neuroscience and Biomedical Engineering (JNBE)

-Frontiers in Computational Neuroscience

**Abstract only:** Please submit an abstract of up to 350 words excluding Title, Authors name, Affiliation, Mail address and Index terms. The author can make an oral presentation after the Abstract is accepted and the payment is finished.

**Organized Sessions was encouraged**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 CME office addressed to**(contact@cme2022.org)**by no later than by June 20, 2022.