

## 2020 BenchCouncil International Symposium on Intelligent Medical Technology (MedTech 20) Call for Papers

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Web: <http://www.benchcouncil.org/im20/en/index.html>

June 30 – July 1, 2020, Qingdao, Shandong, China

### ✧ Introduction

BenchCouncil International Symposium on Intelligent Medical Technology (MedTech 20) will be held in Qingdao, a beautiful seaside city in China from June 30 to July 1. The main theme of MedTech 20 is AI and Computer Sciences for Medicine. MedTech 20 is a part of [2020 BenchCouncil Federated Intelligent Computing and Block Chain Conferences \(FICC 2020\)](#), joint with [Symposium on Intelligent Computers \(IC 20\)](#), [Symposium on Financial Technology \(FinTech 20\)](#), [Symposium on Block Chain \(BChain 20\)](#), and [Symposium on Education Technology \(EduTech 20\)](#). This conference organization retains the advantages of a smaller conference, while at the same time, facilitates communication, collaboration, and interplay among different disciplines. Hereby, MedTech 20 is for the communication, collaboration, and interplay among the communities of Medicine, AI and Computer Sciences.

Since its founding, [BenchCouncil](#) has two fundamental responsibilities. On one hand, it encourages data-driven, intelligence-inspired, and benchmark-based quantitative approaches to tackling multi-disciplinary challenges. On the other hand, BenchCouncil incubates benchmark projects and hosts the BenchCouncil benchmark projects, and further encourages reliable and reproducible research using the [BenchCouncil benchmark projects or incubator benchmark projects](#). To that end, we present the BenchCouncil Award for Excellence for Reproduceable Research to the papers related with those projects (each paper \$100 prize, maximally up to 15 papers for MedTech 20). We welcome the industry leaders as sponsors to provide the testbed and the honorariums for the above awards.

In addition, we will invite influential speakers from around the world.

### ✧ Call for papers

Topics

Specific topics of interest include, but are not limited to, the following.

- \*\* Simulation Systems, Tools, and Methods for Life Sciences
- \*\* Sensors and IoT Systems for Life Sciences
- \*\* AI, Block Chain, Cloud, and Data Techniques for Medicine
- \*\* Big Medical Data and Privacy Protection
- \*\* Medical AI and Interpretable Medical Models
- \*\* Medical Data and AI Practice and Case Study
- \*\* Drug Discovery and Computer-aided Design
- \*\* Internet-based Medical Diagnosis
- \*\* Artificial Intelligence in Medical Diagnosis
- \*\* Artificial Intelligence and Medical Image Analysis
- \*\* Medical Robot
- \*\* Medical Education and Training
- \*\* Medical Data Sets, Standardization, and Benchmarks

◇ Paper Submissions:

Papers must be written in English and submitted in PDF. **The submissions will be judged based on the merit of the ideas rather than the length.** For a paper, the page limit is 8 pages in standard two-column IEEE conference format or 12 pages in LNCS format, not including references. For a valid submission, the page size should exceed 4 pages in standard two-column IEEE conference format or 6 pages in LNCS format, not including references. After the acceptance decisions are made, the presentation mode of each **paper** is determined based on the recommendations as **poster**, **spotlight**, or **oral**. All **accepted papers**, regardless of presentation mode, appear in the proceedings as full-length papers. The proceeding of 2020 BenchCouncil International Federated Intelligent Computing and Block Chain Conferences will be published by Springer LNCS (Indexed by EI). **For the papers which win the BenchCouncil Award for Excellence for**

**Reproducible Research (each paper \$100 prize, maximally up to 15 papers for MedTech 20), an extended version must be submitted to a BenchCouncil Transaction.**

### **Formatting Instructions**

*IEEE conference format:*

8.5" x 11" ([DOC](#), [PDF](#))

[LaTeX Formatting Macros](#)

*LNCS format:*

[LaTeX Template](#)

Please make sure your submission satisfies ALL of the following requirements:

- Paper must be submitted in printable PDF format.
- Please number the pages of your submission.
- The submission must be formatted for black-and-white printers. Please make sure your figures are readable when printed in black-and-white.
- The submission must describe unpublished work that is not currently under review of any other conference or journal venues.

### **Submission site:**

<https://easychair.org/conferences/?conf=ficc2020>

Please note that we will use the same submission site for the four conferences. Specifically, each track will be set up for each individual conference.

### ✧ Important Dates

|                          |                                    |
|--------------------------|------------------------------------|
| Paper Submission:        | April 15, 2020 (Anywhere on Earth) |
| Acceptance Notification: | May 15, 2020                       |
| Camera-ready Version:    | June 1, 2020                       |
| Conference Date:         | June 30 - July 1, 2020             |

### ✧ Organization

General Co-Chairs

Prof. Demin Han, Capital Medical University

Prof. Yike Guo, Imperial College London

Organization Committee Co-Chairs

Prof. Xiaomin Wang, Capital Medical University

Prof. Tongzhu Liu, First Affiliated Hospital of China University of science and Technology (Anhui Provincial Hospital)

Organization Committee Vice Chairs

Prof. Huadong Wang, Jinan University

Prof. Chen Zhang, Capital Medical University

Prof. Zhangsheng Li, Guangzhou Medical University

Dr. Di Zhao, Associate Professor, Institute of Computing Technology

Organization Committee Members

Dr. Zhifei Zhang, Associate Professor, Capital Medical University

Chunjie Luo, Institute of Computing Technology, Chinese Academy of Sciences

Program Committee Co-Chairs

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Prof. Qiyong Gong, West China Hospital

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Abdulkadir Sengur, Firat University

Varun Bajaj, Indian Institute of Information Technology

Omer Faruk Alçin, Bingöl University, Turkey

Md. Nurul Ahad Tawhid, University of Dhaka, Bangladesh

Md. Mijanur Rahman, University of Newcastle, Australia

Md. Rafiqul Islam, University of Technology Sydney, Australia

Juanying Xie, Shaanxi Normal University, PR China

Chaoyi Pang, Zhejiang University Ningbo Institute of Technology, China

Jianhui Tian, Longhua Hospital Shanghai University of Traditional Chinese Medicine

Guanzhen Yu, Shanghai University of Traditional Chinese Medicine

Qinying Ma, The First Affiliated Hospital of Hebei Medical University

Zhaoxiang Ye, Tianjin Cancer Hospital

Dake He, Xin Hua Hospital, School of Medicine, Shanghai Jiao Tong University

Wei Ba, The General Hospital of the People's Liberation Army

Chunxiao Xing, Tsinghua University

Shaoliang Peng, Hunan University

Ming Zhang, Peking University

Gaoxiang Ouyang, Beijing Normal University

Chaoyi Pang, Zhejiang University

Juanying Xie, Shanxi Normal University

Shuai Ding, Hefei University of Technology

Ye Li, Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences

Qingcai Chen, Harbin Institute of Technology

Dongqing Wei, Shanghai Jiaotong University

Le Sun, Nanjing University of Information Science & Technology

Wenjun Tan, Northeast University

Jiaming Sun, Winning Health Technology Group Co

Lin Gan, Tianjin University

Jian Wu, Zhejiang University

Yong Xia, Northwestern Polytechnical University

Junshi, Shanghai University

Ruixuan Wang, Sun Yat-sen University

Xiaoying Tang, Southern University of Science and Technology

Dejin Yang, Beijing Jishuitan Hospital

Chaodong Wang, Xuanwu Hospital, Capital Medical University

Jieping Lu, First Affiliated Hospital of China University of science and  
Technology (Anhui Provincial Hospital)