

2020 BenchCouncil International Symposium on Intelligent Computers (IC 20) Call for Papers

Web: <http://www.benchcouncil.org/ic20/en/index.html>

June 29-30, 2020, Qingdao, Shandong, China

✧ Introduction

As integrated parts of the intelligent computers ecosystem, AI chips, systems, algorithms, and applications receive widespread attention from both academy and industry. [BenchCouncil International Symposium on Intelligent Computers \(IC 20\)](#) will be held in Qingdao, a beautiful seaside city in China from June 29 to June 30. The main theme of IC 20 is to build an intelligent computer ecosystem. IC 20 is a part of [2020 BenchCouncil Federated Intelligent Computing and Block Chain Conferences \(FICC 2020\)](#), joint with [Symposium on Block Chain \(BChain 20\)](#), [Symposium on Intelligent Medical Technology \(MedTech 20\)](#), [Symposium on Financial Technology \(FinTech 20\)](#), 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.

Since its founding, [BenchCouncil](#) has two fundamental responsibilities. On one hand, it encourages data-driven, intelligence-inspired, and benchmark-based quantitative approaches to tackle 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 Reproducible Research to the papers accepted by IC 20 (each paper \$100 prize, maximally up to 15 papers for IC 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.

- ** Brain-inspired computing
- ** Neuromorphic computing
- ** Biological Quantum Computing
- ** AI Chips and Open-source Chips
- ** AI Systems
- ** AI and Big Data for Sciences
- ** AI algorithms and applications
- ** HPC AI, deep learning algorithms and applications for scientific computing
- ** Deep learning algorithms and applications for datacenter
- ** AIoT & Intelligent Industrial Internet
- ** AIOps
- ** Benchmarking, Evaluation, and Optimization

◇ 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 Reproduceable Research (each paper \$100 prize, maximally up to 15 papers**

for IC 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 29-30, 2020

✧ Organization

General Co-Chairs	Prof. Kai Hwang, The Chinese University of Hong Kong, Shenzhen
----------------------	---

Prof. Dr. Tony Hey, Rutherford Appleton Laboratory

STFC, UK

Program Prof. Chunming Rong, University of Stavanger (UiS),
Co-Chairs Norway

Prof. Yunquan Zhang, Jinan National Super Computing
Center, Director

✧ Technical Program Committee

Wenguang Chen, Tsinghua University

Tianshi Chen, Institute of Computing Technology, Chinese Academy of Sciences
& Cambricon

Junping Du, Beijing University of Posts and Telecommunications

Wanqing He, Alibaba

Kenli Li, Hunan University

Bin Cui, Peking University

Qiguang Miao, Xidian University

Yiran Chen, Duke University

Yi Pan, Georgia State University

Zhouchen Lin, Peking University

Chen Ding, University of Rochester

Cho-Li Wang, The University of Hong Kong

Chengzhong Xu, University of Macau

Qingxian Xu, National Chung Cheng University

Zhiming Zhao, University of Amsterdam

Dan Grigoras, University College Cork, Ireland

Martin G Jaatun, SINTEF, Norway

Albert Zomaya, University of Sydney

George Angelos Papadopoulos, University of Cyprus

Yeh-Ching Chung, Chinese University of Hong Kong (Shenzhen)

Jiannong Cao, The Hong Kong Polytechnic University

Thomas Hacker, Purdue University

Hong An, University of Science and Technology of China

Haipeng Jia, Institute of Computing Technology, Chinese Academy of Sciences