

China Physiological Signal Challenge 2020: Searching for Premature Ventricular Contraction and Supraventricular Premature Beat from Long-term ECGs

China Physiological Signal Challenge

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Chengyu Liu, PhD

Challenge Committee

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Zhi Tao, PhD

Alistair Johnson, PhD

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Secretariat Address:

Organizing Committee ICBE2020
No. 1, Optical valley avenue, East Lake
High-Tech Development Zone, Wuhan,
Hubei, China
Tel: +86-27-87051286
E-mail: icbeb@icbeb.org



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Dear friends,

With your great support, the 1st and 2nd China Physiological Signal Challenge (CPSC 2018 and 2019) ended with great success, which has attracted 100+ teams from the world and enormously promoted the development of open-source interactive on medical ECG big data and AI algorithms. The 3rd China Physiological Signal Challenge (CPSC 2020) will be held during ICBE2020 in Suzhou, China. We are looking forward for your attention and participation again.

Benefit from wearable healthcare, IoT technology, *etc.*, continuous long-time ECG monitoring becomes more and more realistic, and will play a more and more important role in early prediction for cardiovascular disease. Although numerous arrhythmia detectors have been developed in recent decades, and achieved high detection accuracy over the open database, there is still considerable space for improvement in the accuracy when processing the long-term dynamic ECGs. Thus, CPSC 2020 aims to encourage the development of algorithms to search for premature ventricular contraction and supraventricular premature beat among the long-term dynamic ECG recordings. More information can refer to the website <http://www.icbeb.org/Challenge.html>.

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We are looking forward to meeting you in Suzhou, in Nov. 2020.



Challenge Chair of CPSC2020
January 2020, Nanjing

Challenge hosted by:

School of Instrument Science and Engineering, Southeast University, China
State Key Laboratory of Bioelectronics, Southeast University, China
School of Biomedical Engineering and Information, Nanjing Medical University, China

