

THE 5TH INTERNATIONAL CONFERENCE ON ENTERPRISE SYSTEMS ES2017

22-24 SEPTEMBER 2017, BEIJING, CHINA

Special Session on

“Sensing and Data Analytics for Precision Medicine”

Call for Papers

Population aging and rapid disease circulation has led the insufficiency of global medical capacity more and more obvious. Especially age-related diseases, cardiovascular disease, and neurological diseases are consuming the major portion of the medical resources due to the long process and difficulties of early detection and medical care. Precision medicine technologies and systems are expected by the healthcare industry to be a promising solution of these challenges. It needs to fuse sensing information extraction technologies, sensing data analyzing technologies, and medical diagnosis application technologies etc. With strong characteristic of multidisciplinary synergy, the emerging precision medicine technologies and systems can help us to have more personalized and precise prediction, prognosis, diagnosis, and treatment. Enabled by the industrial informatics and Internet-of-Things, many of the processes of precision medicine can be done remotely, e.g. checking health in home and monitoring health on-line in real-time.

Topics of interest include, but are not limited to:

- Biosensors /Physical/Chemical sensor system for precision medicine
- Signal transduction technology(including magneto, piezo, optical and direct electrochemical techniques)
- Theranostics & implantable sensor systems
- Sensor networks
- Biomedical data mining
- Bio-imaging techniques
- Intelligent medical image analysis
- Remote healthcare systems for personalized services
- Robotics for precision medicine
- New delivery models of healthcare services

Submission

When you submit your paper, please select this section in the submission system.

Organizers:

Principal Organizer:

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Important Dates:

Submission deadline: May 31, 2017 (passed)

Notification of acceptance: July 7, 2017

Final manuscript due: July 31, 2017

Registration due: Aug 22, 2017

Note: the special sessions apply the same deadlines and submission instructions, please check the updated deadline at <http://www.ie.tsinghua.edu.cn/es2017> .