

Special Session on Smart Health and Medicine in Cyber Life (CyberSHM)

In recent years, with the rapid development of cyber computing technology, larger amount of individual related data is generated and collected from human life. As a part of human life, health and medicine combined with information technology can provide more efficient services to meet the needs of human beings. Smart Health and Medicine is a term, inherently integrating ideas from ubiquitous computing and ambient intelligence applied to the human-being concept, thus tightly connected to concepts of wellness and wellbeing, and including big data, collected by large amounts of biomedical sensors and actuators, to monitor, predict and improve people's physical and mental conditions. By providing a wide variety of services, smart Health and Medicine applications bear the potential of bringing medical, social and economic benefits to different stakeholders. The goals are from enhancing comfort, supporting autonomy enhancement up to emergency assistance, including detection, prevention, and prediction.

This special session aims to collect the latest original contributions in Smart Health and Medicine in Cyber Life, and offer new ideas, experiences and discussions by experts in this field. We encourage the submission of papers with new theory, analysis, methods, and applications.

We encourage submission of papers with new theory, analysis, methods and applications. This is a special session of the 4th IEEE Cyber Science and Technology Congress (<http://cyber-science.org/2019/>). Please submit your paper via the submission site (<https://edas.info/index.php?c=25734>) and select the special session of "Smart Health and Medicine in Cyber Life" marked with "CyberSHM".

Accepted papers will be published by IEEE (IEEE-DL and EI indexed). Selected papers, after further extensions and revisions, will be recommended to journal special issues. More details at the conference website: <http://cyber-science.org/2019/>

Topics include but are not limited to:

- Global Smart Health and Medicine
- Smart Health and Medicine Management
- Smart Health and Medicine in Hospital
- Children Smart Health and Medicine
- Elderly Smart Health and Medicine
- Health and Medicine Big Data
- Smart Health and Medicine Environment
- Smart Healthcare
- Potable and Wearable device in Smart Health and Medicine
- Privacy in Smart Health and Medicine
- Emergency Support in Smart Health and Medicine
- Monitoring of Patients with Chronic Non-communicable Diseases
- Integrated Care Environments

Mobile Medical Assistants in Smart Health and Medicine
Data Mining in Smart Health and Medicine
Internet of Things and Smart Health

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Important Dates:

Paper Submission Due: April 20, 2019

Acceptance Notification Due: May 25, 2019

Final Manuscript Due: June 20, 2019