Special Session on the Impact of Internet of Things on the Future Elderly Care (IoTonFEC)

In the recent decade, with the continuing rise of the aging population rate in any countries including China and Japan, an unprecedented super-aging society has arrived. There has been an increasing demand on developing elderly care services utilizing novel technologies, with the aim of providing independent living. Internet of things (IoT), as an advanced paradigm to connect physical and virtual things for enhanced services, has been introduced that can provide significant improvements in future elderly care. Several researches have been devoted to address elderly care requirements utilizing IoT-based systems.

The open issues include Eye-tracking for Elderly Care, Elderly Motion Capture & Analysis, Sensors and Smart Objects for Elderly Care, Wireless Sensor Networks for Elderly Care, IoT Architectures, Systems, IoT Big data, Mobile Services, IoT Information Management, Elderly Behavior Classification and Prediction, Data Collection and Analysis for IoT, Security and Privacy for IoT, Smart Homes and Smart Cities, Medical Applications for IoT, Artificial Intelligence for Elderly Care, Elderly Health-care.

This special session aims to provide a forum for researchers to present thoughts and results for the most recent advances in different aspects of IoT and future elderly care supporting. We encourage the submission of papers with new theory, analysis, methods, and applications.

This is a special session of the 4th IEEE International Conference on 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 "Impact of Internet of Things on the Future Elderly Care" marked with "IoTonFEC".

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:

Eye-tracking for Elderly Care
Elderly Motion Capture & Analysis
Sensors and Smart Objects for Elderly Care
Wireless Sensor Networks for Elderly Care
IoT Architectures, Systems
IoT Big data, Mobile Services
IoT Information Management
Elderly Behavior Classification and Prediction
Data Collection and Analysis for IoT
Security and Privacy for IoT
Smart Homes and Smart Cities
Medical Applications for IoT
Artificial Intelligence for Elderly Care
Elderly Health-care

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Important Dates
Paper Submission Due: April 20, 2019
Acceptance Notification Due: May 25, 2019
Final Manuscript Due: Jun 20, 2019