

Toward digital enabled connected health and well-being

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Abstract

Population ageing has become a global phenomenon and traditional health systems are under pressure from rising costs, growing consumer expectations in caring for their elderly. With the rapid advance of digital technology, it is increasingly possible to drive early interventions to better manage health outcomes and risks and to provide an effective solution for people with lower healthcare cost. In this talk, Prof. Zheng will highlight recent research work in digital health. The applications to well-being and self-management of chronic conditions will be presented. The presentation will conclude with the discussion of challenges and opportunities in connected health.

Speaker Biography

Prof. Huiru Zheng is a Professor of Computer Science with School of Computing. Her research interests include machine learning, integrative data analysis, complex network analysis, and assistive technology and their application in healthcare informatics and bioinformatics. She has a successful track record of winning research funding as a Principal Investigator and has been a grant holder of research projects funded by EPSRC, TSB, DEL, NHS, Invest NI and European Commission including SMART Self Management, NOCTURNAL, CLARCH COPD Self Management, Self Management Platform for Connected Health, CardioWorkBench, SenseCare, MetaPlat, STOP and MENHIRE. She is co-leader of WG4 in the COST ACTION – OpenMultiMed. The products of her research have been reflected in her over 330 peer reviewed journal and conference publications. Prof. Zheng is a Senior Member of IEEE. She serves on the editorial board of several international journals and serves as co-chairs and program committees of a number of international conferences.

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