E-Health special thematic session at the 14th AAATE conference, Sheffield, 2017.

Details about the talks @Diamond
Thu 14th Sept 9.00 - 10.30

R Session Chairs: *Tony Prescott, University of Sheffield and Takenobu Inoue*

E&A Session Chair: *Evert-Jan Hoogerwerf, INLIFE Consortium*

M Session Chair: *Klaus Miesenberger, Johannes Kelper Universiat, Linz*

Robotics 1

9.00 - 9.18– *Hirohisa Hirukawa, National Institute of Advanced Industrial Science and Technology*
Overview of Robotic Devices for Nursing Care Project: METI/AMED are conducting a project on the development and deployment of robotic devices for nursing care to enhance the autonomy of elderly persons and assist care givers.

9.18 - 9.36 – *Osamu Matsumoto, National Institute of Advanced Industrial Science and Technology (AIST)*
Development of Robotic Rollators and Walking Trolleys in Japan: In Japan, several types of robotic rollators and walking trolleys have been developed with financial assistance from the Japanese government.

9.36 - 9.54 – *Isamu Kajitani, National Institute of Advanced Industrial Science and Technology*
An Introduction to the Development of Transfer Assistive Robots in Japan: This paper briefly introduces the development of transfer assistive robots in terms of development support.

9.54 - 10.12 – *Sandra Bedaf, Zuyd University of Applied Sciences*
Robots for Elderly Care: Robots for older adults have a lot of potential. In order to create an overview of the developments in this area a systematic review of robots for older adults living independently was conducted.

10.12 - 10.30 – *Christos Dimopoulos, Utrecht University of Applied Sciences.*
Development of a Robotic System for Enhancing Children's Motivation in Constraint Induced Movement Therapy (CIMT): From May 2016 – November 2016 the use of the ZORA robot was investigated in 15 long-term care facilities for older people.

E-health

9.00 - 9.09 – *Evangelos Kaimakamis, CERTH-INAB*
Development/Testing of a Monitoring System Assisting MCI Patients: European Project INLIFE

9.09 - 9.18 – *Sini Annika Vasalampi, EU Master Care & Technology/City of Nokia*
Adoption and Use of a Mobile System at Home Care

9.18 - 9.36 – *Reza Saatchi, Sheffield Hallam University*
Adaptive Sampling Technique Using Regression Modelling and Fuzzy Inference System for Network Traffic: Electronic-health relies on extensive computer networks to facilitate access and to communicate various types of information in the form of data packets.

9.36- 9.54 – *Pascal Garel, European Hospital and Healthcare Federation*
ICT services for Life Improvement for the Elderly: Integrated care ICT Platform to support patients, care-givers and health/social professionals in the care of dementia and Parkinson's disease with training, empowerment, sensor-based data analysis and cooperation services

9.54 - 10.12 – *Marten Fortuin, Utrecht University of Applied Sciences*
Augmented Reality in eHealth: Focus on Visual (Dis)Comfort: This presentation discusses various (new) factors for visual comfort which may be encountered in eHealth applications such as Augmented Reality and can be used to advise users or for future research purposes.

10.12 - 10.21 – *Kyle Mulholland, Satakunta University of Applied Science*
Embracing Technological Development and Salutogenic Health Promotion in the Provision of Assistive

10.21 - 10.30 – **Discussion**

Navigation

9.00 - 9.18 – *Tetsuya Watanabe, Niigata University*
Six-and-a-Half-Year Pactice of Tactile Map Creation Service: To disseminate the use of tactile maps, a tactile map creation service has been offered according to the demands of blind people and their helpers.

9.18 - 9.36 – *Helmut Heck, Forschungsinstitut Technologie und Behinderung (FTB)*
Towards Standardised Information Exchange Regarding the Accessibility of Public Transport in Germany: In the innovation project DELFIplus a concept for standardised information on accesssibility of public transport facilities in Germany.

9.36- 9.54 – *Christian Bühler, TU Dortmund University, FTB der ESV*
Definition of "Total Accessibility" for Public Transport: The paper describes the approach and results of a German study as an example of strategies in German legislation relating to accessibility in public transport. based on user-friendly interfaces.

9.54 - 10.12 – *Kazuho Kamasaka, University of Tsukuba*
Image Based Location Estimation for Walking out of Visual Impaired Person: A new and intelligent walking navigation system could be helpful for visually impaired people so that they do not need helpers or guide dogs on going out.

10.12 - 10.21 – *Takao Yanagihara, Kindai University*
Effectiveness of Mobility Support for Visually Impaired Person Using Video Call

10.21 - 10.30 – **Discussion**