



INTERNATIONAL

INVITED SESSION SUMMARY

Title of Session:

Technologies To Improve Senior Care (Ageing and health)

Name, Title and Affiliation of Chair:

Chair

Dr Giovanni Luca Masala, Manchester Metropolitan University, UK

Co-Chair

Dr Massimo Esposito, ICAR-CNR Napoli, Italy

Details of Session (including aim and scope):

People worldwide are living longer. In the past, seniors have been taken care of somewhat routinely from doctor, who diagnoses and maintains medication needs, and family members or a group of nurses, who look after the daily needs. Common health conditions associated with ageing are emerging. Furthermore, the number of seniors is increasing with respect to the young people, so the elderly care is becoming complex. Elderly may require assistance due to a variety of issues, which include:

- Lack of mobility
- Memory loss (due to aging or diseases like Alzheimer's or Parkinson's)
- Loss in vision or hearing
- Loneliness and social isolation

In this special session, the technologies to improve senior care will be considered.

Topics of interest include, but are not limited to:

- Internet Of (Medical) Things
- GPS Services
- Smart Cameras for security/safety
- Phone/Tablet Apps
- Virtual Assistants
- Robot Assistants
- Social/companions Robots
- Multimodal human-machine interfaces
- Human behavioural modelling
- Activity monitoring systems/activity recognition
- Multimodal perception

- Emergency Response Services
- Medication Assistance
- Patches/Implants
- Smart home for elderly
- Smart city for elderly

Main Contributing Researchers / Research Centres

Technical programme committee:

Prof. Angelo Cangelosi, University of Manchester, UK

Dr. Alessandro Di Nuovo, Sheffield Hallam University, UK

Dr. Marco Palomino, University of Plymouth, UK

Dr. Matteo Cavaliere, Manchester Metropolitan University, UK

Dr. Stuart Cunningham, Manchester Metropolitan University, UK

Dr. Aniello Minutolo, ICAR-CNR Napoli, Italy

Dr. Marco Pota, ICAR-CNR Napoli, Italy

Extended Deadlines

- Submission of Papers: **15th February 2020**
- Notification of Acceptance: **25th February 2020**
- Upload Final Publication Files: **10th March 2020**

For any other information please have a look on the details of the main conference

Email & Contact Details:

Dr. Giovanni Luca Christian Masala
PhD Applied Physics, Laurea Eng, PgCert and HEA fellow
G.masala@mmu.ac.uk
Senior Lecturer in Computer Science at Manchester Metropolitan University
Department of Computing and Mathematics
Room E151 John Dalton Building, Manchester Campus, Manchester, UK
<https://www2.mmu.ac.uk/scmdt/staff/profile/index.php?id=4113>