Preface to the Proceedings of the 12th International Workshop on Intelligent Environments Supporting Healthcare and Well-Being (WISHWell'2023)

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Introduction

The workshop will bring together researchers from both industry and academia from the various disciplines to contribute to this new edition of the International Workshop on Intelligent Environments Supporting Healthcare and Well-Being. Healthcare and well-being whether taking place at medical organizations, at home, at work or in other environments, are complex and challenging to manage from an IT and IS perspective. These systems should cope with an assortment of patient conditions under various circumstances with a number of resource constraints. Pervasive healthcare technologies seek to respond to a variety of these pressures by integrating them within existing healthcare services. It is essential that intelligent pervasive healthcare solutions are developed and correctly integrated to assist health care professionals in delivering high levels of patient care. It is equally important that these pervasive solutions are used to empower patients and relatives for self-care and management of their health to provide seamless access for health care services. There is also a steady influx of trendy devices and 'Christmas must have' gadgets which are linked to various dimensions of health and well-being and these also present new opportunities as well as challenges in terms of accuracy and reliability. Another source of challenges arising from the quantity and diversity of devices available to individuals is the interoperability with other devices and systems as well as the integration with wider scale Smart Cities system [1].

The technical program will feature an invited Keynote:

> *"Intelligent Environments for Longevity and Active Aging"* by Dr Filippo Palumbo from the National Research Council, Information Science and Technologies Institute, ISTI-CNR, Italy.

This will be supplemented with discussions and panel-type activities and the presentation of the following selected papers:

"*"One for All, All for One" A first step towards universal access with a social robot*", by Julie Pivin-Bachler, Randy Gomez, and Egon L. Van Den Broek

"*Towards Continuous Monitoring of Well-Being*", by Anneloes L. Meijer, Lukas P.A. Arts, Randy Gomez, and Egon L. Van Den Broek

"*Social Aware Navigation based on Proxemic Interaction for an Autonomous Wheelchair*", by Giovane Fernandes, Anderson Leite, José Díaz-Amado and Yudith Cardinale

"*ADL Monitoring of Elderly People in Smart Homes based on Task Models*", by José Manuel Negrete Ramírez, Célia Martinie, Philippe Palanque and Yudith Cardinale

We deeply appreciate the Intelligent Environment 2023 conference organizers for their help on hosting this event. As a final note, we wish to express our sincere thanks to the Program Committee for their thorough reviews and support along this year and the previous editions.

References

[1] Augusto JC (Ed.). Handbook of Smart Cities. Reference Works Series. Springer Verlag. January 2020. DOI:10.1007/978-3-030-15145-4