EDITORIAL

Editorial

Antonio Coronato[2] · Juan Carlos Augusto[1]

This issue of the *Journal of Reliable Intelligent Environments* includes four papers.

Bridging the gap between technology and older adults: insights from a collaborative workshop on R&D methodologies for ambient assisted living solutions, by Soraia Teles, Rita Tavares de Sousa, Diogo Abrantes, Diotima Bertel, Ana Ferreira, Constanca Paul, presents the results from a collaborative workshop with multiple stakeholders involved in projects related to ambient assisted living. Data collected during the workshop focused on current practices, methods, challenges and solutions regarding user integration in AAL projects. A moderate degree of user integration emerged as the most common practice and users are mostly included in the research and development process providing requirements and testing the solutions, holding minor participation in other innovation phases. Challenges for user integration were associated with users' health/autonomy status and attitudes towards technology, as well as with obstacles in matching solutions with users' requirements.

Security challenges in fog-computing environment: a systematic appraisal of current developments, by Jimoh Yakubu, Shafii Muhammad Abdulhamid, Haruna Atabo Christopher, Haruna Chiroma and Mohammed Abdullahi, provides a systematic literature review on the security challenges in fog-computing system. It reviews several architectures that are crucial to support the security of fog environments and then created a taxonomy based on the different adopted techniques. These include machine learning, cryptographic techniques, and computational intelligence.

Green economy and smart city, by Vassiliki Delitheou and Vassiliki Meleti, provide an interesting report on the problem of digitalization of cities in Greek. Their focus is on the effort of combining smart cities and green technologies. They also emphasize how this effort is affected by non-technological factors such as the role of local governments and urban planning.

Nature inspired optimization algorithm for prediction of minimum free energy RNA secondary structure, by Ashish Tripathi, K. K. Mishra, Shailesh Tiwari and P. C. Vashist, presents a meta-heuristic optimization algorithm to obtain the optimal secondary structure of RNA with required functionality. The performance of such an algorithm is compared against different state-of-the-art techniques, having collected relatively better results.

We hope these articles stimulate the community to further improvements in this area and perhaps to collaborations between the participating teams so that complementary solutions can be used in a combined way to tackle more complex problems.

Publisher's Note Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

✉ Antonio Coronato
antonio.coronato@icar.cnr.it

Juan Carlos Augusto
j.augusto@mdx.ac.uk

[1] Research Group on Development of Intelligent Environments, Department of Computer Science, Middlesex University, London, UK

[2] Institute for High Performance Computing and Networking, National Research Council, Naples, Italy