

## Special Issue

# Artificial Intelligence for Ambient Assistive Living and Healthcare Solutions

### Message from the Guest Editors

Ambient assisted living (AAL) has a prominent role in improving scalability in healthcare services, making them reachable to older people, and keeping the user safe in their home environments. AAL can be applied as both a technical approach, related to the instruments used and how they are implemented in a system, and as an intelligent approach to data processing that models and incorporate a system architecture capable of gathering context high-level data from sensor data. Hence, artificial intelligence (AI) plays a significant role in AAL implementation. This Special Issue addresses different solution strategies using Artificial Intelligence for Ambient Assisted Living (AAL) and Healthcare Solutions. Topics of interest

- Artificial intelligence
- Neural networks
- Machine learning
- Ambient assisted living (AAL)
- Biomedical signals
- AI in health
- Medical image processing
- Ambient intelligence applications
- Cognitive assistants
- Smart systems
- Connected devices-home automation
- Connected healthcare
- m-Health
- User personalization and adaptation
- Ubiquitous computing
- Mobility and behavioral analysis
- Physiological signal monitoring and analysis

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### Guest Editors

Dr. Paolo Barsocchi

Dr. Filippo Palumbo

Dr. Victor Hugo C. De Albuquerque

Dr. Akash Kumar Bhoi

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**Deadline for manuscript submissions**



## Sensors

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*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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