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## Mobile Robotics/Sensors and Environmental Monitoring Applications for eHealth

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Deadline for manuscript submissions:

**closed (25 December 2023)**

### Message from the Guest Editor

The use of intelligent robots and sensors in healthcare is growing exponentially in recent years. Mobile robots are used in hospitals for delivery and handling, for disinfection using ultraviolet light, for mobilizing patients or as assistants to doctors using telepresence. More generally, they can be used for access control with temperature and identity sensors (for disease detection), for food and medicine delivery using drones and UAVs, or as companions (pets) for disabled people. Not to mention their use in prostheses, exoskeletons for rehabilitation, detection of gait pathologies or eye movements.

This special issue will bring together advances in health applications based on mobile robots, robotic arms, smart sensors and IoT devices that improve the way of life of people or medical staff. Submissions are welcome but not limited to the following topics related to eHealth:

- Mobile robots for telepresence or delivery
- Cobots for medical handling
- Biomechanical analysis of human gait
- Fall detection and prevention
- Smart rooms for disabled people
- Exoskeletons for rehabilitation
- Eye movement detection
- Sensor fusion
- HMI
- Machine learning



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Special Issue



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## Message from the Editor-in-Chief

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