



IFIP IoT 2021 Special Session

IoT for Smart Health

Scope

The convergence of the modern healthcare environment and IoT has created pervasive smart health infrastructure with applications ranging from wearable sensors to remote patient monitoring in real-time to elderly care facilities for long-term supervision. Such transformation has changed the way to create a more personalized and connected healthy lifestyle. The promise of e-health initiatives (e.g., telehealth, mobile health, etc.) leverages relevant technologies (e.g., Artificial Intelligence, Machine Learning, Data Analytics, Deep Learning, etc.) edge-level devices to harness sensing, prediction, analysis, and intervention. Such promise also poses challenges in the security and privacy of empowered patients and healthcare providers. This special session invites practitioners and researchers' submissions on how IoT has stimulated smart health, including theories and methodologies on how to architect, design, and deploy effective IoT systems and the relevant challenges for safe, secure, privacy-preserving coordinated health care systems.

Topics of interest include, but are not limited to:

- Edge-coordinated health applications,
- System architecture of IoT for smart health,
- Theories and models of AI for smart health,
- Decision support systems and Tools for smart health,
- Smart health analytics and informatics,
- Supply chain security for safe and reliable smart health,
- Operational and financial implications of smart health

Session Organizers

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Topics / Keywords

Mobile Health, Telehealth, Health Analytics, Wearable Technology, Assist Living, e-health security

All papers must be written in English. Full papers should be at most 18 pages long in total, including references and appendices. The paper should be intelligible without having to read the appendices. Poster presentations should be at most 4 pages. Submissions should not be anonymized. Authors must follow the Springer formatting instructions. For paper submissions, go to <https://easychair.org/conferences/?conf=ifipiot2021>

Deadlines:

Abstract Due - 15 May 2021

Full Paper Due - 15 June 2021

Notification of Acceptance - 31 August 2021

Deadline for final version - 15 December 2021