

# Call for Papers

## AI and IoT for eHealth (AIeH'26) Workshop

*The 22<sup>nd</sup> International Conference on Wireless Communications and Mobile Computing*

Website: <http://iwcmc.org/2026/>

Submission Link: <https://edas.info/newPaper.php?c=34281>

Technically Sponsored by IEEE

June 1-6, 2026, Shanghai City, China

### Chairs

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### Scope

The 2nd AIeH'25 Workshop invites contributions on the integration of Artificial Intelligence (AI), Machine Learning (ML), Deep Learning (DL), and the Internet of Things (IoT) for e-health systems. Researchers are encouraged to explore how these advanced computational technologies can be integrated to improve healthcare systems, focusing on security, real-time responses, intelligent data processing, and networked system management. Participants will investigate algorithmic models, performance evaluation, and theoretical or experimental studies addressing key challenges and opportunities in the evolving e-health landscape.

Through its various research topics related to eHealth, the workshop welcomes papers that explore how AI, ML/DL methods, and IoT devices can transform computational e-health systems. Submissions may address data collection, distributed sensing, real-time processing, and communication protocols for critical health data. Contributions on health data analytics, including big data methodologies, multimodal data fusion, and predictive modeling, are strongly encouraged. Security and privacy of IoT data, including challenges related to cryptography, blockchain, and federated learning, constitute key research topics. Contributions exploring interoperability, standards, and scalable system architectures are also welcomed.

In addition, innovative works related (but not limited) to AI and IoT-based computational systems for decision-support, modeling, simulation, visualization, and monitoring are encouraged. The workshop will also cover research at the intersection of cutting-edge technologies, such as wBANs, 6G networks, Large Language Models (LLMs), RAG, Generative AI, Digital Twins (DT), XR (AR/VR/MR), Quantum Computing, and Human-Computer Interaction (HCI). These technologies offer unprecedented opportunities for high-performance, secure, and intelligent e-health systems capable of handling complex data and real-time decision-making.

Submit your original contributions related to current research findings and insights on the future of AI and IoT for computational e-health systems.



Topics include, but are not limited to:

- AI, ML, and DL for predictive analytics, pattern recognition, and decision-support in IoT-enabled e-health systems
- IoT/wBANs for distributed sensing, real-time data processing, and networked systems research
- Health data analytics, big data methodologies, and multimodal data fusion approaches
- Blockchain architectures and protocols for secure and interoperable healthcare systems
- Federated learning and privacy-preserving computational methods
- 6G-enabled networks and edge computing for high-performance e-health research
- LLMs, RAG, and Generative AI for computational knowledge management and reasoning
- Digital Twins for modeling, simulation, and system-level studies
- XR (AR/VR/MR) for visualization, human-computer interaction, and system evaluation
- Quantum computing for computational methods, modeling, and complex data analysis
- e-Health service composition, orchestration, and adaptive system design
- Algorithmic, theoretical, and experimental studies, including performance analysis and benchmarking

## **Important Dates**

Same dates as listed in the conference website.

## **TPC Members**

- Hela Makina, SUPCOM, Tunisia
- Namory FOFANA, SUPCOM, Tunisia
- Karidja Dominique Christelle ADJE, SUPCOM, Tunisia
- Nasress ABDELWAHED, SUPCOM, Tunisia
- Tasnim ABBAR, SUPCOM, Tunisia
- Katr Nada AYARI, SUPCOM, Tunisia
- Ala HSAIRI, SUPCOM, Tunisia

**Note:** Within this workshop, there will be one Best Paper Award.