

## Erasmus Blended Intensive Programme (BIP)

### AI and IoT for Measurement Systems in Health and Energy Sectors 2026 – Second Edition

We are pleased to invite students and lecturers to participate in the second edition of the Erasmus Blended Intensive Programme (BIP) “**AI and IoT for Measurement Systems in Health and Energy Sectors 2026.**”

The programme aims to provide a multidisciplinary perspective on how Artificial Intelligence (AI) and the Internet of Things (IoT) can be integrated to design, implement, and optimize advanced measurement and monitoring systems. Particular emphasis will be placed on applications in the health and energy sectors, where AI- and IoT-enabled solutions are transforming data acquisition, decision-making, and system intelligence.

Participants will engage in a combination of **online synchronous learning** and **in-person intensive sessions**, benefiting from international collaboration, hands-on activities, and exposure to emerging research trends.

### Programme Structure

- **Online synchronous sessions**  
24 September, 1 October, 8 October, 15 October 2026  
Every Thursday, from **14:30 to 17:30 (CET)**
- **In-person sessions**  
**26–30 October 2026**  
Start: Monday, 26 October at **14:30**  
End: Friday, 30 October at **12:30**

This blended format ensures that participants acquire the necessary theoretical background during the online phase and then apply their knowledge during the intensive in-person week through practical demonstrations, prototype development, and collaborative discussions.

### Main Topics Covered

1. AI and IoT Foundations for Smart Measurement Systems
2. Health Applications of AI-Enhanced IoT Systems
3. Energy Applications of Intelligent Monitoring and Optimization Systems
4. Tools and Practical Prototyping for AI + IoT Measurement Solutions
5. Ethics, Regulation, and Future Perspectives in AI and IoT