

call for papers DOCTORAL SYMPOSIUM

AI, DATA SCIENCE, AND HIGH-PERFORMANCE COMPUTING (HPC)

Focusing on the cross-cutting application of advanced analytics across key sectors such as health, environment, agriculture, education, and the public sector.

- AI for Health, Environment, and Smart Cities
- Open Data
- MLOps and Reproducibility
- Data-Driven Government and Policy
- Ethics in AI
- Model Security and Robustness

DIGITAL HEALTH, BIOENGINEERING, AND CLINICAL INTEROPERABILITY

From telemedicine and wearables to the validation of clinical algorithms and medical devices.

- Digital Clinical Trials
- Interoperability and Standards
- Patient Safety
- Biosignals and Medical Imaging
- Biomaterials and Prototyping
- Precision Medicine

INTEGRATED SUSTAINABILITY: CLIMATE, WATER, RISK, AND SMART ENERGY

Environmental modeling, IoT sensors, smart grids, and energy efficiency.

- Remote Sensing and Watershed Management
- Climate Adaptation and Resilient Cities
- Smart Grids
- Distributed Generation and Renewable Energy Integration

PRODUCTION AND TERRITORY 4.0: AGRITECH, MATERIALS, AND ADVANCED MANUFACTURING

Connecting applied research with local value chains to drive productivity and traceability.

- Precision Agriculture
- Bioprocesses and Applied Genetics
- New Materials and Testing
- Digital Twins
- Process Control
- Predictive Maintenance

DIGITAL SOCIETY: GOVERNMENT, EDUCATION, IDENTITY, AND TRUST

Technology-enabled public services and education, built on a foundation of cybersecurity and privacy.

- Digital Identity and Trust
- Data Protection and Compliance
- Cybersecurity in AI and Critical Infrastructure
- EdTech and Learning Assessment
- Inclusion and Accessibility

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