

The Tenth International Conference on Information, Intelligence, Systems and Applications (IISA 2019) http://iisa2019.upatras.gr

Coordinator



Monitoring and control of energy resources

Decision support systems in energy planning

· Impact of urban computing in modern cities

• E-health, mobile health and smart health

Advanced devices and robotics for smart

Ambient intelligence in assisted living

Middleware for urban computing

Intelligent transportation systems

• Public displays for modern cities

Case studies and best practices

Infrastructure for smart health

Health information systems

• E-government and m-government

E-commerce and m-commerce

E-legal and m-legal services

Empirical evaluations

Applications in tourism

E-entertainment and m-entertainment

Personalized systems and services

Enabling technologies, frameworks and

Simulation and evaluation via simulation

Applications in culture and heritage

Applications in disabilities and to people at

Applications in natural resource

Healthcare management

Case studies

Track VII: Applications

standards

Case studies

management

need

Smart grid

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Fault detection

Big city data

Track VI: Healthcare

health

Culture for smart cities

and scheduling

TECHNOLOGICAL EDUCATIONAL INSTITUTE OF WESTERN GREECE PATRAS, GREECE





PATRAS, GREECE

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KEYNOTE SPEAKERS

Grigoris Antoniou, University of Huddersfield, UK Jean-Baptiste Mouret, INRIA Nancy, France Eleni Stroulia, University of Alberta, Canada

THE VENUE

IISA 2019 is locally organized by the **University of Patras** and the **University of the Peloponnese*** in Patras at the conference center of the University of the Peloponnese. Patras is located at the North-West of the Peloponnese and is the regional capital of Western Greece. It constitutes a bustling city, proud to host renowned scientific, academic and research communities in the fields of Science, Technology and Intelligent Systems.

IMPORTANT DATES

Invited session, workshop and tutorial proposals: March 3, 2019 Paper submission: April 19, 2019 Author notification: May 20, 2019 Camera-ready paper submission: May 31, 2019

INFORMATION CONTACT

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IISA-2019 is the tenth conference in the IISA series, technically co-sponsored by IEEE (approval pending), the University of Piraeus, the University of Patras and the Technological Educational Institute of the Western Greece. Conference content will be submitted for inclusion into IEEE Xplore. The conference is intended to become an international forum for researchers and professionals in all areas of Information, Intelligence, Systems and Applications. We invite submissions of papers presenting high-quality original research and developments for the conference tracks listed below. The conference will last for three days and will feature tutorials technical name presentations workshops, and



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Information is widely available and accessible, but frequently leads to information overload and overexposure, while the effort for coding, storing, hiding, securing, transmitting and retrieving it may be excessive. Intelligence is required to manage information and extract knowledge from it, inspired by biological and other paradigms. Multimedia Systems and Networks, with an increasing level of Intelligence, are being developed that incorporate these advances. As a result, new Technologies, Protocols and Applications are emerging.

The International Conference on Information, Intelligence, Systems and Applications (IISA) series offers a forum for the constructive interaction and prolific exchange of ideas among scientists and practitioners from different research fields – such as computers, mathematics, physics, biology, medicine, chemistry, experimental psychology, social sciences, linguistics, and engineering – having the goal of developing methodologies and tools for the solution of complex problems in artificial intelligence, biology, neuroscience, security, monitoring, surveillance, healthcare, sustainability in energy sources, governance, education, commerce, automation, robotics, optimization, image, speech and natural languages, and their integration.

SCOPE: TOPICS OF INTEREST INCLUDE, BUT ARE NOT LIMITED TO:

Track I: Information Processing and Intelligence

- Advances in databases
- Information systems
- Information and data management
- Data mining and knowledge extraction
- Recommender systems
- Digital rights management
- Processing of Social and Emotional Interactions
- Biological and artificial neural networks Biological and artificial immune systems
- biological and artificial
- Cognitive science Neuroscience
- Computational biology
- DNA computing
- Evolutionary computing and genetic algorithms
- Bavesian networks
- Expert systems & intelligent agents
- Swarm intelligence
- Fuzzy logic systems
- Kernel methods support vector machines
- Ensemble classifiers
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- Emerging machine learning paradigms
 Decision making techniques
- Decision making technique
- Knowledge-based systems
- Ambient-ubiquitous intelligence
- Robotics and automation
- Affective computing

Track II: Multimedia Systems and Networks

- Advances in multimedia processing
- Signal mining
- Signal visualization
- Human-machine interaction
- Multimodal systems
- Multimedia systems
- Autonomous Computing
- Distributed computing
- Quantum computing

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- Mobile computing
- Green computing

- Trusted computing
- Proactive computing
- Cloud computing
- Ubiquitous computing
- Networking
- Sensing, sensory systems and sensor networks
- Design and implementation
- Real time systems

Track III: Educational Informatics

- · Adaptive and personalized learning
- Student modeling
- Intelligent tutoring systems
- E-learning and mobile learning
- Social media and learning
- Educational games
- Computer-supported collaborative learning
- Big data in education and learning analytics
- Smart learning environments
- Virtual and augmented reality in education
- Risk management in education
 - Learning management systems
 - Content management systems
- Learning technologies for students with special needs

Track IV: Cyber Security

- Watermarking, cryptography/analysis, steganography/analysis
- Privacy and authentication
- Malicious software analysis

Track V: Smart Energy and Smart Cities

energy optimization

· Information, computer and network security

Assessment of the energy status in smart cities

Intelligent sensors and data analytics for

Infrastructure security

Forensics

Biometrics