

## **Artificial Intelligence & Applications**

- Emotional Computing
- Artificial neural networks, Fuzzy Logic
- Support Vector Machine and kernel methods
- Genetic Algorithms and Evolutionary Computing
- Graphical models and applications
- Swarm Intelligence, Rough Sets Theory
- Selection and Dimension Reduction
- Brain Machine Interface
- Neuroscience and Cognitive Sciences, Pattern Recognition and Classification
- Content-Based Image Retrieval
- Digital Image Computing
- Real world applications, Explainable AI
- Teaching practices

## **AI Applications & Services in IOT**

- Smart Cities, Smart Home, and IoT-based Building Automation
- Smart Agriculture, Retails and Water Management
- Smart factories and Industry 4.0
- e-Health, Assisted Living and e-Wellness
- Smart Grid, Energy Management
- Collaborative Applications and Systems
- Big data and IoT Data Analytics
- Semantic Technologies, Collective Intelligence
- Cognitive and Reasoning about Things and Smart Objects
- Mobile Cloud Computing (MCC) and IoT
- IoT Privacy and Security Concerns
- Wireless Sensor Network for IoT Security
- Cryptography, Key Management, Authentication and Authorization for IoT
- IoT Forensic Science
- Communication Security in IoT