

Preface

The **2nd International Conference of Applied Computing & Smart Cities (ICACS24)** was held in the City of Erbil, Iraq on 20 & 21 of May 2024 at Knowledge University Campus.

Cities stand to benefit the most from connecting people, process, data, and things. A Smart City exploits sustainable information and communication technologies to improve quality of life, health, education, and also the performance of urban services for citizens.

The Internet of Everything (IoE) has witnessed rapid progress in recent years. This technology provides Internet connectivity between objects and cyber space. In order to promote the rapid deployment of this technology, hardware manufacturing, software industry and networking capabilities are acting as game changers.

Smart Cities bring together the IoE technology and city infrastructure for better quality of life in areas such as energy usage, healthcare, environment, water, transportation, etc. IoE large scale deployment enables data sensing, data acquisition and heterogeneous networking. The connectivity of billions of IoE devices opens many security vulnerabilities and threats that must be detected and mitigated. There is a significant interest to enable Artificial Intelligence (AI) techniques – that incorporate meta-heuristics, machine learning and optimization algorithms for intelligent IoE communications and networking management.

Topics included, were:

- AI and Machine Learning for secure and sustainable smart cities
- Cloud/edge/fog computing for smart cities
- IoT and Cyber Physical Systems for smart cities
- Secure and Trustworthy Computing for smart cities
- Energy harvesting and sustainability in smart cities
- Employment of IoT and mobile network technologies in education
- AI enabled IoT education systems
- Machine learning for IoT Systems
- IoT for health care systems
- Sustainable power system based on IoT and AI
- Protocols and algorithms for wireless sensor networks
- Internet of Flying Things
- Unmanned Aerial Vehicles (UAVs) in IoT
- Social media and urban awareness
- Blockchain for IoT networks
- 5G and beyond 5G networks
- Wearable devices for communications and computing