Session/Topic	#	Title	Time (CET)
Internet of Things	1	Random Forest Regression of Charge Balancing Data: A State of Health Estimation Method for Electric Vehicle Batteries	August 31 | 10:00 - 10:20
	2	COLAW: Cooperative Location Proof Architecture for VANETs based on Witnessing	August 31 | 10:20 - 10:40
	3	Web of Things System Description for Representation of Mashups	August 31 | 10:40 - 11:00
	4	Automatic Identification of the Wireless Sensor Network Topology in a IoT and Discovery of User Routines	August 31 | 11:00 - 11:20
	5	Deployment of Application Microservices in Multi-Domain Federated Fog Environments	August 31 | 11:20 - 11:40
	6	Embedded vision system for monitoring arc welding with thermal imaging and deep learning	August 31 | 11:40 - 12:00
	7	Closing the loop: Automated Error Detection and Correction using a modular Edge-/Cloud-Architecture and Machine Learning	August 31 | 12:00 - 12:20
	8	Optimizing Transmission of IoT Nodes in Dynamic Environments	August 31 | 12:20 - 12:40
	9	Cloud-Based Energy Efficient Scheme for Sigfox Monarch as Asset Tracking Service	August 31 | 12:40 - 13:00
Artificial Intelligence & Big Data	1	Camera based Barcode Localization and Decoding in Real-World Applications	August 31 | 14:00 - 14:20
	2	Network Traffic Modeling For IoT-device Re-identification	August 31 | 14:20 - 14:40
	3	Resampling and Data Augmentation For Equines' Behaviour Classification Based on Wearable Sensor Accelerometer Data Using a Convolutional Neural Network	August 31 | 14:40 - 15:00
	4	A Survey on Multimodal Data Stream Mining for e-Learner's Emotion Recognition	August 31 | 15:00 - 15:20
	5	Dataset Reduction Framework For Intelligent Fault Detection In IoT-based CPS Using Machine Learning Techniques	August 31 | 15:20 - 15:40
	6	AlphaNet: An Attention Guided Deep Network for Automatic Image Matting	August 31 | 15:40 - 16:00
	7	CHAP'NN: Efficient Inference of CNNs via Channel Pruning	August 31 | 16:00 - 16:20
	8	Multi-sensor data augmentation for robust sensing	August 31 | 16:20 - 16:40
Internet of Things	1	An IoT framework for Edge Processing of Ocean Sounds	September 1 | 10:00 - 10:20
	2	Deep Reinforcement Learning for the management of Software-Defined Networks in Smart Farming	September 1 | 10:20 - 10:40
	3	L&M Farm: A Smart Farm based on LoRa & MQTT	September 1 | 10:40 - 11:00
	4	Feasibility of Networking Technology for Smart Farm: LoRa vs APRS	September 1 | 11:00 - 11:20
	5	Large-Scale Information and Communications Technology (ICT) Management in Smart Cities based on Edge to Cloud Orchestration	September 1 | 11:20 - 11:40
	6	Dynamic iFogSim: A Framework for Full-StackSimulation of Dynamic Resource Management inIoT Systems	September 1 | 11:40 - 12:00
	7	Human Activity Recognition: From Sensors to Applications	September 1 | 12:00 - 12:20
	8	Towards IoT-enabled Multimodal Mental Stress Monitoring	September 1 | 12:20 - 12:40
	9	Towards Safer Roads: A Deep Learning-Based Multimodal Fatigue Monitoring System	September 1 | 12:40 - 13:00
DTLs & Blockchain	1	Blockchain, what time is it? Trustless Datetime Synchronization for IoT	September 1 | 14:00 - 14:20
	2	A True Decentralized Implementation Based on IoT and Blockchain: a Vehicle Accident Use Case	September 1 | 14:20 - 14:40
	3	Decentralized patient-centric data management for sharing IoT data streams	September 1 | 14:40 - 15:00
	4	Pay-per-use Sensor Data Exchange between IoT Devices by Blockchain and Smart Contract based Data and Encryption Key Management	September 1 | 15:00 - 15:20
	5	enerDAG - Towards a DLT-based Local Energy Trading Platform	September 1 | 15:20 - 15:40
	6	Decision Framework and Detailed Analysis on Privacy Preserving Smart Contract Frameworks for Enterprise Blockchain Applications	September 1 | 15:40 - 16:00
	7	Distributed Ledger and Smart Contract Based Approach for IoT Sensor Applications	September 1 | 16:00 - 16:20
	8	The Hashgraph Protocol: Efficient Asynchronous BFT for High-Throughput Distributed Ledgers	September 1 | 16:20 - 16:40
Special Topics	1	Trustworthiness in Sensor Networks - A Reputation Based Method for Weather Stations	September 2 | 10:00 - 10:20
	2	HAC-T and Fast Search for Similarity in Security	September 2 | 10:20 - 10:40
	3	A 47F²/bit Charge-Sharing based Sequence-dependent PUF with a Permutative Challenge	September 2 | 10:40 - 11:00
	4	Discovering connected objects in criminal investigations	September 2 | 11:00 - 11:20
	5	AITIA: Embedded AI Techniques for Embedded Industrial Applications	September 2 | 11:20 - 11:40
	6	Measurement-based Online Verification of Timing Properties in Distributed Systems	September 2 | 11:40 - 12:00
	7	A Compiler Comparison in the RISC-V Ecosystem	September 2 | 12:00 - 12:20
	8	Towards IoT-Driven Predictive Business Process Analytics	September 2 | 12:20 - 12:40
	9	Cold Start in Serverless Computing: Current Trends and Mitigation Strategies	September 2 | 12:40 - 13:00
	10	Social Internet of Things: Interoperability and Autonomous Computing Challenges	September 2 | 13:00 - 13:20