IEEE 14TH ICOSST 2020

2020 INTERNATIONAL CONFERENCE ON OPEN SOURCE SYSTEMS AND TECHNOLOGIES

16th -17th December 2020

CALL FOR PAPERS

INTRODUCTION

Open-Source Software (OSS) is an established cross-disciplinary paradigm for distributed enterprise computing and e-Government. It is helping organizations both public and private to keep control on the cost of development and deployment. OSS has not only changed the way software applications are architected, deployed, and consumed but also they are engineered to provide large distributed cross-platforms and frameworks.

IEEE Computer & Communication Societies, Lahore Section, (R10) in Technical Co-sponsorship & in Joint Collaboration with Al-Khawarizmi Institute of Computer Science, UET, Lahore, Pakistan are organizing a two-day event to invite researchers and practitioners from across the world to share their ideas and experiences related to the state-of-the-art and the future of Open Source systems and technologies, software applications, databases, networks, information security, OSS and social innovation, embedded computing, cloud computing, virtualization, AI for knowledge discovery, automation, AI Applications for COVID-19 Detection, Diagnosis, Treatment, Prevention, Evolution, Control and Prediction etc. ICOSST will create a scientific venue where participants can share ideas, strategies, and policies for tackling the development, research and adaptation challenges related to open-source tools and open-source development environments for their customized requirements majorly in following

SOFTWARE & SYSTEM

- ✓ Blockchain technology
- ✓ Remote sensing
- ✓ Software engineering
- ✓ Distributive Databases
- ✓ Geographical Information Systems
- ✓ Data warehousing
- ✓ Data Mining and Statistical Analysis
- ✓ Open source Software for Business Intelligence and Strategy
- ✓ Open source Data
- ✓ Open source Education
- ✓ Web Tools and Technologies
- ✓ Human-Computer Interaction Virtual Reality
- ✓ Games and Edutainment

CLOUD COMPUTING & BIG DATA

- ✓ Big data models, theories, algorithms, approaches, solutions
- ✓ Big data retrieval, processing, analysis, and analytics
- ✓ Big data maintenance, management, and operations
- ✓ Big data for social networks
- ✓ Mobile processing of big data
- ✓ Cloud Networking
- ✓ Cloud management, orchestration and automation
- ✓ Cloud resource management and optimization
- ✓ Mobile networking and computing for cloud and fog/edge computing
- ✓ Mobile networking and computing for cloud

ARTIFICIAL INTELLIGENCE

- ✓ Artificial Neural Networks
- ✓ Deep Artificial Neural Networks, Convolutional Neural Networks
- ✓ Explainable AI
- ✓ Machine learning, Deep learning
- ✓ Computer Vision
- ✓ Speech Processing
- ✓ Image Processing,
- ✓ Document Image
- ✓ Processing, Optical Character Recognition
- ✓ Natural Language Processing
- ✓ Data Mining
- ✓ Big Data Analytics
- ✓ Robotics and Automation, Multi-agent Systems

NETWORK SECURITY & IOT

- ✓ Green Communications Systems and Networks
- ✓ Communication & Information Systems Security
- ✓ Cloud & Fog/Edge Computing, Networking and Storage
- ✓ Ad-hoc and Sensor Networks
- ✓ Next Generation Infrastructure and communication protocols for IoT
- ✓ Cloud Computing and Big Data for IoT
- ✓ Artificial Intelligence algorithms for resource constrained IoT devices
- ✓ Blockchain in IoT Standards and Application Scenarios

COVID-19 PANDEMIC

- ✓ Data Analysis & visualization
- ✓ Social and environmental Impact
- ✓ Medical imaging and biological data analysis
- ✓ Identification and tracking
- ✓ Hospital management systems Health informatics

Conference Proceedings will have an ISBN and are expected to be published in IEEE xplore

Sponsors organizers

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