



THE 11TH IEEE INTERNATIONAL CONFERENCE ON KNOWLEDGE AND SYSTEMS ENGINEERING (KSE 2019)

October 24-26, 2019 | Da Nang, Vietnam

Important Dates

- **Submission: May 15, 2019**
- **Notification: July 30, 2019**
- **Camera-ready: August 20, 2019**
- **Registration: August 30, 2019**
- **Conference: October 24-26, 2019**

Organizers

Assoc.Prof. Dr. PW Chandana Prasad
Charles Sturt University, Australia
CWithana@studygroup.com

Dr. Abeer Alsadoon
Charles Sturt University, Australia
AAlsadoon@studygroup.com

Dr. Nguyen Tran Quoc Vinh
*The University of Da Nang – University of
Science and Education, Vietnam*
ntquocvinh@ued.udn.vn

Dr. Sabih Rehman
Charles Sturt University, Australia
sarehman@csu.edu.au

Call for Papers

SPECIAL SESSION: KNOWLEDGE ENGINEERING AND IoT

Introduction

Knowledge engineering is a technique of identifying patterns within different sources of data and establishing a knowledge base that be used to help identify certain patterns and help with the decision making processes. There has been a marked increase in the use of deployed sensors and associated connected devices that is triggering a revolution of Internet of Things (IoT). These devices are generating huge volumes of data also classified as big data. Applying knowledge engineering techniques to the data being generated from these devices can help in the creation of smart architectures that can assist the users with informed decision making processes. Some of the key challenges that exist in such a stringent network architecture can include but are not limited to modeling for controlled environments and time/location dependency of the data. This workshop aims to focus on data modeling and knowledge engineering for IoT by discussing such issues and challenges related to data modelling in IoT and knowledge extraction.

Topics of Interest

Relevant topics include, but are not limited to, the following

- Machine learning for IoT
- Cloud architecture design for IoT
- Data and information fusion for IoT
- IoT for home automation and security
- IoT for healthcare
- Biometrics for IoT
- Environment monitoring via IoT
- IoT and energy/power management
- Smart/Precision agriculture
- Intelligent Manufacturing using IoT
- IoT and Intelligent Transport Systems
- Artificial Intelligence and big data analytics in IoT
- Computational Intelligence for Healthcare

Paper Submission

Authors are invited to submit full papers through the KSE20019 page (<https://edas.info/N25876>). Submitted articles must not have been previously published and is not pending review elsewhere. The proceedings will be submitted to IEEE, DBLP, and other online digital libraries. All papers should be in PDF format and compliant with the IEEE standard and should not exceed 8 pages. Selected papers will be invited to be extended in high-ranked ISI/ Scopus journals after the workshop.