Title of Session:
Knowledge Management and Smart Systems – IS31

Name, Title and Affiliation of Chair:
Dr. Cesar Sanin
Knowledge Engineering Research Team - KERT
Faculty of Engineering and Built Environment
University of Newcastle,
University Drive, Callaghan, NSW 2308, Australia
Ph. +61 (2) 49217465
Cesar.Sanin@newcastle.edu.au

Details of Session (including aim and scope):

Knowledge management and Smart Systems are continually evolving towards more advanced and sophisticated forms of developing human intelligence and decision-making models. They require more and more advanced knowledge representation, management, and discovery tools and techniques to be implemented within their core layers. This poses new challenges on the issue of developing innovative methodologies in the context of several research topics ranging from knowledge representation to knowledge integration, from knowledge management to knowledge processing, from knowledge discovery to knowledge delivery, and from knowledge evolution to knowledge distribution.

The objective of this invited session is to explore recent research progress in the smart systems methodologies and algorithms applied in real-world engineering problems. Papers from all Engineering fields are welcome, provided that they have significant level of intelligent systems content. This special session, therefore, aims at bringing together researchers, scientists, engineers, professionals, and academics working in various fields in order to consolidate the existing and propose new techniques. Papers describing original work concerning the algorithm, tool design, implementation, and real-world application are welcome.

Extended versions of selected papers will be considered for publication in the International Journal of Cybernetics and Systems.

Relevant topics include but not limited to:


Proposed Dates:
Call for Papers: December 15th, 2019
Abstract or Intention to participate to be received by: January 15th, 2020
Abstract Accepted by: February 7th, 2020
Paper to be received by: May 8th, 2020
Camera ready to be received by: May 29th, 2020
When submitting remember to choose Session IS31

Invited Sessions Authors Registration Deadline
Early / Authors Registration Deadline: 29 May 2020

Main Contributing Researchers / Research Centres (tentative, if known at this stage):

KERT – Knowledge Engineering Research Team, Australia
Knowledge Engineering Team, Aligarh Muslim University, India
Information Systems, Chengdu University of Information Technology, China
Grupo de Inteligencia Computacional, University of the Basque Country, Spain
Knowledge Management Team, Gdansk University of Technology, Poland
Mechanical Engineering, Sharda University, India
Visión Artificial y Fotónica, ITM, Colombia
Information technology, University of Oviedo

Website URL of Call for Papers (if any):

Email and Contact Details:
Cesar.sanin@newcastle.edu.au