



INVITED SESSION SUMMARY

Title of Session: On Knowledge Based Digital Ecosystems & Technologies for Smart and Intelligent Decision Support Systems

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Details of Session (including aim and scope):

Ecosystems and their connectivity are largely inherent and unknown in nature. They are associated with large amount of heterogeneous and variety of unstructured data from multiple domains. Real challenge is managing huge volumes and varieties of data sources and extracting new knowledge from these ecosystems. A robust and holistic methodology, especially comprising of data modelling, data integration, data mining and visualization may be needed to interpret new knowledge and add values to ecosystem projects and services. Big data is a new paradigm and in recent years, these tools and technologies are taking new direction and shape in researching the digital ecosystems and uncover vast amount of new knowledge and information adding values to the integrated project management and smart decision making. This SS is aimed at developing Big Data driven digital ecosystems and technologies and their knowledge management. This special session can bring together the domain experts, ecosystem service providers, energy and green information systems' researchers on a unified policy for making wise and smart decisions in businesses and organizations.

For a complete outline to the research area, topics include but not limited to:

1. Knowledge Based Energy Ecosystems
2. Knowledge Based Green Digital Ecosystems
3. Health Informatics
4. Next Generation Networks
5. Cyber Security and Risks
6. Data Analytics: Moderate, Big and Massive
7. Inclusive Decision-making Systems and Technologies for multidisciplinary domains: Business and Service Industry
8. Logistics and Supply Chain Ecosystems
9. Cloud Computing for Decision Support Systems
10. Software Reuse
11. Digital Spatial Ecosystems, Data Science and Analytics
12. Digital Geophysical Ecosystems - Upstream Business Data Management
13. Semantic Technologies & Cyber Physical Ecosystems
14. Integrated Frameworks – Data Modelling and Mapping
15. Knowledge Based Managerial Decisions
16. Mapping and Modelling Multiple Domains in Smart and Intelligent Applications
17. Data Mining of Semantically Interpreted Information in Unstructured Digital Ecosystems
18. Sustainable Digital Ecosystems and their Visual Analytics
19. Case studies and Domain Application Development
20. Decision Making Smart Digital Ecosystems
21. Logistics and Supply Chain Management Ecosystems
22. Big Data Supportive Digital Human, Environment and Economic Ecosystems
23. Digital Ecosystems & Technologies and their Knowledge Management

Important dates

Submission of papers: 10 January 2018
Notification of acceptance: 10 February 2018
Final paper publication files to be received: TBA

The session aims at addressing such issues from practical and theoretical perspectives.

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

Big Data has power of connecting various digital ecosystems through integrated workflows, data science and visual analytics. These ecosystems and technologies adopt a smart and robust unified framework bringing together the coexistent systems for better business and organizational alignment. ADAPT Centre for Digital Content Technology, School of Computing, Dublin City University and School of Information Systems, Curtin Business School, Perth, WA, Australia are pioneering with the digital content technologies and digital ecosystems and technologies in different application domains.

Website URL of Call for Papers (if any):

Email & Contact Details:

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