Call for Papers on ICCMIT 2017

Special Session on

"Big Data Driven Design Science Information System (DSIS) Development for Managing Sustainable Digital Ecosystems"

Organized by

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Objectives and Motivation: S*ustainability* is a dynamic, complex and composite relationship among geographically distributed human and environment ecosystems. Human ecosystems endure as long as symbiotic conditions exist within a sustainability scenario. The human activities occur in various domains in particular within a persisting environment ecosystem. These ecosystems may have strong interactions among their components, elements and processes, but with dynamic implicit boundaries. A useful ecosystem is a habitation, in which discontinuities overlap because of the juxtaposition of multiple systems in various scales and dimensions (for example, nested hierarchies in a Big Data scale). Multi-scalable and multidimensional ecosystems have motivated us with significance based on a commonality of basic structural units and domains. Our objective is to develop a robust and holistic information system (IS) using Design Science Research approach, for managing different ecosystems within a sustainability framework/context. The stock or an inventory of the existing ecosystemsøassets, multidimensional attributes and resources (in a sustainability scenario) is intended to be analyzed to forecast, and provide quality data and information to the managers and policy makers of the ecosystem providers.

Analysis of multidimensional data and their connectivity from multiple domains and sources respect ontological cogency. This integration across domains can significantly risk minimise the ambiguity of information needed in the integrated interpretation of knowledge among varied ecosystems. The proposed technologies provide immense future scopes in multiple domains and ecosystem services. The common task of working within these diverse ecosystems is a need to analyse big data, produced and collected in a diverse range of methods to understand particular phenomena and test hypotheses. There is a scope of generating more interfaces (both back-office and front-end) in the integrated framework for suitably accessing, extracting and analysing data to create useful knowledge and other data services. Logistics and supply chain management and disaster management are potential areas of future research needed for enhancing the practicality of sustainability-informed policies and strategies.This special session is aimed at to discuss new innovations and developments for managing the digital ecosystems and equipping for data and business analytics.

Scope and Interests: Topics of interest include, but are not limited to:

1. Big data and its role in ecosystemsøanalysis
2. Big-data analytics and business intelligence
3. Data modelling methodologies
4. Data integration and warehousing ó big data focus

5. Data mining, visualization and interpretation ó big-data focused
6. Knowledge mapping and adding values to projects and services
7. Enterprise architecture
8. Decision making approaches
9. Case studies of any of these topics

Paper Submission Important Dates

All instructions and templates for submission can be found in the ICCMIT 2017 web site: http://www.iccmit.net/. Please, contact the special session organizers, if you are planning to submit any paper.

Paper Abstract Submission: February 15, 2017

Notification of Acceptance: February 28, 2017

Final Paper Submission and AuthorsøCamera Ready: March 7, 2017

Conference Dates: April 3-5, 2017