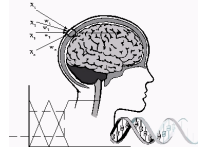# International

Innovation in Knowledge Based and Intelligent Engineering Systems

INVITED SESSION SUMMARY

Title of Session:
Sustainability and Intelligence in Engineering Ecosystems

Name, Title and Affiliation of Chair:
Kari T. Koskinen, professor, Tampere University of Technology
Ossi Nykänen, Adj.prof., Tampere University of Technology
Minna Lanz, Dr, Tampere University of Technology

Details of Session (including aim and scope):

Engineering Intelligence (EI) is to the ability for an engineering organization to orchestrate processes related to collaborative engineering, product lifetime information, competencies, and intelligence of products and services with semantically rich, context-aware and intelligent ICT-solutions. Engineering intelligence ecosystem refers to a network of (potential) stakeholders contributing to a particular product-service and utilizing a common protocol in collaborative digital environment.

The objective of this invited session is to introduce and review contemporary research related to Engineering Intelligence, and highlight new research challenges and opportunities.

Within the scope of the hosting SDM conference, the thematic areas of the invited session include:

- Knowledge: Intelligent control of knowledge flows, semantic modeling, and digital and virtual technologies.
- Action: Engineering collaboration, customer centricity and networking, agile operations.
- Intelligence: Intelligent product and service technologies, and Intelligent decision making.
- Know-how: Operation models, multi-operations, continuous development, operation culture, and holistic view to engineering.

Reporting results due multi-domain and multi-disciplinary research is encouraged.

Important Dates and Deadlines Submission of papers:

Submission of papers: 17 January 2014
Notification of Acceptance: 7 February 2014
Receipt of publication files: 1 March 2014

Every paper must have at least one author who has registered for the conference with payment by the Early Registration Deadline for the paper to appear in the proceedings. Any paper that does not have at least one author who has registered and paid by the Early / Authors Registration Deadline will be withdrawn from the Springer proceedings.

This Special Session will be held as part of the SDM 2014 conference. Authors should submit papers through the conference submission website. Papers must correspond to the requirements detailed in the "Instructions to Authors". Selected papers will be recommended to scholarly journals for publication.

Submissions undergo invited papers review process, similar to the host conference.

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

Website URL of Call for Papers (if any):

Email & Contact Details:
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