

*Sixth International Conference on Genetic and Evolutionary Computing
(ICGEC-2012)*

August 25~ August 28, 2012, Kitakyushu, Japan

Call for Paper

ICGEC-2012-IS16

Invited Session on *Integrated Systems Engineering*

Session Organizer: Prof. Jiann-Gwo Doong

We are organizing an invited session on Integrated Systems Engineering for ICGEC-2012, which will be held in *Kitakyushu, Japan* from August 25 – August 28, 2012.

Integrated systems engineering address overall system performance and productivity, responsiveness to customer needs and quality of products or services produced for business and operational processes. Several areas of research have been established, including business as well as manufacturing processes, human factors and ergonomics and operations research. They are all providing involvement in real-world problem solving in and beyond the research.

This session will deal with innovative technologies for supporting systems engineering taskforce in the modern electronic and multimedia operational environment, where many detailed tasks are produced, stored and flowed through among different groups/organizations. It is essential to use intelligent information systems and/or integrated technologies to facilitate/monitor/control automated processing and management procedures of these tasks occurring in various phases of product development/maintenance/revolution cycle. Many application systems have been developed to alleviate the processing and management burdens. Various academic research efforts for developing excellent disciplines deal only with procedural-based and large size based projects. Some systems are developed to deal with projects carried in the mid or small size business environment, filtering and sorting customized procedures, as well as various problem areas of user friendly and intelligent systems behaviors. The session also provides a communicational opportunities in all areas of industrial engineering, manufacturing, ergonomics, systems modeling and design, engineering management, operations, business planning, financial analysis and project management.

The goal of this session is to address and discuss the technical challenges and research results in integrated systems engineering disciplines and real-world successful cases sharing. It brings together researchers working across various fields to share their experience, findings and discuss advanced techniques.

Submissions:

Papers are invited from prospective authors with interest on the related areas. Each paper should follow the IEEE format with title, authors' names, affiliation, email addresses, an abstract with no more than 150 words, and a two-column body with 4 single-spaced pages and font size of 10 pts. All papers must be submitted electronically in PDF format only and be mailed to: Prof. Jiann-Gwo Doong at sdoong@cute.edu.tw

Important Dates:

Deadline for paper submission: May 31, 2012

Notification of acceptance: June 30, 2012

Deadline for camera-ready manuscript submission: July 15, 2012

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