

2nd KES International Symposium
on
Intelligent Decision Technologies
IDT'10

Venue: Inner Harbor, Baltimore, Maryland, USA
28-30 July 2010

Web site : <http://idt-10.kesinternational.org>

Invited Sessions

Please fill and return this form to:

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Title of Session: Design and analysis of Computer experiments

Name of Chair: Dr. Pedro Paulo Balestrassi

Name of Co-Chairs:

Description:

The use of computer modeling is fast increasing in almost every scientific, engineering and business area. If the computer simulation model is valid, experimentation and analysis with the model can lead to accurate real world results and conclusions. Results from computer simulation models are often fit by a mathematical model, which is used to make predictions at untried locations in the design space. Simulation models used in this regard require the determination of an appropriate and efficient experimental design technique. The design and analysis of computer simulation experiments - both stochastic and deterministic - is the broad topic of research in this section.

Related topics:

- Design of Experiments
- Taguchi Methodology
- Response Surface Methodology
- Multi-response Optimization
- Simulation

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