

ICUME 2011

1st International Conference on Uncertainty in Mechanical Engineering

First Announcement and Call for Papers

November 14 – 15, 2011 – Congress Centre Darmstadtium Technische Universität Darmstadt – Darmstadt, Germany



About ICUME 2011

The aim of ICUME is to discuss methods and technologies to describe, evaluate and control uncertainty in mechanical engineering applications. International scholars and specialists will get together to provide a broad forum discussing

description, evaluation, avoidance, elimination of and adaptation to uncertainty in planning, development, production and usage of mechanical structures, systems and machines throughout their complete lifetime. Engineers, mathematicians and any other area of expertise working on uncertainty evaluation are welcome to exchange latest research results and applications of uncertainty control.

ICUME 2011 will be a single session conference and all submitted papers will undergo a full paper review. Accepted papers will be published in the



cited journal Applied Mechanics and Materials.

Important Dates

First Call for Papers: December 1, 2010 Full Paper Submission: April 15, 2011

Full Paper Review and

Notification of Authors: June 14, 2011 Final Paper Submission: July 15, 2011

Conference: November 14 – 15, 2011

Full Paper Submission Only

Participants are kindly invited to submit full papers subject to full peer review process by April 15, 2011. Please submit your paper in English according to layout examples online at www.icume.de.

All selected papers will be published in the citable journal *Applied Mechanics and Materials*.

Registration

Please register online at <u>www.icume.de</u>. Register by July 15, 2011 and save € 80,-

Conference Fee

Early registration by July 15, 2011 \qquad \in 420,-Regular \qquad \in 500,-Student \qquad \in 300,-

Fee includes CD ROM proceedings, receptions, lunch, banquet and coffee breaks.

Scientific Program

During its life cycle, each engineering product goes through different phases within planning and product development as well as within production and usage. Uncertainty occurs in all phases and thus decisively influences processing properties and thereby product properties.

Uncertainty in Product Development

Robust Product Design, Assessment and Mathematical Optimisation, Information Models, Computational Visualisation.

Uncertainty in Production

Mathematical Process Optimisation, Flexible and Adaptive Manufacturing Systems, Process Reliability, Manufacturing of Smart Structures.

Uncertainty in Usage

Monitoring, Vibration Control and Reduction, Stabilisation Control, Shape and Position Control, Fault Diagnosis, Passive and Mechatronic/Active Systems, Passive/Semi Active/Active Damping.

Contact

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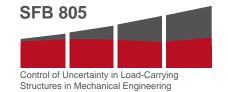
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