



35th Design Automation Conference (DAC)

([Call for Papers pdf](#))

Description

The *35th Design Automation Conference (DAC)* is an integral part of the *2007 ASME International Design Engineering Technical Conferences and Computers and Information in Engineering Conferences (2007 IDETC/CIE)* and will take place at the San Diego Convention Center, in San Diego, California, from August 30-September 2, 2009. This Conference is sponsored by the Technical Committee on Design Automation, which is an integral part of the ASME Design Engineering Division. This event is the theme of the every-year IDETC and premier international meeting in the fields of design automation. The ASME Design Automation Committee invites papers in all areas of design automation related to mechanical and engineered systems, including design representation, design optimization, design evaluation, and design integration. Papers in other areas of design automation are also welcome, and papers with examples from industrial practice are also strongly encouraged. For more detailed information, please visit the DAC website when available.

Objectives

Authors and presenters are invited to participate in this event to expand international cooperation, understanding and promotion of efforts and disciplines in the area of 35th Design Automation Conference (DAC). Dissemination of knowledge by presenting research results, new developments, and novel concepts in the 35th Design Automation Conference (DAC) will serve as the foundation upon which the conference program of this area will be developed.

Likely topics include but are not limited to:

- [Geometric Modeling and Algorithms in Design Automation](#)
- [Parametric and Feature Based Modeling in Design Automation](#)
- [Visualization and Virtual Reality in Design](#)
- [Application-Tailored Optimization Methods](#)
- [Artificial Intelligence in Design](#)
- [Decision-Based Design](#)
- [Design Optimization Algorithms](#)
- [Design Optimization of Systems](#)
- [Multidisciplinary Design Optimization](#)
- [Product and System Optimization](#)
- [Structural/Topology Optimization](#)
- [Innovative Industrial Applications, Developments, and Perspectives](#)

- [Metamodel-Based Design Optimization](#)
- [Multi-Scale Computational Design of Product and Materials](#)
- [Simulation-Based Design Under Uncertainty](#)
- [Concurrent/Collaborative Design](#)
- [Design and Development of Reconfigurable Systems](#)
- [Direct Digital Manufacturing](#)
- [Managing Design and Analysis Processes](#)
- [Product Family and Product Platform Design Optimization](#)
- [Designing for Human Variability](#)
- [DAC Industry Panel](#)
- [Panel: Validating Predictive Models in Engineering Design](#)

All papers will be reviewed and, if accepted, will be published in the conference proceedings on CD-ROM. For further information, contact the organizers of the symposium:

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