



May 12th – May 14th, 2010, Ames, Iowa, USA

Organizers

Conference Chairs

Prof. James H. Oliver,
Iowa State University, USA
Prof. Judy M. Vance
Iowa State University, USA

Program Chair

Dr. Abhishek Seth
Caterpillar Inc., USA

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Dr. Daniela Romano
University of Sheffield, UK
Prof. Ralph Stelzer
TU Dresden, Germany

Deadlines

Draft Paper Submission

December 15th, 2009

Review Completed

February 15th, 2010

Final Paper Submission

March 15th, 2010

WINVR (The **W**orld Conference on **I**Nnovative **V**irtual **R**eality) **2010** will bring together international leaders from academia and industry to discuss current research and practice in the use of virtual reality to solve industrial problems. WinVR is partnering with the **VIRMAN** (Virtual Manufacturing) Workshop, and the **ETC** (Emerging Technologies Conference) to provide a venue for discussion and sharing that crosses disciplinary boundaries. This conference builds on the previous success of WinVR09, VIRMAN'08 and ETC09.

The conference seeks original high quality papers in all areas of virtual, mixed and augmented reality.

Virtual Reality Applications

Virtual Reality in Education
Computer Graphics Innovations
Immersive Data Visualization
Benchmarking Studies
Collaborative Virtual Environments
Physics-based Modeling
Case Studies from Industry
Mobile Virtual Reality
VR and gaming

Product Design & Manufacturing

Conceptual Design in VR
Immersive Decision Making
Virtual Process Planning
Assembly & Maintenance Methods
Ergonomic Analysis
Virtual Manufacturing
Product & Process Integration
Engineering Knowledge Capture

User Interfaces & Human-Computer Interaction

Multi-touch Interfaces
Multimodal Interaction Techniques
3D Input & Output Devices
3D Interaction Techniques
3D User Interfaces for CAD
Usability Evaluation Studies, Methods & Best Practices
Haptic Rendering Algorithms
Haptic Interface Development
Gesture-based Interaction
Haptic Applications for Virtual Prototypes

<http://asmeconferences.org/WINVR2010>

Questions: Contact James H. Oliver (oliver@iastate.edu) or Judy M. Vance (jmvance@iastate.edu)