Center for e-Design at Iowa State

Interdisciplinary team: 34 researchers from 11 departments across multiple colleges

Aerospace Engineering  Civil, Construction & Environmental Engineering
Agronomy  Materials Science & Engineering
Art and Design  Industrial & Manufacturing Systems Engineering
Psychology  Human Computer Interaction
Marketing  Supply Chain & Information Systems
Mechanical Engineering
Partnering with

- Virtual Reality Applications Center
- Wind Energy Initiative
- Center for Industrial Research and Service

Alignment with University & College Initiatives

- Provost’s Strategic Initiative Focused on Design
  - College of Engineering, College of Design, Extension
  - Interdisciplinary Curriculum and Program Development
- Innovation Space Building for Multidisciplinary Hands-On Projects
Strengths and Focus

- Technology strategies and solutions for optimization of products and systems
- Design education and training
- Early stage design methodologies
- Robotics and sensor integration
- Integration of materials, manufacturing and design
- Design for sustainability
Thrust Areas

- New design paradigms and processes
- Design optimization
- Visualization and virtual prototyping
- Design education
Facilities
Timeline and Plans

September 2011 - Planning grant proposal submitted

January 2012 - Anticipate planning grant award

February 2012 - Planning grant meeting

March 2012 - Submission of full proposal to NSF

YES, this is an ambitious plan and YES we are looking for partners interested in working with us on strategic high impact projects
Center for e-Design website
http://e-design.iems.ucf.edu

Factsheet for Center for e-Design on NSF site:
http://174.143.170.127/iucrc/publicFactSheetServlet?centerId=4

Center site at Iowa State
http://wordpress.engineering.iastate.edu/e-design/

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