

Product Lifecycle Management Industrial Advisory Board Meeting November 12, 2008

John Sullivan

Director

Center for Advanced Manufacturing

Christoph Hoffmann

Co-Director

PLM Center of Excellence

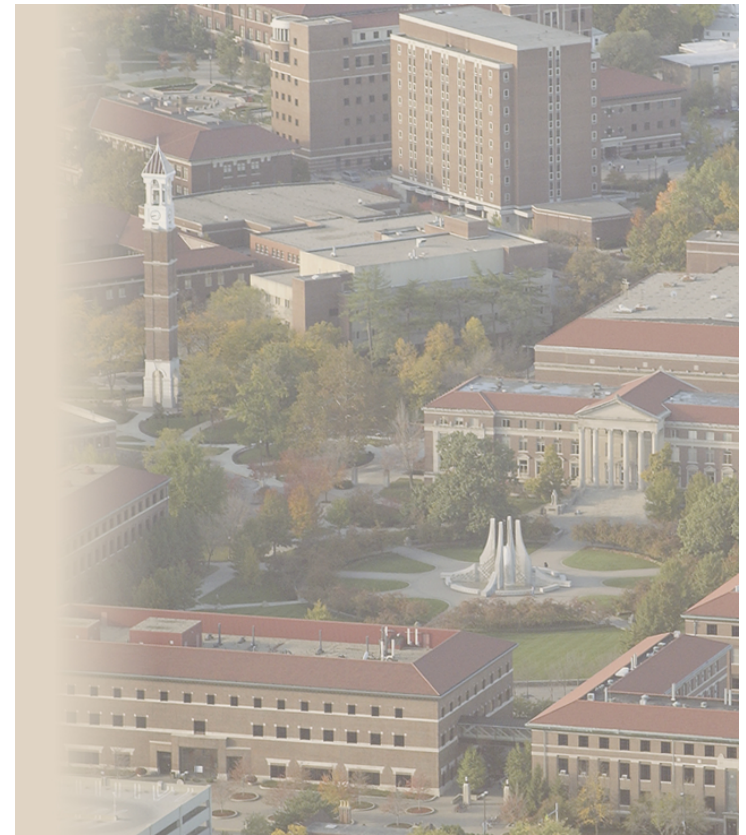
Nathan Hartman

Co-Director

PLM Center of Excellence

Richard Couch

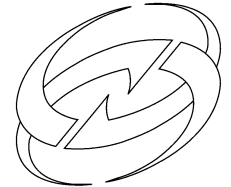
Director of Engagement



Today's Agenda

- 8:00 – 8:30 Continental Breakfast
- 8:30 – 8:45 Opening Remarks and Introductions Prof. John Sullivan
- 8:45 – 9:00 Center Update R. Couch
- 9:00 – 9:45 PLM Metrics – Phase III Prof. Lisa Ncube
- 9:45 – 10:30 Advancing Product Lifecycle Management through Multi-Disciplinary Optimization
Prof. Mark French
- 10:30 – 10:45 Break
- 10:45– 11:30 Creation of Design Spaces and Exploration Through Visualization and
Configuration Prof. Karthik Ramani
- 11:30 – 12:00 Working Knowledge Management Prof. Karthik Ramani
- 12:00 – 12:30 Lunch
- 12:30 – 1:30 Current Trends in PLM Dr. Michael Grieves
- 1:30 – 2:15 Data Interoperability Prof. Nathan Hartman
- 2:15 – 2:30 PLM Certificate Program Update Prof. Nathan Hartman
- 2:30 – 3:00 PLM Competency Evaluation Prof. Nathan Hartman
- 3:00 – 3:15 Break
- 3:15 – 4:00 Executive Level Meeting – Review and Selection of Projects

Product Lifecycle Management Center of Excellence



Mission

- Promote the advancement and implementation of the PLM vision through industry partnerships and public and private grants in **Discovery, Engagement, and Learning**.
- Provide the means where advanced technologies that allow for the implementation of PLM can be researched, applied, taught and disseminated.
 - **Research** the technology
 - **Apply** the research to real-world problem
 - **Teach** those technologies to students
 - **Disseminate** them as valuable business practices

PLM Center of Excellence

- Interdisciplinary Research Effort:
Management, Engineering, Science,
Technology, and Pharmacy
- 750K 3-year Purdue commitment
- Center Membership:
 - Siemens PLM Software
 - Cummins
 - Honda
 - EDS
 - Boeing
 - MSC Software
- Other Support:
 - Procter & Gamble
 - Rolls Royce
 - Eli Lilly
 - General Motors (PACE Program)
- Software:
 - Dassault Systemes
 - IBM
 - Siemens PLM Software
 - PTC
 - Autodesk



PLM Center of Excellence

- Upcoming Events
 - Advanced Manufacturing Summit – March 25th
 - Fort Wayne Regional Manufacturing Summit – November 20th
 - IAAMA Meeting – December 5th
 - ASME International Conference on Manufacturing Science and Engineering – October 4–7, 2009



PACE

Partners for the Advancement of Collaborative Engineering Education

at Purdue



PACE recently named “Purdue Corporate Citizen of the Year”

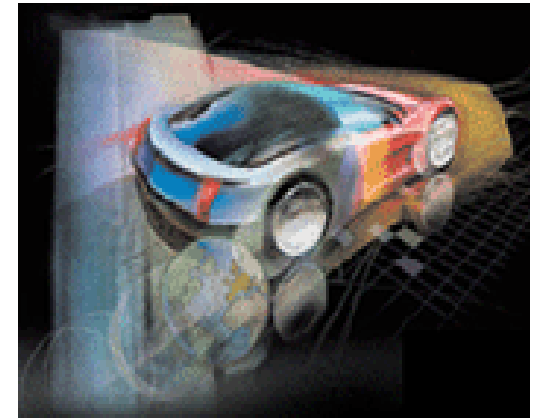
PACE Report due 12/1

TeamCenter Community upgrade planned

PACE Newsletter

Next PACE Forum in South Korea July ‘09

PACE ‘09 Call for Proposals

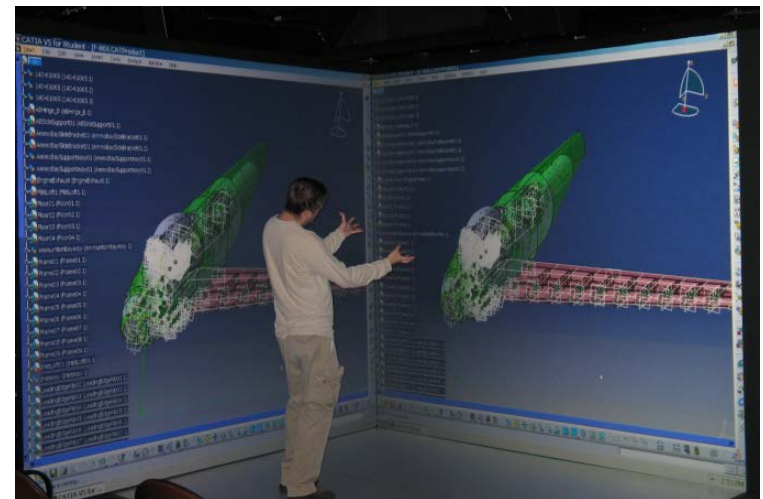


Current Center Projects

- PLM Metrics Phase III – Prof. Lisa NCube
- Advancing Product Lifecycle Management through Multi-Disciplinary Optimization – Prof. Mark French
- Creation of Design Spaces and Exploration Through Visualization and Configuration – Prof. Karthik Ramani
- Examination of Data Exchange between Contemporary CAD Tools – Prof. Nathan Hartman

Other PLM Activities

- Prof. Nathan Hartman
- PLM Hub
- IU/CRC
- Envision Center
- Rolls Royce Project



Other Engagements

- Caterpillar
- John Deere
- Biomet
- Proctor and Gamble
- Lockheed Martin
- Oracle
- Halliburton
- Emerson

PLM Certificate Program

- Initially conceived and developed with Boeing
- Three 10 week classes covering Catia, Enovia, Delmia
- 2 hour lecture via Adobe Connect and 2 hour lab each week
- Offered through the Purdue Continuing Education Program
- <http://www2.tech.purdue.edu/centers/plm/index.html>
- Additional investment by CAM and PLM CoE of \$100K
- Scheduled to kick off in January
- Additional funding from the DOL to support infrastructure
- Licensing hurdle cleared with DSS

SME and NSF PLM Grants

- \$274,000 SME award to Dr. Mileta Tomovic for the development of Curriculum Modules in Product Lifecycle Management
- \$1,500,000 Phase 2 NSF grant to Dr. Tomovic to establish Regional PLM Center of Excellence and coordinate distribution of PLM modules to leading Community Colleges.

Industrial Partners Membership

- Executive Membership - \$50,000
- Associate Membership - \$15,000
- Joint projects developed between the Partner and the PLM Center of Excellence
 - Cost dependent on scope of the project
- Intellectual Property Agreement
 - General PLM Center of Excellence agreement signed by all members
 - Specific IP agreements for company projects when required