Request for Exploratory Research Proposals  
Center for Advanced Manufacturing  
Product Lifecycle Management (PLM) Center of Excellence  
Purdue University

The Center for Advanced Manufacturing (CAM) and Product Lifecycle Management (PLM) Center of Excellence is soliciting research proposals from faculty and staff in all schools with interests related to PLM.

Up to $30,000 in funding is available to Purdue faculty and staff to fund approximately 5 proposals with no indirect costs. Highly successful programs may be eligible to receive more significant subsequent funding. Initial proposals should run 2-3 pages in length. Researchers from all disciplines are encouraged to submit proposals.

Goal:

To identify substantial research projects that will contribute to Purdue University pre-eminence and intellectual leadership in PLM.

PLM Center of Excellence Exploratory Research Program:

With initial seed funding provided by IBM, EDS, and Boeing (PLM Center of Excellence Industrial Advisory Board) the CAM’s PLM Center of Excellence invites faculty and staff to submit exploratory research proposals for the purpose of identifying projects with the following attributes:

- **Relevance:** Addresses high visibility issues related to PLM at a state, national, and/or global level.

- **Potential:** Possesses significant potential – that is excellent scholarship, attractive applications, leads to funding, attracts companies or national labs to a strong Purdue interaction and engagement.

- **Excellence:** Helps establish or further Purdue pre-eminence and visibility in PLM.

- **Novelty:** Promotes interdisciplinary research within and across departments and schools in a way that changes the day-to-day activities of the people who receive funding in a manner that they could not achieve without funding.

- **Leadership:** Promotes Purdue leadership in an area of emerging need.

- **Scale:** Possesses the potential to involve a large number of researchers and a variety of disciplines.
**Leverage:** Possesses significant external support – that is external funding, equipment support, visiting researcher time, etc. Collaboration with Indiana companies is strongly encouraged.

**Areas of Interest**

At the most recent Industrial Advisory Board Meeting, the following areas of interest were identified by the Board Members:

- Data Management
- Knowledge Management and Data Re-Use
- Configuration Management
- Project/Program Management

Please note that this Call for Proposal is not limited to these topics, but it is suggested that your subject contain a Product Lifecycle Management component. Members of the Industrial Advisory Board will be reviewing the proposals on November 10th.

A small number of highly successful projects will become eligible to receive more significant subsequent funding. In addition to funding, the PLM Center of Excellence management staff, Executive Committee, and resources will be used to promote project success, connect projects to University wide efforts, and attract more support for projects from affiliated companies and external agencies.

For a proposal to be considered, all Purdue-affiliated authors of the proposal must be members of the CAM. To become a member of the Center, access the Discovery Park web portal [http://www.purdue.edu/discoverypark/](http://www.purdue.edu/discoverypark/), select the CAM tab, select “Become a Member”, and then access the Membership Application form.

**Deliverables:**

In order to receive PLM Center of Excellence funding, projects must propose to deliver:

1. A proposal to an external public or private funding agency or new, additional support from an outside organization for continuation of project efforts.

2. A one-page progress report by January 15th, 2007. Specific format for this progress report will be published at a later date.

3. A poster for presentation at the Advanced Manufacturing Summit scheduled for May 10th, 2007. Specific format for this poster will be published at a later date.
(4) Upon completion, a final project presentation must be delivered to members of the CAM Executive Committee and/or PLM Center of Excellence Board of Directors. The electronic material used for the final project presentations must be submitted to the CAM’s PLM Center of Excellence and should be of a nature whereby members of the CAM Executive Committee, staff and/or PLM Center of Excellence Board of Directors can use the material to solicit further project support.

**Budget:**

Proposals for funding up to $30,000 (with no indirect costs) are requested. Fringe benefits will be charged. Funds may be used for faculty compensation, post-doc and graduate-student support, equipment, travel, supplies, software, and (limited) secretarial support. The proposal budget should detail all anticipated costs and expenses. A Coeus budget should be prepared by the business office of one of the principal investigators and submitted with the proposal. A transmittal check sheet should be completed with the signatures of the appropriate department/school heads. On the transmittal check sheet, please indicate that the proposal is an internal proposal.

**Timing:**

Proposals may be submitted anytime but no later than November 1, 2006, and should be emailed to:

Richard Couch  
Director of Engagement  
PLM Center of Excellence  
(765) 494-3361  
rlcouch@purdue.edu

Projects will be funded starting immediately to anytime during the Spring Semester 2007. Projects should be completed within 6-12 months of their start date.