

**Indiana State University
Community Engagement Activities
Department Annual Report
2005**

Project Name:

Indiana Packaging Research and Development Center

Description

Outreach to business and industry to provide package testing, packaging and packaging system design, and problem solving services.

How do you see community engagement activities fitting in with your department in the future?

Continuation and possible incubation of a packaging business.

What do you feel has been the impact of the project?

Serves to provided needed services, increases our reputation, provides additional revenue stream, enhances our reputation.

Faculty involved with students in this project outside of class

Dr. Marion Schafer

Who from the community is involved?

Various industries around the state.

Who from ISU is involved?

IMT Faculty and packaging students.

Number of Students	Where it takes/took place	Is this activity ongoing
approx. 10	Myers Technology Center	Yes

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Project Name:
Center for Systems Modeling and Simulation

Description

A research and outreach center focused on process improvement via computerized modeling and simulation.

How do you see community engagement activities fitting in with your department in the future?

Continuation and expansion to other throughout the College.

What do you feel has been the impact of the project?

Process improvement at various companies, enhancement of our research opportunities, building partnerships, and the enhancement of our reputation.

Faculty involved with students in this project outside of class

Dr. Ming Zhou and Dr. M. Affan Badar

Who from the community is involved?

Dr. Bill Schindel, President, ICTT; Union Hospital; and Columbia House - to date, other companies have been in contact.

Who from ISU is involved?

Dr. Ming Zhou, Dr. M. Affan Badar, Dean Foster, and others. Dr. Jianmin Feng, Visiting Scholar from College of Mgmt., Shenzhen University, China. Professor Qun Zhang, retired professor of Biomedical Engineering, Tongji University, Shanghai, China.

Number of Students	Where it takes/took place	Is this activity ongoing
6-10	At companies and in Myers Center	Yes

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Project Name:

Center for Automation and Systems Integration

Description

Research and outreach activities in the area of automation, process control, and systems integration.

How do you see community engagement activities fitting in with your department in the future?

We will continue and hopefully expand to include additional outreach activities with business.

What do you feel has been the impact of the project?

It has significantly increased our visibility. It is also being used to establish cooperative partnerships and recruit students to technical fields. It is also making it possible for ISU/COT to experiment with distance delivery of technical content

Faculty involved with students in this project outside of class

Dr. Gerald Cockrell, Dr. Jeffrey McNabb, Dr. James Heath (Emeritus), and Mr. Joe Ashby

Who from the community is involved?

Mr. J. R. Musselman, Senior Systems Engineer, Wright Industries, Nashville, TN; Mr. George Emanoil, President, Questech; high school teachers, IvyTech faculty, and others.

Who from ISU is involved?

Dr. Gerald Cockrell, Dr. Jeffrey McNabb, Dr. James Heath (Emeritus), Dr. William Clyburn, and Mr. Joe Ashby as well as a significant number of undergraduate and graduate students.

Number of Students	Where it takes/took place	Is this activity ongoing
25+	Myers Technology Center, area schools, companies	Yes

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Project Name:
Virtual Flight School

Description

Using a "fleet" of simulators, the Department of Aerospace Technology has developed the Virtual Flight School and now requires their students to fly the simulators for 50 hours during their flight training. Future activities will include reaching out to the general community for flight training and certification.

How do you see community engagement activities fitting in with your department in the future?

Expansion to include pilots from the surrounding area.

What do you feel has been the impact of the project?

Improvements in instruction; alternative revenue streams while saving students money.

Faculty involved with students in this project outside of class

All AST Faculty

Who from the community is involved?

Terre Haute Airport and SkyKing Airport.

Who from ISU is involved?

AST Faculty.

Number of Students	Where it takes/took place	Is this activity ongoing
300	Myers Technology Center	Yes