

Purdue School of Engineering and Technology

Dean's Industry Advisory Council

February 19, 2009

Agenda

- Meeting Convened
 - Introduction of new members - Alex Forman, Ice Miller
- School Update (Dean Yurtseven)
- School International Strategy
(Tim Diemer, Director International Services)
- Dean's Priorities (Dale Jacobs, Chair)
 - Discussion
- Committee Reports
 - General Administration – Cary Marston
 - Research – Wayne Eckerle
 - Communications – Craig Edlin
 - Diversity, Retention and Recruitment – Vince Newsom
- Indiana Energy Systems Network
(Paul Mitchell, CEO IESN)
- Wrap-Up, Adjourn and Networking

Dean's Industrial Advisory Council Meeting

February 19, 2009

Purdue School of Engineering and
Technology, IUPUI

- Concerns about 2009-10 State appropriations and capital projects
 - 1% cut from the 2008-09 budget (\$48K for school)
 - 3-5% cut in State appropriations for 2009-11 budgets (\$450K for school)
- Concerns for IU Foundation investments
 - Close to 27% loss in 2008
 - Still 8% overall gain during the past 10 years
- Diversity plans
 - \$1M is reserved for new and/or successful continuing programs on all IU campuses.
 - 11 awards were given.
 - Our school received \$90K for 3 years.

- 40th birthday for IUPUI
 - Dinner on Jan 30 to honor Senator Richard Lugar
 - Research Day on April 24
- Five-year review of Chancellor Bantz
- Chancellor's Report to the Community on Feb 24

2009-10 priorities

- Balance budget
- Expand research areas around Signature Centers
- Market new degree programs
 - Motorsports engineering-BS
 - Energy engineering-BS (pending approval)
- Accreditation visits for CIT (ABET), CGT (ABET), and MAT (NAMS)
- Space planning
- Transition to new administration

- Enrollment
 - 6.6% increase in headcount
 - 5.12% increase in student credit hours
- New research grants
 - July to present: \$3.9M
- Strategic planning for international activities
- Honorary degrees
 - Gerald L. Bepko
 - Wayne Eckerle
 - Reception: May 6, 2009

- Space planning
 - Renovation
 - SL Building: create life science and biomedical engineering research complex
 - ET Building: create office complex for Department of Engineering Technology (ET 201-209)
 - ET 202 auditorium
 - New Multidisciplinary Lab and Classroom Building
 - Location: Between ET and SL or south of LD
 - Size: 30,000-60,000 ASF
 - Cost: \$20M (bonds) to \$40M (bonds and stimulus program)
 - Share: Schools of Science and E&T
 - Use: Teaching and research labs, classrooms, faculty and student space

School International Strategy

Tim Diemer

School Director International Services

Dale Jacobs

DIAC Chairman

Discussion

- Get the Energy Engineering degree approved and established
 - Market survey
 - Letters of support
- Plan strategically for our international affiliations and initiatives
 - i.e. Internships at overseas operations
- Exploit federal stimulus opportunities for the University to collaborate with industry

Discussion

Committee Reports

- General Administration
- Research
- Communications
- Diversity, Retention and Recruitment

Committee Report to DIAC

Cary Marston

February 19, 2009

- Membership
 - Cary Marston– Cummins
 - Cindy Munerol – AT&T
 - Joe Bentley - IPL
 - Joe Abella – School Director of Industry Relations

Stated Charter

- Vehicle to achieve continuity in DIAC leadership
- Led by DIAC Chair Elect
- School Infrastructure & Operation
- Indoctrination of new DIAC members
- Membership terms & attendance

- Team Administration
 - Meet Monthly
 - Reviewed Committee Charter
 - Recruiting Additional Committee Members
- Active Projects
 - Wrapping Up Benchmarking for April
 - Preparing Long Term Plan
 - Input = Brainstorming Session, DIAC Survey, Benchmarking
 - Identify Vice Chair Candidates
 - Membership Spectrum & Diversity
- Hopper Projects
 - New Member "Training"
 - Improve Attendance by Members

Committee Report to DIAC

Wayne Eckerle

February 19, 2009

Research Committee

- Membership

- Wayne Eckerle – Cummins
- Jorg Schreiber – White Arrow Consulting
- Bernie Sepaniak – D&M Holdings
- Jim Wheeler – Thomas P. Miller & Assoc.
- Bill Wylam – Electricore
- Joe Kitterman – Oxygen Education
- Hasan Akay – Associate Dean for Research & Academic Programs
- Yaobin Chen – Chair, Electrical & Computer Engineering
- Jie Chen – Chair, Mechanical Engineering
- Andrew Hsu – Director, Renewable Energy Center
- Joe Abella – School Director of Industry Relations

Research Committee Agenda

Continue to advise and guide research activities of the School, especially collaboration with Industry

- Agenda Items for DIAC Research Committee
 - Guide Industry Relations research marketing plans
 - ☑ Help define School competitive advantage and research strategy
 - Work with department Industry Advisory Boards to establish focal points from industry to help with departmental research plans
 - ☑ Critique Departmental Research Plans

Need to define additional agenda items for 2009!

- Reviewed Department Research Plan Template
 - Recommended adding details to structure so that Department Plans can be easily rolled up into School Plan
 - Should drive School research strategy and core areas
- Department Research Plans
 - Two departments reviewed to date
 - Mechanical Engineering & Engineering Technology
 - Major difference between the two
 - Committee members got excellent insight

Research Committee

- ME Department Research Plan
- The ME plan is a good example for other departments – Various improvements identified
 - Emphasize planning for the future more and current status a little less
 - Add a narrative to describe goals and tie-in with trends in the marketplace
 - Add hyperlinks to provide reader more detail, if desired, on Areas of Faculty Expertise
 - Add Research Project Abstracts in appendix
 - Add specifics (goals, timeframes) to Roadmap Chart
 - Comparisons to some benchmarks would be helpful
 - Recommended adding details to structure so that Department Plans can be easily rolled up into School Plan
 - Plan needs to be in synergy with the School research strategy and core areas
 - DIAC can help garner support from the school and external funding sources if provided specifics

Report *to* DIAC

February 19, 2009

Craig A. Edlin
Committee Chair

Committee Membership

- Craig Edlin – Emerson HVM
- Brad Wuerch – RJE Interiors
- Bill Klenk - Allison Transmission
- Mike Cyb - EDS
- Cary Marston - Cummins
- Richard Pfile – IUPUI
- Joe Abella - IUPUI

Conference Call February 10

[Communications Committee is formerly the Industry Resources and Networking Committee]

- Participants; Craig Edlin, Joe Abella, Rich Pfile, Mike Cyb, Bill Klenk
- Discussed agenda for 2/19/09 DIAC meeting – suggested open dialogue on Dean’s Priorities
- Discussed ideas and activities to drive more “inclusion” of DIAC members in decision making process
- Discussed the publicity of “good things” happening at IUPUI – can DIAC assist in spreading the word? Success of recent SWIE event (with ten corporate sponsors) was cited.
- Various ideas/suggestions were discussed concerning the recognition and camaraderie of serving on DIAC. Should DIAC members be recognized in IBJ or other journals (for example)?

Committee Report to DIAC

Vince Newsom

February 19, 2009

- **Committee:**
 - **Vince Newsom-Chairman**
 - **Frank St. John**
 - **Terri Talbert-Hatch**
 - **Clayton Nicholas**
 - **Sam White**
- **Last committee meeting: 1/23/2009**

- **Guide and advise the school on DRR matters by..**
 - Reviewing of goals and metrics
 - Recommending and supporting programs and activities
 - Critiquing schools activities and initiatives
 - Providing an industry perspective
 - Providing a link to the school's Diversity Council

- **Guide and advise the school on DRR matters by..**
 - **Reviewing of goals and metrics**
 - **Compare 2007 vs. 2008 peer information metrics**
 - **Recommending and supporting programs and activities**
 - **Provide support to student programs (Pathways to Engineering, MEAP, Power)**
 - **Critiquing schools activities and initiatives**
 - **Providing an industry perspective**
 - **Make recommendations to I-STEM**
 - **Select next year's committee chairman**
 - **Providing a link to the school's Diversity Council**
 - **Provide recommendations/support for school's diversity grant**

Diversity, Recruitment & Retention Committee Update

- School received a diversity grant (\$90K) for enhancing recruitment and retention of minority students through leadership development
- Promoted by the Dean's Diversity Council
 - Objectives:
 - Increase the yield for matriculation to IUPUI of MEAP, POWER and Pathways to Engineering
 - Improve the semester-to-semester GPA & retention rates of both those students transitioning from our summer & Pathways programs as well as those students progressing to more advanced study.
 - Increase number of diverse and underrepresented students in the academic pipeline with accelerated growth through to graduation.
 - Increase the campus and community profile of our three pre-professional student organizations in addition to increasing improving student numbers and participation.
 - Enhance faculty, mentor, mentee links

Indiana Energy Systems Network

Paul Mitchell

Important Dates

- **April 23, 2009**: DIAC Meeting, 3:30 – 5:30 p.m.
- April 24, 2009: School of Engineering and Technology Honors Convocation & Dinner
- June 4, 2009: DIAC Meeting, 3:30 – 5:30 p.m.
- September 10, 2009 DIAC Meeting, 3:30 – 5:30 p.m.
- October 15, 2009: Joint Board of Advisors Retreat, 11:00 p.m. – 4:00 p.m.
- December 10, 2009: DIAC Meeting, 3:30 – 5:30 p.m.