

Purdue School of Engineering and Technology, IUPUI

Dean's Industry Advisory Council

April 23, 2009

Today's Agenda

- Meeting Convened
 - Introduction of new members - Alex Forman, Ice Miller
- Committee Reports
 - Diversity, Retention and Recruitment – Vince Newsom
 - Research – Wayne Eckerle
 - Communications – Craig Edlin
 - General Administration – Cary Marston
- Results of DIAC Benchmarking (Joe Abella)
 - Discussion
- School Update (Dean Yurtseven)
- Presentation of DIAC Pins & Certificates
- Wrap-Up, Adjourn and Networking

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

Committee Report to DIAC

Vince Newsom

April 23, 2009

- Committee:
 - Vince Newsom-Chairman
 - Frank St. John
 - Terri Talbert-Hatch
 - Clayton Nicholas
 - Sam White
- Last committee meeting: 2/24/2009

- **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
- ➔ • **Make recommendations to I-STEM**
 - Attended I-STEM Engineering and Technology Advisor group meeting on 4/16/2009
 - Create suggestions to improve E&T education in Indiana in elementary to secondary
 - Addressing teacher development, curriculum, metrics, assessments
- **Providing a link to the school's Diversity Council**
- ➔ • **Invited Dr. Ken Durgans (Asst. Chancellor for Diversity, Equity, and Inclusion at IUPUI) to the DRR 2/24/09 meeting**
- **Reviewed our goals with him to confirm alignment**
- **Updated on some plans for IUPUI**
- **Programs to enhance Mentoring and catch students early to improve recruitment and retention.**

Committee Report to DIAC

Wayne Eckerle

April 23, 2009

- 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

- Joe Abella – School Director of Industry Relations
- Hasan Akay – Assoc Dean for Research & Academic Programs
- Yaobin Chen – Chair, Electrical & Computer Engineering
- Jie Chen – Chair, Mechanical Engineering
- Andrew Hsu – Director, Renewable Energy Center

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

Defining additional agenda items for 2009!

- **Met March 30**
 - Attendees: Eckerle, Akay, Chen, Abella, & Dean Yurtseven
- **Discussed School's research priorities**
- **Continued emphasis on research by IUPUI Administration**
 - Increased research income
 - Increased faculty publications and credentials

- Research priorities are in Signature Centers
 - Transportation Active Safety Institute
 - Lugar Center for Renewable Energy
 - Center for Biomechanics and Biomaterials
 - Additionally
 - Advanced Manufacturing is partially addressed
- Next major thrust may be STEM
 - Addresses middle school thru high school science & math education
 - Significant funding in workforce related topics
 - Possible opportunity for Technology faculty

- Federal Stimulus Package may create opportunities to work more closely with industry
 - Discussed specific possibilities with Cummins
- One on one discussions with individual companies should facilitate an open dialog
 - Have to move fast to capture stimulus money
- Cross-discipline collaboration will be a critical success factor

Report *to* DIAC

April 23, 2009

Craig A. Edlin
Committee Chair

Committee Membership

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

Conference Call March 24

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

- Participants; Craig Edlin, Joe Abella, Rich Pfile, Mike Cyb, Bill Klenk, Bruce Wylam
- Discussed ways to increase DIAC attendance
 - Reminder calls from DIAC Chair
 - Ensure that day and time are most convenient
 - Do a straw poll in April
- Discussed possibility of “one on one” relationship between DIAC member and faculty
- Speaker ideas for June meeting
 - Stimulus package
 - Perspective of Indiana Manufacturers Association
 - Review three Dean’s priorities
- Themes for Joint Board of Advisors Meeting
 - Globalization or Alternative Energy
- Finalized pins & wording of DIAC appointment certificates

Committee Report to DIAC

Cary Marston

April 23, 2009

- Membership
 - Cary Marston– Cummins
 - Cindy Munerol – AT&T
 - Joe Bentley – IPL
 - Malcolm Thomas – Rolls Royce
 - 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

- Met March 6, 2009
 - Attendees: Marston, Bentley, Thomas, Abella
- Discussed elements of Long Range Plan
 - Partial preliminary draft is in review
- Discussed additions to DIAC
 - Joe met with Wolf Technical March 24
 - Proceeding with membership process
- Discussed Benchmarking activity
 - Reviewed and provided comments on draft of Final Benchmarking Report

Benchmarking of DIAC

Joe Abella

April 23, 2009

General Administration Committee performed Benchmarking Study in Early Fall of 2008

- Assess how DIAC compares with advisory councils of peer schools
 - University of Cincinnati
 - Wayne State University
 - University of Wisconsin Milwaukee
 - University of Illinois Chicago
- Identify best practices that E&T might incorporate
- Establish contacts at Peer Schools

All General Administration Committee members participated in at least one phone call interview!

Cindy Munerol
Dale Jacobs

Karl Kuehner
Cary Marston

Benchmarking Process

- Dean Yursteven identified Peer Schools and sent introductory e-mail
- Joe Abella followed up with phone call and explained purpose and approach
- Committee identified questions which were intended to structure the dialog
- Joe did a practice interview with Glenn Bosch at Kelley School of Business
- Interview typically resulted in 30 to 45 minute conversation

Summary of Results

| | IUPUI | U Cincinnati | UIC | Wayne State | UW-M |
|--|---|----------------|---|---|---|
| Do you have an advisory board or something like it? | Yes, called Deans Industrial Advisory Council | Yes | Yes | Yes, called Board of Visitors | Yes, called Industrial Liasion Council |
| Meeting Frequency | Five times a year | Once a year | Two times a year | Three times a year | Six times a year |
| Company Level of Members; generally | generally Middle Management | Senior Mgt, VP | Senior Execs, VP, CEO | | Senior Execs, VP, Chief Engineers, CIO |
| Academics on the Advisory Board | None | Previously | Yes | | 3 internal to School and 1 outside |
| Overlap with departmental advisory boards | None | Considerable | Different individuals but there is a relationship | Some overlap but not intentional | Yes, Dept. IAB Chairs on ILC |
| How many members are there? Companies or Institutions/Individuals | 30/33 | 18/22 | 36/37 | 20 to 25 | 34/25 |
| What percent is truly active? | 50% | 50% | 70% to 80% | 90% | 80%-90% |
| What is the geographical range of the members? | Local within 100 miles | National | National | local/regional representation of primarily national companies | local representation of large and small companies |
| Is membership granted to a company or to an individual? | both | both | company | individual | both |
| Structure? (i.e. subcommittees) Does the School facilitate the meetings or does the organization run more or less on its own? What School structure/resources are available to facilitate? | Work done thru 4 committees | Advisory only | Advisory only | Advisory only | Work done thru 4 committees |
| Do you have a Statement of Expectations or Commitment that is provided to new members? Would you provide a copy to the School? | Yes | Yes Bylaws | Yes | | |

Summary of Results

| | IUPUI | U Cincinnati | UIC | Wayne State | UW-M |
|---|---|--|---|--|--|
| What's the term duration of the membership/officers? | One Year for Chair; committee chairs could be several years | Several Years | Dean's Discretion | Informal | Officially 1 year but in practice indefinite |
| How are the members selected? How are the officers selected? | School/Gen Ad Committee/Exec Board | By School | General Admin Committee/Dean | By Dean | ILC Committee, ILC Chair and Dean |
| What is the officer structure and what are the officer responsibilities? | Chair, Vice Chair, Past Chair, Chair Elect and three other Committee chairs | Just a Chair | Just a Chair | Just a Chair | Leadership Team is Chair & 4 committee chairs, Dean, Assoc. Deans and School Bus Mgr. |
| What are the frequency of meetings and duration of meetings? | Five times a year; two hours each | Annual; Evening before and all day | Bi-annual; All day | Three times a year; half-day; lunch | Six times a year; 1.5 hours each; breakfast mtgs |
| What is the typical attendance at a meeting? (industry members, faculty members, % of membership) | 25 individuals incl. faculty and members; 50% | 50% | 70% to 80% | 35 individuals incl. faculty and members; 70% to 80% | 80%-90% |
| What is the typical agenda at your meetings? Do you have guest speakers? Committee readouts? | State of the School, presentations and committee reports | State of the School, presentations and dialog | State of the School, presentations and dialog | State of the School, presentations and dialog; Seek advice and help with initiatives | Informational; Committee reports and recommendations; State of the School |
| Are you aware of any schools that do a superior job of engaging with industry through their advisory board? | | Years ago - IU Bloomington probably Kelly School | | | Big Ten Schools operate at a different level; Purdue and Wisconsin-Madison seem to do a good job |

- **Types of Advisory Councils**
 - **National Membership**
 - Typically more senior management
 - Typically meet once or twice a year; full day meeting
 - No committee structure
 - **Local/Regional Membership**
 - Typically less senior management
 - Typically shorter, more frequent meetings
 - Two of the three schools have committee structure (four committees)
 - Tends to follow nature of the university
- **Typical Meeting Agenda**
 - State of the School
 - Presentations on initiatives, research and sometimes by students
 - Some committee reports
 - Meetings are very “informational”

- Terms of Office
 - Except for IUPUI, terms at other schools are indefinite
- Relationship with department advisory boards
 - All except IUPUI had a relationship between Dean's council and department advisory boards
 - Facilitates training and succession
 - Helpful in getting support for school initiatives within a company
- Advisory council can help advance a position with university administration

- Having an alum well positioned in a company who is willing to serve is the best of all worlds
- Other schools have also avoided alternates at meetings
- Some other schools have representation from government or economic development organizations
- Having the right issue to engage the advisory board in open dialog is always a challenge

Summary Conclusions

- No Major Gaps
- DIAC relationship with department advisory boards may be an opportunity
 - Will make all boards aware of other members
 - Must remain sensitive to independence of department boards
 - Joint Board of Advisors meeting may be a forum to develop more mutual awareness

School Report

April 23, 2009

**Purdue School of Engineering and
Technology, IUPUI**

- Budget for 2009-11
 - Governor's version (3-5% cut)
 - House and senate version (up to 1% increase)
 - Capital projects
- IUPUI Campaign
 - Silent phase started in 2006
 - Announcement is sometime in 2010
- Enrollment
 - Strong application and admission for fall 2009
 - More out of state students are recruited

- 40th Anniversary of IUPUI
 - Celebrations throughout 2009
 - Chancellor's Medal to Senator Lugar
 - Research Day (Friday, April 24)
 - Spirit of Philanthropy Lunch (April 22)
 - Lilly Foundation (campus)
 - Delphi Corporation (School)
- New Academic Initiatives
 - School of Public Health, BL
 - School of Public Health, Indianapolis
- Infrastructure Funding
 - Building funds (NIH)
 - Research grants (increased funds for NIH and NSF)

- Budget for 2009-11
 - Potential cuts in the base budget
 - No salary increases
 - Tuition fee and program fee changes
- Enrollment
 - Student credit hours are up by 7% for fall 2009
 - Headcount is up by 3%
 - Expect more international students (currently at 12%)

- Academic programs
 - Energy engineering-BS (IUPUI approval is pending)
 - ABET accreditation visit for CIT and CGT programs will take place in fall 2009
- Research
 - \$4.9M external funding since July 2008
 - Expect to exceed last year's \$6M
 - New NIH grants (Chen and Kassab)

- Students

- 18 of the IUPUI Top 100 students are from the school and 4 are in the Top 10 Men/Women
- First DIAC scholarships to be given out
- Purdue Grand Prix

- Faculty

- Textbooks by Christe, Hundley, Walker, Hylton
- 12 invention disclosures since July 2008
- National office by Pat Fox
- Hiring new faculty replacing retirements and resignations

- Purdue University Honorary Degrees
 - Gerald L. Bepko
 - Wayne Eckerle
 - Reception is on May 7, 2009
- Administrative changes
 - Search for new dean is underway
 - Committee is chaired by Phil Cochran from the Kelley School of Business
 - Bill Wylam and Clayton Nicholas are on the committee

- Space
 - Renovated office spaces for Department of Engineering Technology
 - BME/Biology lab renovations are continuing in SL building
 - Funds from the bonding authorities will be used for the new Multidisciplinary Laboratory and Classroom Building (MLCB)
 - MLCB will be located south of LD building

Important Dates

- **April 24, 2009: School of Engineering and Technology Honors Convocation & Dinner**
- **June 4, 2009: DIAC Meeting, 3:30 – 5:30 p.m.**
- **September 11, 2009: Joint Board of Advisors Retreat, 11:00 p.m. – 4:00 p.m.**
- **September 18, 2009: Alumni Golf Outing**
- **October 15, 2009: DIAC Meeting, 3:30 – 5:30 p.m.**
- **December 10, 2009: DIAC Meeting, 3:30 – 5:30 p.m.**