

Purdue School of Engineering and Technology, IUPUI

Dean's Industry Advisory Council

June 5, 2009

Today's Agenda

- Meeting Convened
 - Introduction of new members
 - Alex Forman, Ice Miller
 - Joe Ward, Wolf Technical Services
 - Chris O'Keefe, Hill-Rom
- Committee Reports
 - Research – Jorge Schreiber
 - Communications – Craig Edlin
 - General Administration – Cindy Munerol
 - Diversity, Retention and Recruitment – Vince Newsom
- The Business Case for Diversity (Dr. Ken Durgans)
 - Discussion
- The Next Campaign (Paula Jenkins)
 - Discussion
- School Update (Joe Abella)
- Presentation of DIAC Pins & Certificates
- Wrap-Up, Adjourn and Networking

- Research – Jorge Schreiber
- Communications – Craig Edlin
- General Administration – Cindy Munerol
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Committee Report to DIAC

Jorge Schreiber

June 5, 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
 - Based on department research plans, develop resource recommendations for the School

- Met June 3, 2009
 - Attendees: Wayne Eckerle, Jorge Schreiber, Bill Wylam, Yaobin Chen, Jie Chen, Ed Berbari, Joe Abella
- Reviewed Electrical and Computer Engineering Department (ECE) research plan

Results of June meeting

- Reviewed ECE Department Research Plan. Overall conclusion from Committee is that plan is well-done and provides a good picture of the research strategy for ECE.
- Research Awards for current year are excellent at almost \$2.4M although driven by multi-year grant for TASI.
- Data from departments at peer schools considered in establishing individual faculty research expectations
- Individual faculty research plan is major part of Professional Development Plan, prepared and reviewed annually
- Need to provide support infrastructure to relieve faculty of administrative duties to move to next level, i.e.
 - Teaching Assistants to help with grading assignments
 - Additional graduate students to assist with research
- Research Committee can examine data from peer schools and make recommendations for additional resources
- Opportunities to increase connections between School and Industry
 - Engineers in Residence
 - Industry engineers doing research at School a couple of days per week
 - Summer internships for faculty in industry

Committee Report to DIAC

Cindy Munerol

June 5, 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

- Active Projects
 - Wrapped Up Benchmarking at April 28 DIAC Meeting
 - Continue to Work Long Term Plan
 - Input = Brainstorming Session, DIAC Survey, Benchmarking
 - Identified Vice Chair Candidates
 - Working on Membership Spectrum & Diversity
- Hopper Projects
 - New Member "Training"
 - Improve Attendance by Members

- Met May 13, 2009
 - Attendees: Marston, Bentley, Munerol, Abella
- Discussed Elements of Long Range Plan
 - Reviewed Draft
 - Focused on Organization Mission and Principles
 - Next Steps – June 5 Meeting
 - Focus on Defining Candidate Projects / Programs / Initiatives
 - Align with the Stated Mission
 - Pull in Committee Initiatives

Committee Report to DIAC

Vince Newsom

June 5, 2009

- Committee:
 - Vince Newsom-Chairman
 - Frank St. John
 - Terri Talbert-Hatch
 - Kevin Zaletel
 - Clayton Nicholas
 - Sam White
- Last committee meeting: 5/29/2009

- **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 Grant update (\$90K)**
 - **Goals with a focus on leadership development**
 - Utilize pre-professional minority student groups and empower them to actively participate in both recruitment and retention
 - Capitalize on existing summer outreach programs
 - Offer incentives for faculty to serve as focused mentors
 - **Status**
 - Identified 5 students in the spring and arranged for some tutoring
 - Identified tutors/mentor from SWE, NSBE and SHPE
 - All students will participate as a counselor for a summer program
 - Currently reviewing admits for additional participation

- Next task is to update committee goals
 - Currently they're more objective oriented
 - Plan to meet today to begin our discussions
 - Plan to meet with the Dean to set priorities

- Plan to review student programs to gain a better understanding of program objectives and offer feedback
 - Model like the Research Committee's initiatives

Dr. Ken Durgans

Assistant Chancellor for Diversity, Equity and Inclusion

**Indiana University-Purdue University
Indianapolis**

June 5, 2009

Dean's Report

June 5, 2009

Purdue School of Engineering and
Technology, IUPUI

- Graduation
 - 5,925 degrees awarded at IUPUI
- Budget for 2009-11
 - Will be determined when Legislature returns
 - Governor proposing 4% decrease
- 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
- New Academic Initiatives
 - School of Public Health, Bloomington
 - School of Public Health, Indianapolis
- Angel Learning
 - Acquired by Blackboard Inc.
 - Developed in Engineering and Technology
 - IU and the School will benefit from the proceeds

- 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 5% for Fall 2009
 - Headcount is up by 3%
 - Expect more international students (currently at 12%)

School News - 2

- Academic programs
 - BS Energy Engineering
 - IUPUI has approved
 - Proposal currently at West Lafayette
 - Provost, President, Trustees, then ICHE
 - ABET accreditation visit for CIT and CGT programs will take place in fall 2009
- Research
 - \$7.1M external funding since July 2008
 - Exceeds last year's \$6.2M with 1 mo. to go
 - New grants (R. Chen–US Army; Y. Huo–AHA)

School News - 3

- Students

- First DIAC scholarships awarded
- 18 of the IUPUI Top 100 students are from the School and 4 are in the Top 10 Men/Women
- Degrees awarded in May
 - 479 AS/BS
 - 78 MS
 - 81 Certificates

- Purdue University Honorary Degrees

- Gerald L. Bepko
- Wayne Eckerle

School News - 3

- Faculty Summer Internships
 - Russ Eberhart - Crane
 - Stanley Chien – Raytheon
 - Paul Salama – Crane

- Faculty Awards
 - Lauren Christopher & Lingxi Li have received RSGF awards from IUPUI

- 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
 - Changes in administration for Offices of Research and Academics will be announced mid-June

Summer Programs

- Power Camp
 - Preparing Outstanding Women for Engineering
 - Females entering 10, 11, 12 grades
 - 1 week residential; \$100 fee
 - Major sponsorship from
 - Rolls Royce
 - MidWest ISO
 - IUPUI Office of Multicultural Outreach

<http://www.engr.iupui.edu/power/>

Summer Programs

● MEAP

- Minority Engineering Advancement Program
 - Students in Grade 6 through 12
 - One week day camp
 - Classroom, Projects and Tours
- <http://www.engr.iupui.edu/meap/>

Summer Programs

- Pathways to Engineering
 - For IPS students in 4th & 5th grades
 - Two days
 - Major collaborators
 - Indianapolis Public Schools
 - Viola Water
 - Rolls Royce

Summer Programs

- Indiana Summer Transportation Institute
 - For 9th, 10th, 11th, & 12th graders
 - One week duration
 - Major sponsors
 - Federal Highway Administration
 - Indiana Department of Transportation

www.engr.iupui.edu/isti

Summer Programs

- MURI

- Multidisciplinary Undergraduate Research Institute
- College students involved in a team research project
- Nine week Summer MURI includes 10 International Students this year
 - Includes cultural activities

http://crl.iupui.edu/muriIUPUI/student_E&T.asp

Recognition

Presentation of DIAC Pins & Certificates

Important Dates

- **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.**