Purdue School of Engineering and Technology, IUPUI

Dean’s Industry Advisory Council

September 24, 2010
Today’s Agenda

- Meeting Convened (Cary Marston)
- Member Introductions (All)
- Welcome to IPL (Joe Bentley)
- Committee Reports
  - General Administration (Joe Bentley)
  - Diversity, Retention & Recruitment (Frank St. John)
  - Research (Wayne Eckerle)
- Dialog with the Dean (Dean Russomanno)
- DIAC History (Joe Abella)
- Wrap Up and Adjourn & Networking

- Note: After the regular meeting, IPL will host a tour of the Distribution Center for those who are interested.
Welcome to IPL

Joe Bentley
Committee Reports

General Administration Committee

Joe Bentley
Committee meets once per month via conference call for an hour.

- Joe Bentley
- Cindy Munerol
- Malcolm Thomas
- Joe Ward
DIAC Long Range Plan

**Mission/Objectives**
- Guide the School & Advise the Dean: Nourish the partnership between school, industry, and community
- Enable relevant educational experiences for students
- Support comprehensive outreach to the community
- Promote excellence in research and creative activity
- Support the intellectual and economic development of community stakeholders

**Strategies**
- Primary Source of Industry Advice to Dean and School Leaders
- Promote Diversity and Inclusion
- Vibrant and Relevant DIAC
- Student - Industry Linkage
- Champion Research, International, Service and Experiential Learning (RISE)
- Support IUPUI Community Outreach
- K – 12 ISTEM – Fill the Pipeline
- Grow Research and Realize Technology
- Collaboration w/Industry (Pervasive Connections)
- Support University Funding

**Initiatives**
- Advisors on School Topics and Issues - All
- Engage School’s Diversity Initiatives
- Recognize Membership & Service
- Recruit Members - GA
- Grow DIAC Leaders - GA
- Link to Dept Adv. Boards & Alumni Board - GA
- Show Relevant Metrics - All
- Grow Internships & Coops - All
- Hold Industry Open Houses & Facility Tours
- Define Real World Senior Projects
- Engage Student Organizations
- Provide Job Shadowing Opportunities – All
- Attend Job Fairs with Subject Matter Experts - All
- Mock Interviews
- Staff the IUPUI State Fair Booth - All
- Community / Curriculum Collaboration: (Music Technology & Indianapolis Symphony)
- Support ISTEM Initiatives
- Support K – 12 Summer Programs
- Help 7 – 12 at Risk Students
- Industry Review of Research Programs
- Integrate School and Industry Research Pursuits
- Help License and Commercialize Research
- Bring Company Intellectual Resources to Support Technology Research
- IUPUI Fellows (e.g. Rolls Royce Fellows)
- Participate in Brown Bag Lectures - All
- Industry Engagement on Strategic Plans – All
- Build the Education / Public / Private Bond - All
- Capital Campaign Leaders – All
- Support University Funding Through Legislative Process
- Tie Into 2012 Super Bowl
New DIAC Members

- Brian Heald - Head of Development & Manufacturing, Diabetes Care North America
  Roche Diagnostics

- In discussion with Todd Hubbell – Vice President Logistics, Endress+Hauser (Process Instrumentation, i.e. Flow and Level Meters)

- Companies still being sought out
  - Lilly
  - Midwest ISO
  - Law Firms
Diversity, Retention and Recruitment

Frank St. John
Diversity, Retention & Recruitment Committee

- Committee:
  - Vince Newsom-Chairman
  - Clayton Nicholas
  - Frank St. John
  - Terri Talbert-Hatch
  - Sam White
  - Kevin Zaletel

- Last meeting September 21
  - Updated DIAC Long Range Plan (Diversity Committee)
  - Planning for student meeting on October 1st.
DIAC Long Range Plan

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**Initiatives**

- Advisors on School Topics & Issues (Diversity-shared)
- Engage School’s Diversity Initiatives (Diversity)
- Recognize Membership & Service
- Recruit Members
- Grow DIAC Leaders
- Link to Dept Adv. Boards & Alumni Board
- Show Relevant Metrics (Diversity-shared)
- Grow Internships & Coops (Diversity)
- Hold Ind. Open Houses & Facility Tours Div. shared
- Define Real World Senior Projects
- Engage Student Organizations (Diversity)
- Provide Job Shadowing Opportunities (Diversity)
- Attend Job Fairs with Subject Matter Experts
- Mock Interviews
- Dev. strategic plan for recruiting diverse students
- Staff the IUPUI State Fair Booth
- Community / Curriculum Collaboration: (Music Technology & Indianapolis Symphony)
- Support ISTEM Initiatives (Diversity)
- Support K – 12 Summer Programs (Diversity)
- Help 7 – 12 at Risk Students (Diversity)
- Industry Review of Research Programs
- Integrate School and Industry Research Pursuits
- Help License and Commercialize Research
- Bring Company Intellectual Resources to Support Technology Research
- IUPUI Fellows (e.g. Rolls Royce Fellows)
- Participate in Brown Bag Lectures
- Industry Engagement on Strategic Plans
- Build the Education / Public / Private Bond
- Capital Campaign Leaders
- Support University Funding Through Legislative Process
- Tie Into 2012 Super Bowl
Diversity, Recruiting and Retention (Update)

**Mission/Objectives**
- Enable relevant educational experiences for students

**Strategies**
- Student - Industry Linkage
- Champion Research, International, Service and Experiential Learning (RISE)

**Initiatives**
- Grow Internships & Coops (Diversity)
- Hold Industry Open Houses & Facility Tours (Diversity-shared)
- Define Real World Senior Projects
- Engage Student Organizations (Diversity)
  - Provide advisory role to SWE, NSBE and SHPE
  - Help with year to year organization transition
  - Work on developing peer mentoring
- Provide Job Shadowing Opportunities (Diversity)
- Attend Job Fairs with Subject Matter Experts
- Mock Interviews
- Develop strategic plan for recruiting diverse students

**# 1 Priority**

**New initiative added**
Preparation for October 1st Student Meeting

- Our role should be to engage and facilitate—not necessarily to lead
- Where we can help
  - Provide resources
  - Advise
  - Provide visibility of students to DIAC and DIAC to students
- Desired outcomes
  - Identifying a mechanism(s) for ongoing collaboration
  - Synchronizing calendars
  - Identify at least one joint activity
  - Areas where organizations may need our help
Committee Reports

Research Committee

Wayne Eckerle
Met August 10th  
Discussed Strategic Directions
DIAC Long Range Plan

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**Initiatives**

- Advisors on School Topics and Issues - All
- Engage School’s Diversity Initiatives - DRR
- Recognize Membership & Service
- Recruit Representative Membership - GA
- Grow DIAC Leaders - GA
- Link to Dept Adv. Boards & Alumni Board - GA
- Show Relevant Metrics - All
- Grow Internships & Coops - All
- Hold Industry Open Houses & Facility Tours
- Define Real World Senior Projects
- Engage Student Organizations - DRR
- Provide Job Shadowing Opportunities – All
- Attend Job Fairs with Subject Matter Experts - All
- Mock Interviews
- Staff the IUPUI State Fair Booth - All
- Community / Curriculum Collaboration: (Music Technology & Indianapolis Symphony)
- Support ISTEM Initiatives - DRR
- Support K – 12 Summer Programs - DRR
- Help 7 – 12 at Risk Students - DRR
- Industry Review of Research Programs – R
- Promote School and Industry Joint Research Pursuits - R
- Increase Awareness of Licensing & Commercialization Opportunities - R
- Bring Company Intellectual Resources to Support Technology Research - R
- IUPUI Fellows (e.g. Rolls Royce Fellows) - R
- Participate in Brown Bag Lectures - All
- Industry Engagement on Strategic Plans – All
- Build the Education / Public / Private Bond - All
- Capital Campaign Leadership & Participation – All
- Support University Funding Through Legislative Process
- Tie Into 2012 Super Bowl
Research Committee

- **Industry Review of Research Programs**
  - Plan Template and Four Department Plans reviewed to date
  - Bernie Sepaniak has met with Dr. Fred Rees, Chair of Music and Arts Technology. Committee believes there is limited benefit to a DIAC review of an MAT Research Plan.

- **Record Research Funding of $10.3M last year**
  - Effect on growth of research funding in BME
    - Death of Dr. Turner
    - Dr. Yokota took a position at RPI
Research Committee

- **Research Strategies**
  - School will draft a whitepaper that identifies potential research directions that align with interests of local industry
    - Assess current key strengths, strategic faculty recruiting strategies, and identification of possibilities which engage the industrial community as partners
  - As direction is formulated, will need additional DIAC members on the Research Committee to further develop

- **Provide Letters of Support for Grants and Proposals**
  - Several DIAC firms responded to recent request
    - Thank You to all!
Dialog with Dean David Russomanno
DIAC History

Joe Abella
DIAC History

- Founded in 1996
  - 36 Initial Members
  - Quarterly Meetings
  - Optional Dinner
  - Performed Benchmarking
  - Presented Research Highlights
  - Conducted Annual Survey of Membership
- Committees for Life Sciences, Advanced Manufacturing and Information Technology 2002
- Reexamined Mission and Vision - 2008
- Benchmarking of Advisory Councils - 2008
- Long Range Plan - 2009
Vision Statement:
The DIAC will be the key industry resource that the Dean and the School of Engineering and Technology rely on for strategic advice to achieve its mission and vision.
Mission Statement:
The mission of the DIAC is to guide and support the School of Engineering and Technology in providing relevant educational experiences for students, comprehensive outreach and accessibility to the community through civic engagement, excellence in research and creative activity, and meaningful activities that support the intellectual and economic development of community stakeholders. In addition, DIAC members are an effective and committed two-way information conduit between the School, industry, and the community.
Wrap-Up

Important Dates 2010 (revised 8-15)*

- October 29*, Friday: Joint Board of Advisors Retreat, 12:00 – 4:00
  - IUPUI Library Auditorium
  - Buffet Luncheon
  - Poster Session – Research Projects Faculty and Students
  - Keynote Presentation – Mark Miles, CEO of Central Indiana Corporate Partnership
  - Student presentations
  - Status of the School’s Advisory Boards - Joe Abella
  - School Update - Dean David Russomanno

- December 9, Thursday: DIAC Meeting, 3:30 – 5:30 p.m.
Networking Break Followed by Tour