

# Purdue School of Engineering and Technology, IUPUI

## Dean's Industry Advisory Council

June 10, 2010

# Today's Agenda

- Meeting Convened (Cary Marston)
  - Introduction of new members – Jill Mendoza, i.d.o. Inc.
- Science, Technology, Engineering & Math  
(Dr. Charles Feldhaus)
- New DIAC Committee (Joe Abella)
- Break & Networking
- School Update (Dean Yurtseven)
- Committee Reports
  - Diversity, Retention & Recruitment (Vince Newsom)
  - General Administration (Joe Bentley)
  - Research (Wayne Eckerle)
- Wrap Up and Adjourn (Cary Marston)

# **“STEM Education: What Role Should Schools of Engineering and Technology Play?”**

Dr. Charles Feldhaus

Associate Professor of Organizational  
Leadership and Supervision

# New DIAC Committee

## Student Support

Joe Abella

- Form a new DIAC Committee to address Student Support
  - Suggested by General Administration Committee
  - Discussed at last DIAC meeting
  - Approved by DIAC Executive Board
- Addresses a critical part of School's mission
- Work directly with E&T Office of Student Services
- Provide support and advice on post enrollment through employment activities.
  - Career Forums
  - Coop and Intern Opportunities
  - Resume Reviews
  - Mock Job Interviews
  - ????
- Coordinate with DIAC Diversity, Recruitment and Retention Committee

# Networking Break

# School Report for DIAC Meeting

Dean Yurtseven

June 10, 2010

# Diversity, Retention and Recruitment

Vince Newsom



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

# Diversity, Recruiting and Retention

## 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)
  - Need a plan
- Hold Industry Open Houses & Facility Tours (Diversity-shared)
  - When invited
- Define Real World Senior Projects
- **Engage Student Organizations** (Diversity)
  - Provide advisory role to SWE, NSBE and SHPE
- Provide Job Shadowing Opportunities (Diversity)
  - Support when requested
- Attend Job Fairs with Subject Matter Experts
- Mock Interviews

# 1 Priority



- Committee met with student group officers (SWE, SHPE, NSBE) and advisors on 4/19/10.
- Observations/comments:
  - Large student involvement helps keep the organization going (share the load)
  - Sharing between organizations (ideas and activities) very effective
  - Coordination between organizations would enhance efforts
  - Need interesting speakers to maintain interest
  - Not all students see the benefit of being a part of these organizations
  - No specific growth goals but they'd like to grow
  - Finding good meeting times is a problem
- Next steps
  - Facilitate a joint meeting to plan out next year's calendar with joint activities.
  - Leverage opportunities with TASI and the Lugar Center
- Supported the school's Diversity Council meeting on 4/13/2010
  - Discussion with Wayne Hilson with the Office of Diversity, Equity, and Inclusion
  - Updated him on E&T's diversity initiatives

# General Administration

## Committee

Joe Bentley

# General Administration Committee

- Joe Bentley
- Cindy Munerol
- Malcolm Thomas
- Joe Ward

Meets by Phone  
Third Wednesday of the month

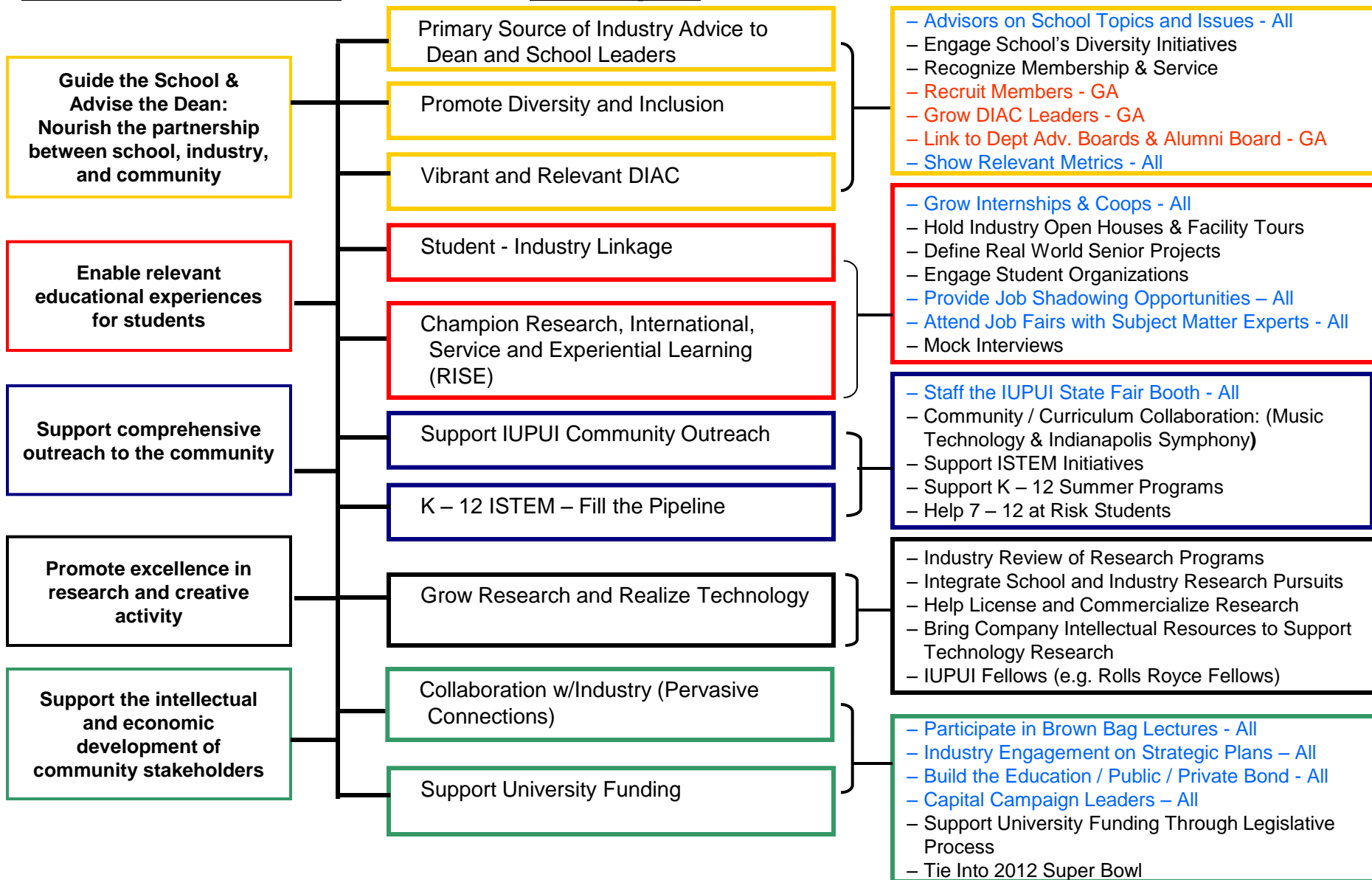
# DIAC Long Range Plan



## Mission/Objectives

## Strategies

## Initiatives



# DIAC Long Range Plan

## Mission/Objectives

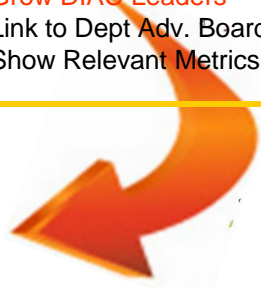
Guide the School & Advise the Dean:  
Nourish the partnership between school, industry, and community

## Strategies

- Primary Source of Industry Advice to Dean and School Leaders
- Promote Diversity and Inclusion
- Vibrant and Relevant DIAC

## Initiatives

- Ad Hoc Advisors on School Topics and Issues
- **Recruit Members**
- **Grow DIAC Leaders**
- Link to Dept Adv. Boards & Alumni Board
- Show Relevant Metrics



**Specific  
Measurable  
Attainable  
Realistic  
Timely**

## Committee Work Plan & Metrics

| Strategy → Initiative                          | Task  | Measurement   |
|--|---|---|
| Vibrant and Relevant DIAC<br>→ Recruit Members | Identify companies hiring IUPUI graduates<br><br>Target selective companies for DIAC membership<br><br>Maintain a diverse DIAC membership of both large, medium and small companies | Full and engaged DIAC membership<br><br>Opportunities for both graduates, interns and co-ops. |

# New DIAC Members

- Kristin Jones – Indiana Health Industry Forum
- Jill Mendoza – i.d.o. Incorporated
- Companies being sought out
  - Lilly
  - Midwest ISO
  - Barnes & Thornburg, Ice Miller, Baker Daniels



## 2011 General Administration Chair & 2012 DIAC Chair

- Cindy Munerol – AT&T

# Research Committee

Wayne Eckerle

- Wayne Eckerle
- Bernie Sepaniak
- Jorge Schreiber
- Joe Kitterman
- Bill Wylam
- Jim Wheeler
- Andrew Hsu, Ed Berbari, Yaobin Chen, Jie Chen

**Met April 15<sup>th</sup>**

Discussed Long Range Plan Initiatives

# DIAC Long Range Plan



## Mission/Objectives

## Strategies

## Initiatives

**Guide the School & Advise the Dean:  
Nourish the partnership between school, industry, and community**

Primary Source of Industry Advice to Dean and School Leaders

Promote Diversity and Inclusion

Vibrant and Relevant DIAC

- Advisors on School Topics and Issues
- Engage School's Diversity Initiatives
- Recognize Membership & Service
- Recruit Members
- Grow DIAC Leaders
- Link to Dept Adv. Boards & Alumni Board
- Show Relevant Metrics

**Enable relevant educational experiences for students**

Student - Industry Linkage

Champion Research, International, Service and Experiential Learning (RISE)

- Grow Internships & Coops
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**Support comprehensive outreach to the community**

Support IUPUI Community Outreach

K - 12 ISTEM - Fill the Pipeline

- Staff the IUPUI State Fair Booth
- Community / Curriculum Collaboration: (Music Technology & Indianapolis Symphony)
- Support ISTEM Initiatives
- Support K - 12 Summer Programs
- Help 7 - 12 at Risk Students

**Promote excellence in research and creative activity**

Grow Research and Realize Technology

- 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)

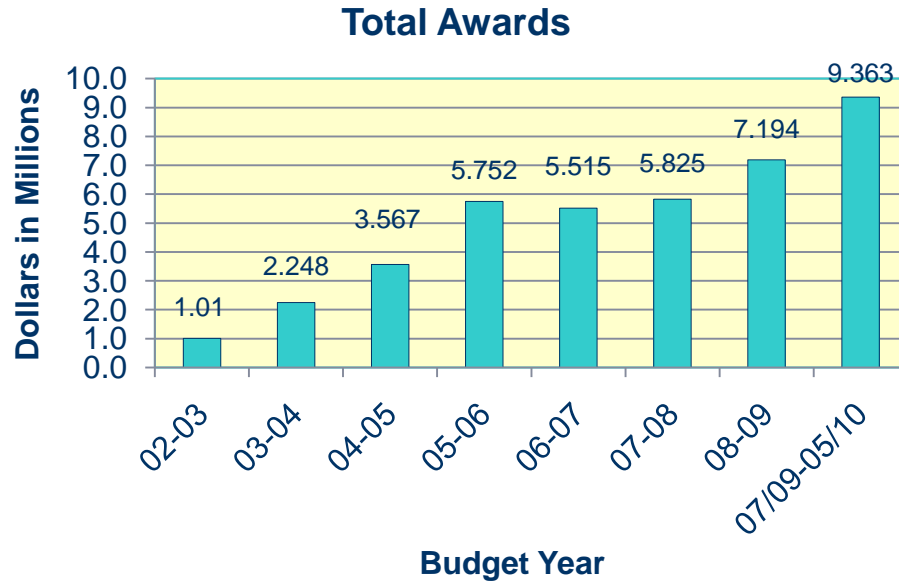
**Support the intellectual and economic development of community stakeholders**

Collaboration w/Industry (Pervasive Connections)

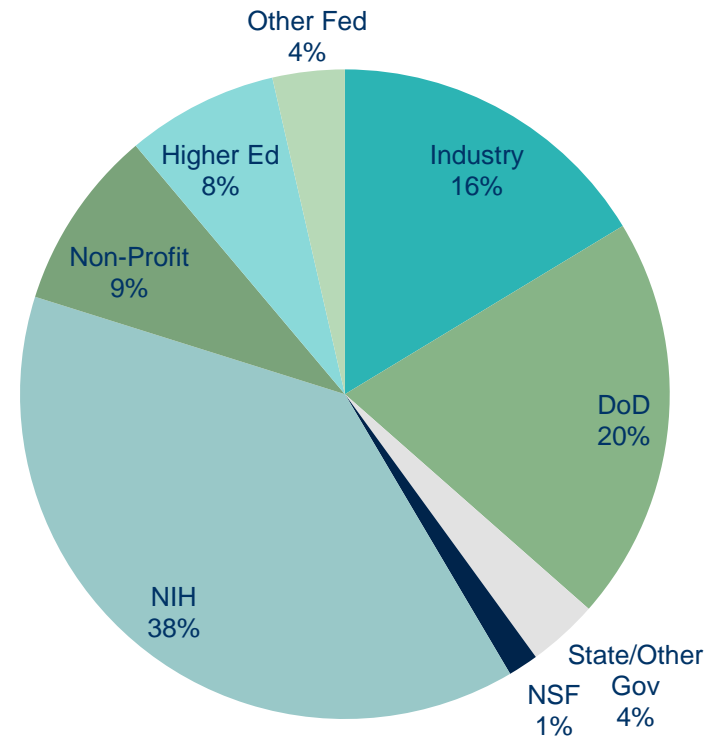
Support University Funding

- 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

# Research Committee



### E&T Awards 35 Months \$21.9M



- ***Grow Research and Realize Technology*** is owned by 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, to explore DIAC review of MAT activities
- **Integrate School and Industry Research Pursuits** – Change to *Promote* *School and Industry Research Collaboration and Joint Pursuits*

- **Help License and Commercialize Research**
  - It was noted that this may be difficult.
- **Bring Company Intellectual Resources to Support Technology Research**
- **Provide Industry Input when Hiring Faculty**
  - DIAC well represented on Dean Search Committee
  - Unknown to what extent industry input sought when hiring faculty, esp. research faculty
- **Provide Letters of Support for Grants and Proposals**
  - Small Business Innovative Research proposals specifically mentioned

- **IUPUI Fellows (e.g. Rolls Royce Fellows)**
  - Individuals from companies spend a semester or a year teaching or performing research at the School. Doing some of this through TASI today.
  - Faculty spend some period of time (a summer or a semester) working in industry. Last year placed 4 faculty in summer positions at Raytheon and Crane.
  - Individuals from companies lecture at noontime or other time seminars.
  - Companies invited to noontime seminars.
  - Seminars could be teleconferenced or webinared to increase access.
  - The idea is to share technical issues and establish linkages between companies and faculty.



- **Other Comments –**
  - Need to increase representation and participation on DIAC Research Committee from industry members.
  - Need industry more involved in research at School and vice versa.
  - Build individual relationships between technical people in industry and at the School.
- **Summary - several initiatives that Research Committee could sponsor:**
  - Fellowships - student/faculty/industry employees
  - Brown bag presentations
  - Guest lecturing
  - Letters of support
  - Aligning industrial support with faculty/facility capabilities

Retirement Celebration in Honor of  
**H. Öner Yurtseven, Ph.D.**

Dean, Purdue School of  
Engineering and Technology, IUPUI



**Friday, June 18, 2010**

**4:00 – 7:00 p.m.**

**University Place Hotel**

R.S.V.P. by June 9th at

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

## Important Dates 2010 (revised 3-30)\*

- June 18, Friday: Dean's Retirement Celebration, 4:00 – 7:00 p.m.
- September 17, Friday: Alumni Golf Outing
- September 24\*, Friday: Joint Board of Advisors Retreat, 11:00 a.m. – 4:00 p.m.
- October 29\*, Friday: DIAC Meeting, 8:00 – 10:00 a.m.
- December 9, Thursday: DIAC Meeting, 3:30 – 5:30 p.m.