

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

General Administration

Committee

Joe Bentley

General Administration Committee

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

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

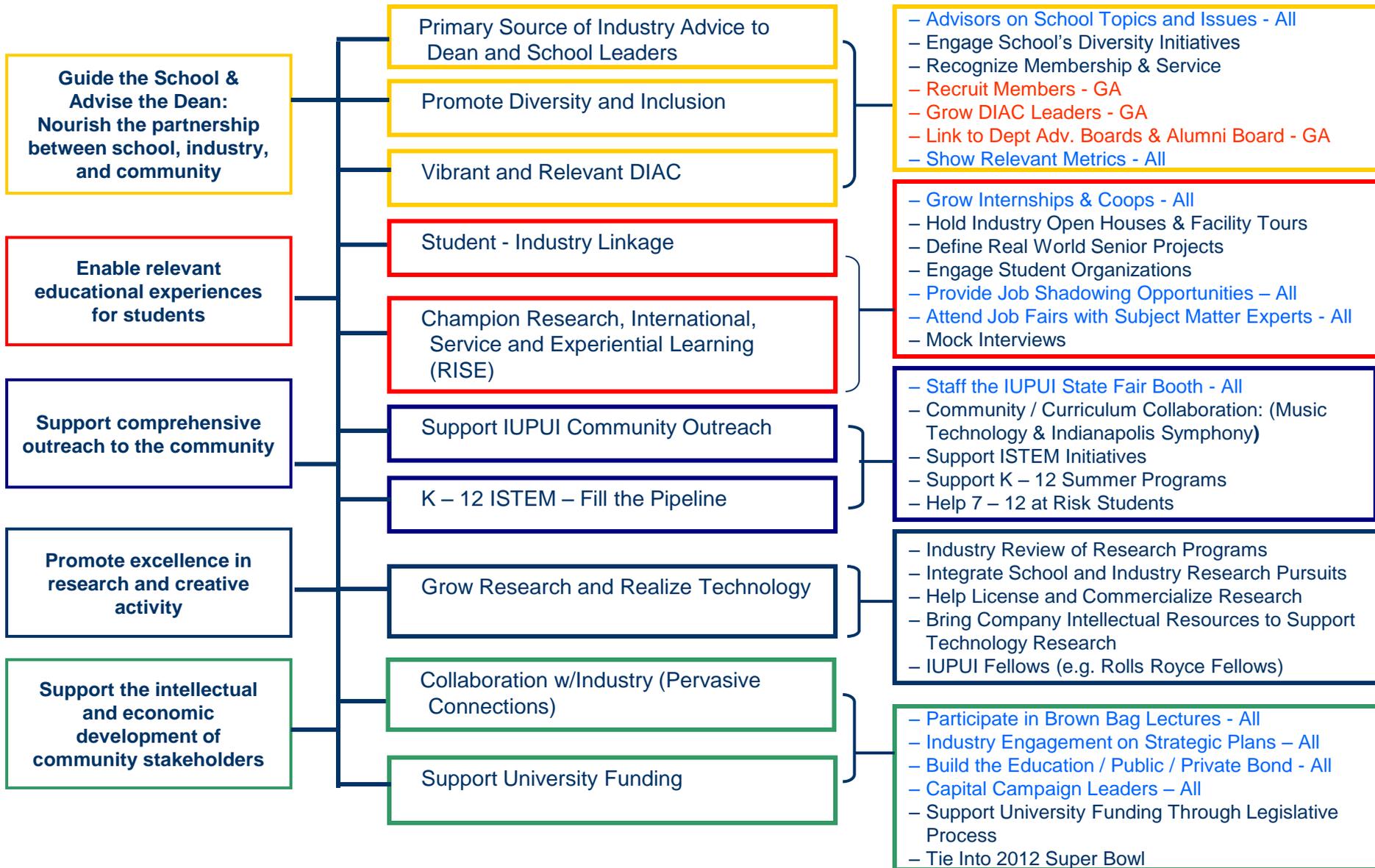
DIAC Long Range Plan



Mission/Objectives

Strategies

Initiatives



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

- 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



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 & 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)

Enable relevant educational experiences for students

Student - Industry Linkage

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

- 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

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 (Diversity)
- Support K - 12 Summer Programs (Diversity)
- Help 7 - 12 at Risk Students (Diversity)

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

Diversity, Recruiting and Retention (Update)

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Enable relevant educational experiences for students

Student - Industry Linkage

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

- 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

Research Committee

Wayne Eckerle

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

Met August 10th

Discussed Strategic Directions

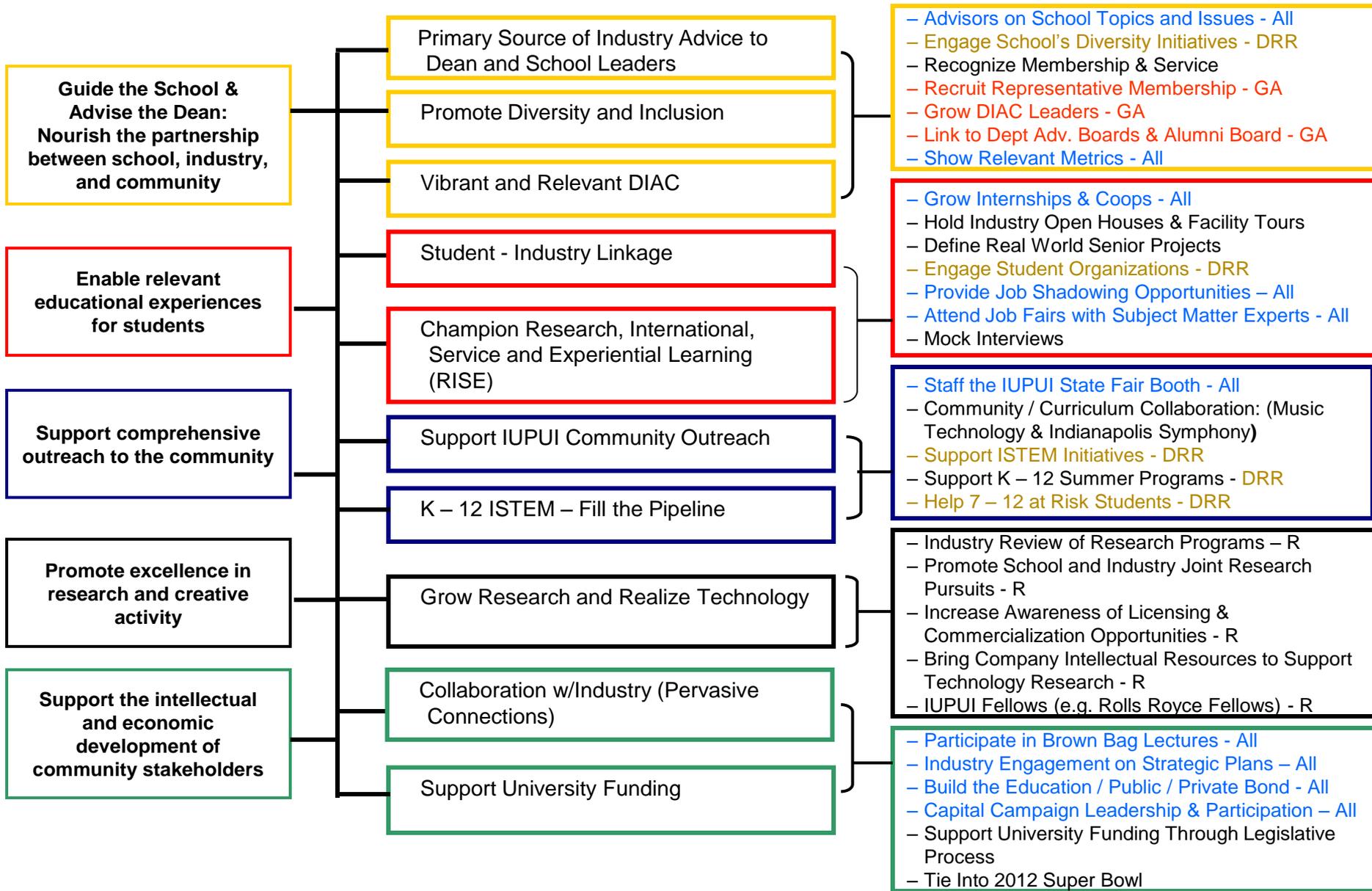
DIAC Long Range Plan



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Initiatives



- **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 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

- 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.

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