

Purdue School of Engineering and Technology, IUPUI

Dean's Industry Advisory Council

August 30, 2012

Today's Agenda

- Meeting Convened (Cindy Munerol)
 - Introduction of New Members
- School Update (Dean Russomanno)
- Development (John Mainella)
- Update - Professional Master Degree (Dr. Nalim)
- Department Realignments (Dr. Hundley & Dr. Fernandez)
- Research Project (Kai Yang Graduate Student)
 - “Pedestrian Detection System”
- DIAC Long Range Plan (Vince Newsom)
- DIAC Committee Updates & Breakout Groups Report
 - General & Administration
 - Research
 - Diversity, Recruitment & Retention
 - Student Services
- Wrap-Up & Adjourn

School Update

Dean David Russomanno

August 30, 2012

Development

John Mainella

August 30, 2012

Professional Masters Degree Update

Dr. Razi Nalim

Dean's Industry Advisory Council

Department Realignment

Dr. Hundley & Dr. Fernandez

August 30, 2012

Pedestrian Detection System

Kai Yang

August 30, 2012

DIAC Long Range Plan

Vince Newsom

Update to DIAC Long Range Plan

- Updated consistent with E&T's new Strategic Plan
 - Mission/Objectives updated
 - Incorporate school themes
- Incorporated additional initiatives identified during the 3/28/12 DIAC meeting
- Updates reviewed by the committee chairs

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
- Hold Industry Open Houses & Facility Tours
- Define Real World Senior Projects
- Engage Student Organizations
- Provide Job Shadowing Opportunities
- Attend Job Fairs with Subject Matter Experts
- Mock Interviews

**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

Factored E&T's Strategic Plan into the "DIAC Long Range Plan"

Strategic Plan: January 2012 - December 2017

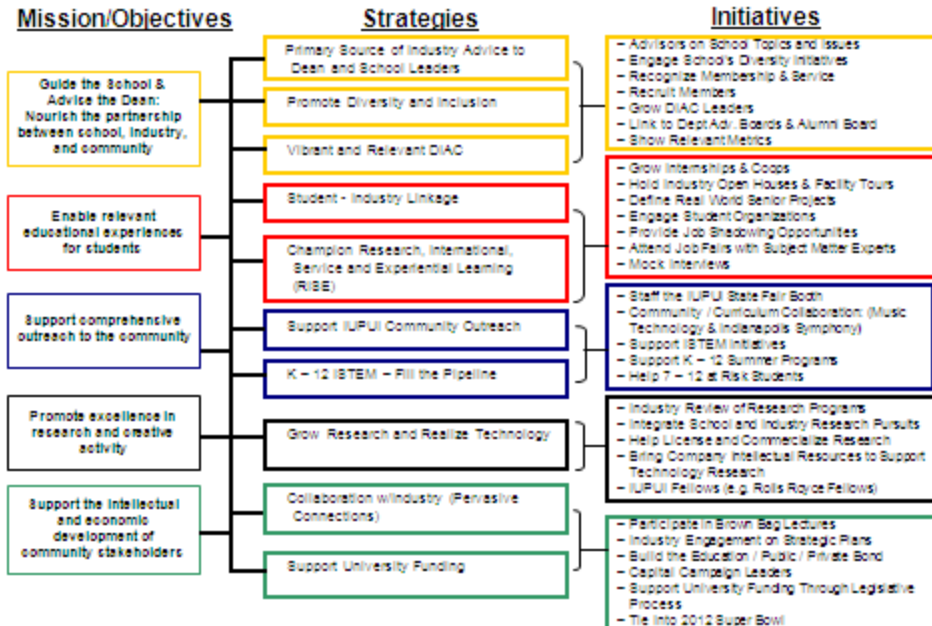
Compete at the Highest Levels
Strive for Excellence in Core Mission
Enhance Image and Reputation

C. Strategic Initiatives

The plan is organized around five strategic areas, as summarized in figure C.1. on page 7, which support the overall IUPUI campus mission:

1. Best Practices
2. Undergraduate Programs
3. Graduate Programs, Research, and Creative Activities
4. Civic Engagement
5. Diversity

DIAC Long Range Plan



DIAC Long Range Plan

School Themes



Compete at the Highest Levels



Strive for Excellence in Core Mission



Enhance Image & Reputation

Mission/ Objectives

Guide the School & Advise the Dean: Advocate for the School in industry and in the community

Guide the School's investments in people and in fiscal stewardship

Support the delivery of instruction, the scholarship of teaching & learning, student services & advising

Help position the School as a pillar of the IUPUI research campus

Assist the School in expanding its role and value as an economic development mechanism

Aid the School in the pursuit of excellence in its core mission by advancing a culture of diversity

Strategies

Be the Primary Source of Industry Advice to Dean and School Leaders

Maintain Vibrant and Relevant DIAC

Advocate & Support School and University Funding

Help Enhance the Student Experience and Support Initiatives such as RISE (Research, International, Service & Experiential Learning) through greater Student-Industry Linkage

Assist with STEM Initiatives and Student Recruiting

Grow Research and Realize Technology

Support IUPUI Community Outreach & Create Pervasive Community Connections

Promote Diversity and Inclusion

Initiatives

Advise on School Topics and Issues – All
Engage in School Strategic Planning – All
Recognize Membership & Service - GA
Recruit Representative Membership - GA
Examine DIAC Expansion to Region/National - GA
Grow DIAC Leaders - GA
Link to Dept. Advisory Boards & Alumni Board - GA
Show Relevant Metrics – All

Support University Funding thru Legislature – All
Capital Campaign Leadership & Participation – All
Promote Scholarship Opportunities - All
Attend Job Fairs with Subject Matter Experts - SS
Conduct Mock Interviews – SS
Grow Internships & Coops – SS
Provide Job Shadowing Opportunities – SS
Hold Industry Open Houses & Facility Tours – SS
Help Provide Real World Senior Projects - All
Support ISTEM Initiatives – DRR

Industry Review of Research Programs – R
Promote School and Industry Joint Research - R
Increase Awareness of Commercialization Opportunities - R
Bring Company Intellectual Resources to Support Technology Research – R
Develop IUPUI Fellows (e.g. Rolls Royce Fellows) – R
Support/Assist in Faculty Searches - R
Find/Propose New Advanced Degree Programs - R
Participate in Brown Bag Lectures – R

Be Communication Channels to Companies - SS
Leverage Community / Curriculum Collaboration: (Music Technology & Indianapolis Symphony) - All

Support School's Diversity Initiatives – DRR
Engage Student Organizations – DRR
Support K – 12 Summer Programs - DRR
Help 7 – 12 at Risk Students - DRR
Dev. Strategies for Recruiting Diverse Students-DRR

DIAC Long Range Plan

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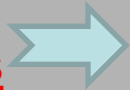
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DIAC Long Range Plan

School Themes

Compete at the Highest Levels

Strive for Excellence in Core Mission

Enhance Image & Reputation

Mission/ Objectives

Strategies

Initiatives

Guide the School & Advise the Dean: Advocate for the School in industry and in the community

Examine DIAC Expansion to Region/National(GA)

Advise on School Topics and Issues – All
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Recognize Membership & Service - GA
Recruit Representative Membership - GA
Examine DIAC Expansion to Region/National - GA
Grow DIAC Leaders - GA
Link to Dept. Advisory Boards & Alumni Board - GA
Show Relevant Metrics – All

Guide the School's investments in people and in fiscal stewardship

Promote Scholarship Opportunities(All)

Support University Funding thru Legislature – All
Capital Campaign Leadership & Participation – All
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Support/Assist in Faculty Searches (R)

Industry Review of Research Programs – R
Promote School and Industry Joint Research - R
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Help position the School as a pillar of the IUPUI research campus

Find/Propose New Advanced Degree Programs (R)

Be Communication Channels to Companies - SS
Leverage Community / Curriculum Collaboration: (Music Technology & Indianapolis Symphony) - All

Assist the School in defining its role and value in economic development mechanisms

Be Communication Channels to Companies(SS)

Support School's Diversity Initiatives – DRR
Engage Student Organizations – DRR
Support K – 12 Summer Programs - DRR
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Work Plan & Metric (example)

General & Administration Committee

Strategy → Initiative	Task	Measurement
Maintain Vibrant and Relevant DIAC → Examine DIAC Expansion to Region/National	<ul style="list-style-type: none">• Assess pros and cons• Review benchmark information• Consider potential DIAC membership composition• Evaluate meeting formats changes• Prepare report	<ul style="list-style-type: none">• Complete assessment and report finding to the Dean and DIAC• Recommend new DIAC members consistent with the plan• Develop and recommend a new meeting format

Committee Actions

- Each committee review the Long Term Plan and the initiatives
- Prioritize initiatives
- Develop work plan and metric
- Report progress back to DIAC

General Administration Committee

- Committee:
 - Vince Newsom - Chairman
 - Joe Abella
 - Joe Bentley *NEW*
 - Stephen Hundley
 - Cary Marston
 - Frank St. John
 - Malcolm Thomas
 - Joe Ward
- Teleconference meetings held monthly

General & Administration Committee Activities

- Priorities
 - ✓ – Frank St. John will be next year's chairman of the General Administration committee
 - ✓ – Update DIAC Long Range Plan
- Started** – Examine DIAC Expansion to Regional/National
- Ongoing** – Recruit Representative Membership
 - Link to Dept. Advisory Boards & Alumni Board

**Research
Committee**

- Wayne Eckerle
- Bernie Sepaniak
- Jorge Schreiber
- Joe Kitterman
- Bill Wylam
- Jim Wheeler
- Steve Wellborn
- Razi Nalim

Met August 29

Discussed Professional Masters Degree
Clarifying Long Range Plan Initiatives

Diversity, Recruitment and Retention Committee

- Membership
 - Kevin Zaletel, *Chairman* – UPS
 - Clayton Nicholas – Delphi
 - Kristin Jones – Indiana Health Industry Forum
 - Chris O’Keefe – Hill-Rom
 - Terri Talbert–Hatch – Asst. Dean Student Services
- Frank St. John, *Past Chairman* – Applied Engineering Services

Initiatives

- Engage School's Diversity Initiatives
- Engage Minority Student Organizations
- Support ISTEM Initiatives
- Support K-12 Summer Programs
- Assist the Student Services Committee
 - Co-ops, Internships, Job Shadowing
- *Continued meeting with SHPE, SWE, and NSBE Presidents*
- *Plans for this fall are to continue meeting with them (all new officers) and use the Strategic plan as a guide*

DIAC Student Support Committee Update

John Galbraith
Vice President – R, D & E
United Technologies
August 30th 2012

Committee Goals

- Increase the number of opportunities for student interaction with discipline professionals (Career Forums, Coop & Intern Opportunities, Resume Reviews & Mock Job Interviews)
- Increase the number of opportunities for internships or recruitment with DIAC member firms
- Make proposals on how to improve “marketability” and employment opportunities for students with 2.6 – 2.9 GPAs
- Make proposals and implement a more robust process for bringing together students and potential employers in areas outside of Engineering & Engineering Technology.
- Coordinate efforts with DIAC Diversity, Recruitment & retention Committees

Mission Statement – “HOW”

- The overarching purpose of this committee is to strengthen the relationships between the following key constituents;
 - DIAC member companies,
 - The university staff and students.
- By identifying relevant industry meetings, student or public events, publicizing these events to the constituents and providing good models of interaction that constantly grows the network that exists between them, the committee believes that it will be able to achieve the specific goals

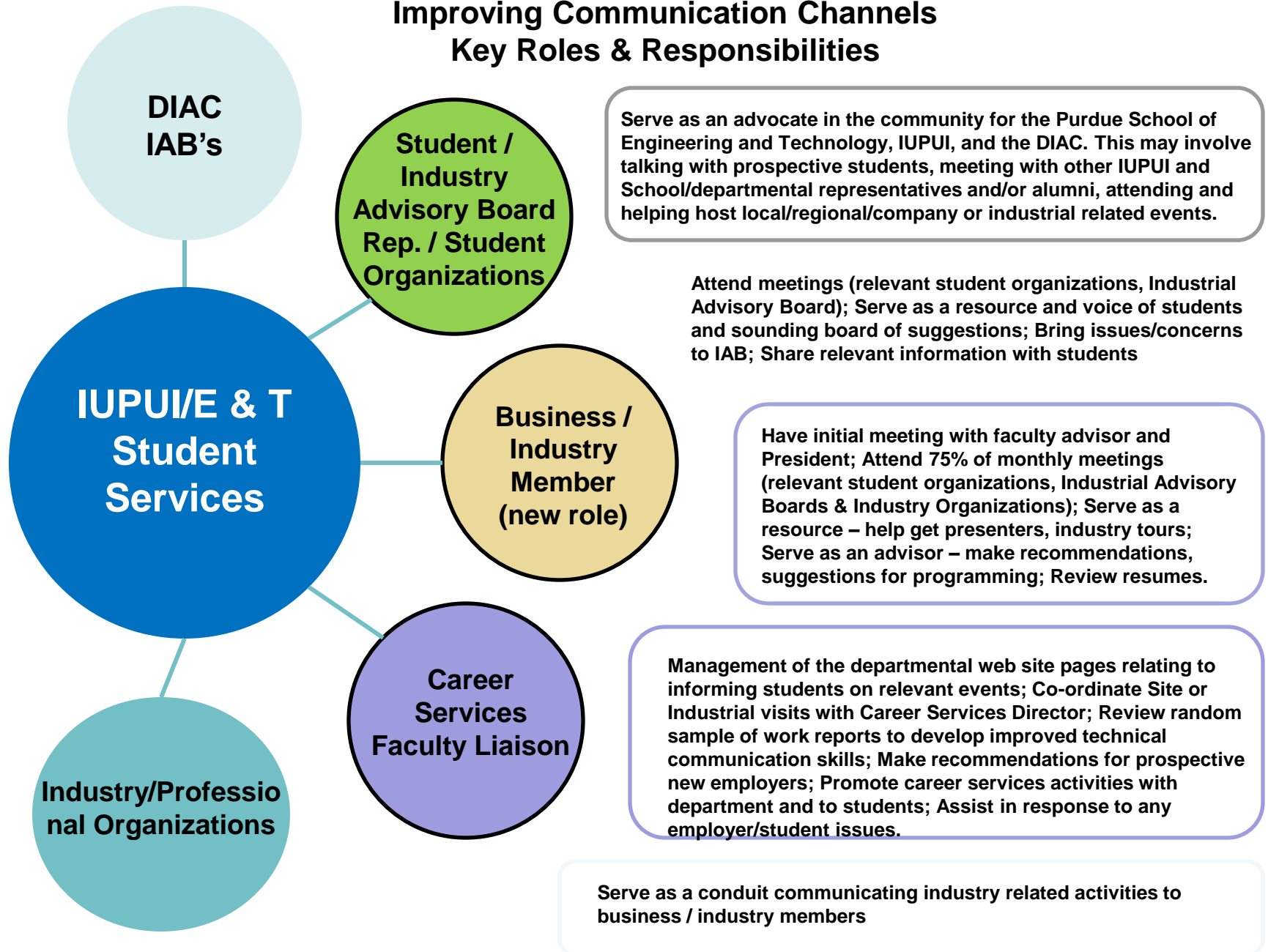
Membership

- Joe Abella – IUPUI Industry Relations
- John Galbraith – United Technologies Climate, Controls, Security
- Dale Jacobs – BSA LifeStructures
- Bill Klenk – Allison Transmission
- Mike Martin - Eli Lilly
- Jill Mendoza – i.d.o. Inc.
- Terri Talbert–Hatch – Asst. Dean Student Services
- Jennifer Williams – Career Services Director
- Bruce Wylam – Hunt Construction

DIAC Student Support Committee

Improving Communication Channels

Key Roles & Responsibilities



Committee Work Plan & Metric (Student Support)

Strategy → Initiative	Task	Measurement
<p>Help Enhance the Student Experience and Support Initiatives such as RISE (Research, International, Service & Experiential Learning) through greater Student-Industry Linkage →</p> <p>Attend Job Fairs with Subject Matter Experts - SS Conduct Mock Interviews – SS Grow Internships & Coops – SS Provide Job Shadowing Opportunities – SS Hold Industry Open Houses & Facility Tours – SS</p>	<p>Design, Develop and Implement the standardized communication process to DIAC Member Companies</p> <p>Provide specific best practice examples that will encourage increased and a more consistent number of opportunities for students</p> <p>Make recommendations to the Dean on appointing Business/Industry Members and Student Industry Advisory Board Representatives to IACs and making Career Services Liaison a specific responsibility of faculty.</p>	<p>Process to be presented at the December 2012 DIAC Meeting.</p> <p>One Best Practice example presented at each DIAC and IAC Meeting.</p> <p>Roles to be discussed with the Dean prior to the September 2012 DIAC Meeting.</p>

Important Dates 2012

- August 30, Thursday: DIAC Meeting, 3:30 – 5:30 p.m.
- September 27, Thursday Afternoon: Alumni Golf Outing
- September 28, Friday: Joint Board of Advisors Retreat, 11:00 a.m. – 4:00 p.m.
- December 6, Thursday: DIAC Meeting, 3:30 – 5:30 p.m.