

**PURDUE SCHOOL OF ENGINEERING AND TECHNOLOGY**  
**Faculty Senate Minutes**  
**February 12, 2008**

Representatives in Attendance: Doug Acheson, Karen Alfrey, Soheli Anwar, Mark Bannatyne, Ed Berbari, Jie Chen, Barb Christie, Dave Dellacca, Mohamed El-Sharkawy, Becky Fitterling, Cliff Goodwin (alternate), Stephen Hundley, Nancy Lamm (alternate), Bill Lin, Razi Nalim, Paul Salama, John Schild, Erdogan Sener, Joy Starks, Jack Zecher

Guests: Hasan Akay, Bill Conrad, Elaine Cooney, Andrew Hsu, Wanda Worley, Dean Yurtseven

Meeting began at 11:05 a.m.

Stephen Hundley asked everyone to look over the agenda and advise him of any changes and/or additions. The agenda was approved and accepted.

Stephen Hundley reminded everyone they should look at the meeting minutes prior to meeting. Copies of the minutes are not distributed at the meeting, but can be found at G:\COMMON\Senate documents in addition to being distributed to all faculty via the E&T Faculty email at least one week prior to each Faculty Senate meeting. A motion was made to accept the December 2007 minutes; all approved.

#### **Administrative Report**

#### **Academic Programs:**

Dr. Yurtseven advised the school had a 0.73% increase in student credit hours and 4.7% increase in student headcount for the spring 2008 semester compared to spring 2007 semester.

The Motorsports Engineering-BS program was approved by Purdue University President and Academic Affairs Committee of Purdue University Trustees meeting on February 7, 2008. The program will now be forwarded to the Indiana Commission on Higher Education for approval.

Dr. Kody Varahramyan, from Louisiana Tech University, is the new Vice Chancellor for Research. He will have a faculty appointment with the Department of Electrical and Computer Engineering.

#### **Faculty News:**

The school received funding from the campus to establish two new signature centers; each center received \$150K for three years with a match of the same amount from the school. The Biomechanics and Biomaterials Center will be directed by Charles Turner (BME) and the Transportation Active Safety Institute will be directed by Yaobin Chen (ECE) and Sarah Koskie (ECE).

Andrew Hsu is Co-PI for \$50K research grant from Purdue University/IU School of Medicine Intercampus Applied Research Program for his proposal. He is working with Arvind Varma from the School of Chemical Engineering at West Lafayette.

Rongrong Chen (ENT), Dong Xie (BME), Andrew Hsu (ME), and Dong Xie (BME), submitted Invention Disclosures to the IU Office of Technology Transfer.

Ghassan Kassab (BME) received a new five year \$1,850,000 R01 research funding from NIH for his proposal.

#### **Staff News:**

Shelly Wallace resigned to pursue a graduate degree.

Vicki Lawrence will now be part of the Student Services Team. The school plans to hire a new CL07 for the Research and Graduate Programs office.

#### **Events:**

The school hosted the Indiana Renewable Energy Forum on January 4, 2008 at the University Place Conference Center. Senator Richard G. Lugar was the guest speaker.

The Engineering and Technology Student Council hosted the Chili Bowl on January 22, 2008. Most of the student organizations participated.

The Interior Design Alumni group met with IUPUI Alumni Office and faculty and administrators from the school at the University Place Hotel.

Natalie Bednar (BSME, 2004) was inducted to the IUPUI Athletics Hall of Fame for her pivotal role and leadership on the IUPUI Women's Tennis Team on February 1, 2008. She also spoke to some of our students at an ASME Student Chapter sponsored event on February 1, 2008.

Our school hosted the Fourth Annual Project Lead the Way Student Conference on February 8, 2008 at the new Campus Center. Over 560 high school students attended the event. Adam Andretti, upcoming race car driver, was the guest speaker.

Our school co-hosted with the School of Science the regional Science Olympiad on February 9, 2008, at the Campus Center.

#### **Space Renovations:**

A Nursing Mothers Station is now available on the first floor of the ET building.

The wall between ET 309 and ET 301 was recently removed, bringing the OLS and CIT programs closer.

Renovation of BME labs in SL is almost complete.

The conversion of second floor classrooms into life sciences labs will start this summer.

The space we vacated in the SL building basement will be converted into classrooms.

The first floor ECE and ME labs in the SL building (169 and 144) will be converted into BME labs this summer.

Our school will take ownership of ET 201 Food Lab from the School of Physical Education. The room will be renovated to expand the Department of Engineering Technology offices.

The seats in ET 202 may be replaced during the late summer and early fall 2008.

### **Additional Information from Dean Yurtseven:**

As a follow up to Purdue President France Cordova's visit, she has invited IUPUI to sit on the committee for the Strategic Planning exercise. Kathy Johnson (Psychology), with the School of Science, will represent both schools. Dr. Yurtseven will keep the school informed as he receives more information.

Dr. Berbari asked how the Motorsports program will proceed if they do not receive money from the state. Dr. Yurtseven advised it would be slow, but they will add courses on an incremental basis. Dr. Yurtseven hopes the ECE, ME, and ENT chairs can collaborate on this program if funding does not become available. Dr. Yurtseven also advised there is no motorsports accreditation at this time through ABET.

*For further details of the Dean's Report see Attachment 1.*

### **Administrative Report from Dean Conrad**

Dean Conrad advised that 260 students made the Dean's list, which is just under 13% of the student body. A student has to have a 3.8 GPA or better and be taking 6.0 or more credit hours to make the Dean's list. The Faculty Senate voted on the Dean's list changes last year.

Dean Conrad reminded Faculty Senate that SIS is going down on Thursday, February 14 and will hopefully be up on Tuesday, February 19 again. This will not impact Oncourse.

### **Budgetary Affairs Committee**

Cliff Goodwin advised Faculty Senate the committee met on February 5<sup>th</sup>. He advised the committee will meet on the 1<sup>st</sup> Tuesday of each month from 11:00-12:00, in case you would like to communicate with the committee prior to their meeting.

Cliff advised all of the members were present for the February 5<sup>th</sup> meeting. The Dean has a budget report/update that he passes along. The school budget worksheet is coming soon. The school's budget must be completed by April 1<sup>st</sup>. There is no word on the President's tax yet. The committee also discussed the school's balance sheet, which is a sheet prepared for the chairs and Budgetary Affairs Committee. This balance sheet is a snapshot of year by year, per department and program (in some cases). The committee wants to make sure this information is accurate. How to interpret the balance sheet is always a little tricky. The school and committee need to decide on how to strategically use the information. It will be important to analyze effectiveness/productivity against income, and be mindful of items that do not generate income. There are some tenure promotion activities that do not generate income and Cliff advised the committee is and will be mindful of this.

Cliff advised there was discussion regarding reinvestment of indirect cost recovery. These costs were kept by the Dean's office this past year. Cliff believes the Dean is planning on reinstating some of this, and returning salary savings. Dr. Yurtseven advised they have not made a decision yet on the indirect costs.

[Razi Nalim pointed out that funded research without overhead does not make a direct contribution to the School budget.](#) John Schild questioned whether some issues were more valued by a chair over the committee. John is trying to understand what the Budgetary Affairs committees' responsibilities are. John feels some items Cliff has mentioned should be directed more towards the chair. Cliff advised he will look at the constitution and bylaws to see what the charge of the committee is and what items the committee should be in charge of.

Mohamed El-Sharkawy reminded Faculty Senate from a budget point of view most of our budget comes from teaching; not from research. The committee is not trying to force any issues, but needs to get the point across, the budget is from teaching.

### **Computing Resources Committee**

Hasan Akay advised there are two subcommittees under the Computing Resources Committee. One committee is working on the life cycle replacement guidelines for CNC, which involves upgrading faculty and staff computers, and teaching labs. The other committee is looking at the feasibility of a centralized server system. UITS is planning to change teaching labs to Vista this summer; for the fall semester UITS labs will offer Vista. CNC will update computers to Vista on a gradual manner; for now XP will continue to be on the computers.

Hasan advised in relation to scheduling experimental labs, which are shared by more than one department CNC will schedule experimental labs as well as teaching labs. CNC is urging departments to go through CNC to comply with this request.

Barb Christe is the liaison for Oncourse for campus. Hasan has received about 10-15 items that will be revised or upgraded on Oncourse. One of the priorities for the next few months is to completely change the assignment tool on Oncourse. There are no other major upgrades planned at this time.

The Design and Communication Technology Department is moving forward with the student laptop program. Dean Yurtseven, Mark Bannatyne and Bill Lin were present at the last E&T Student Council meeting. There are both disadvantages and advantages of this new program; other departments may begin this process also. Doug Acheson reminded everyone the laptop program is a pilot program. There are student rumors, making some students nervous. Mark advised he spoke with Student Council, and if you know of any students with questions or concerns regarding the laptop program to see Mark directly. Mark prefers to not put something out on the website, and prefers students to see him directly with any questions. Bill advised he could put something on the school website.

Hasan advised that UITS is launching a new email system for the students. Students can use a Google or Microsoft system, rather than the IUPUI supported webmail system; however, it will still have the same look as the current student IUPUI email. There are agreements with G mail and Microsoft; these companies are offering services to universities free of charge, and students can keep the email when they leave the university. Sohel Anwar questioned if there was any discussion on making the faculty space larger since UITS would no longer handle the student email space, but UITS is apparently retiring the student system. Thus this will not affect the faculty email quota at this time. Hasan reminded all that the faculty/staff email quotas recently increased from 100 KB to 525 KB, which is a major upgrade.

Hasan also serves on the IUPUI Technology Committee, along with Barbara Christe. During the last meeting, Mark Bruhn, AVP for Information and Infrastructure Assurance, and Bob True, IUPUI Police Department, reported to the committee on the Emergency Notification System (IU Notify). The system has been set up, but for it to be effective everyone should register their cell or text phone numbers into the system. The notification system can be accessed through Onestart; only 37% of the population has registered for this service so far. All faculty are encouraged to register their contact information and remind their students to do the same by going to the IU Notify page on Onestart.

**Constitution and Bylaws Committee** – No Report

**Graduate Education Committee** – No Report

## Grievance Board – No Report

### Faculty Affairs Committee

The Faculty Affairs Committee did not have a report; however, Elaine Cooney requested the members of the Faculty Affairs Committee be listed so faculty can contact the members with comments on the mentoring document and what ranks are considered faculty.

### Faculty Affairs Committee (2007-2008 Chair indicated with a \*):

(One faculty member elected by each department and one elected from the combined programs)

<b>BME</b>	<b>Hiroki Yokota</b>
<b>ECE</b>	<b>Stephen Kim</b>
<b>ENT</b>	<b>Elaine Cooney*</b>
<b>ME</b>	<b>Hazim El-Mounayri</b>
<b>CILT</b>	<b>Cliff Goodwin</b>
<b>ENGR/TECH</b>	<b>Nancy Lamm</b>
<b>DCT</b>	<b>Mary Ann Frank</b>

### Nominations Committee

Doug Acheson advised nominations were coming up. Doug advised during the February Nominations Committee meeting they discussed the nomination process and changes on representation. The following information was discussed and agreed upon:

CILT – between OLS and CIT there are 17 full time faculty members; they should now have 5 faculty representatives – increase by 1

DCT – no change

BME – 10 faculty members; should have 3 senate members, no change

ENT – 17 faculty members; should have 5 senate members, no change

ME – 10 faculty members (11 now according to Hasan); should have 3 senate members, no change  
Freshman Engineering and Freshman Technology – Will have 1 senate member to represent both areas.

Doug advised CILT is the only change for now. Prior to voting the committee will look at the numbers and report during the April 4<sup>th</sup> meeting. The timeline for the nomination process is as follows:

- Nominations will open Mar 17-28th, immediately following school break
- Voting will take place April 14-25<sup>th</sup>
- May 2<sup>nd</sup> will discuss
- May 13<sup>th</sup> will elect chairs for next year.

Doug asked Faculty Senate to remind faculty that all programs and all representatives are on the G drive in the Senate folder. Elaine Cooney asked if the Nominations Committee was fairly confident of the faculty appointments. Doug advised he sent a lengthy email to representatives to make sure everyone is faculty on his list. Stephen Hundley asked that the committee makes sure everyone is classified as faculty correctly.

### Resource Policy Committee

Mark Bannatyne advised the committee meets occasionally as necessary; they recently met and established guidelines for the Trustee Teaching award and March 3<sup>rd</sup> is the deadline for nominations.

## **Student Affairs Committee** - No Report

### **Undergraduate Education Committee**

Karen Alfrey advised the committee is bringing two courses from MET to Faculty Senate for approval, for a CAD certificate program.

MET 205 is a new course to campus, adopting a current number from Purdue Calumet, this is the last part of the CAD certificate that came through the committee last month.

MET 328 is a current course that is part of the CAD certificate, however MET is changing the pre-requisites to allow more students to be able to take the course.

There were questions regarding CGT 110 and a new course Tech 104. MET will own these courses according to Doug Acheson. MET will own both Tech 104 and Tech 105 (Tech 105 is now required for all ENT students). Tech 105 is a dept wide course. Bill Conrad advised Tech credit hours do not go to individual departments. Mark Bannatyne has approved the Tech 104 course. Bill wants to make sure everyone is aware that the department may not get credit for the Tech courses.

### **Faculty Senate unanimously approved MET 205, Production Drawing and CAD II**

The course request document can also be found under: G:\COMMON\\_Senate documents\February 2008 Documents.

### **Faculty Senate unanimously approved MET 328, CAD/CAM for Mechanical Design**

The course request document can also be found under: G:\COMMON\\_Senate documents\February 2008 Documents.

There is discussion currently on the probation and dismissal policy; please advise Karen or any committee members of the Undergraduate Education Committee if you have any thoughts on the current Probation and Dismissal Policy.

### **IUPUI Faculty Council**

Ed Berbari advised he was unable to attend the January IUPUI Faculty Council meeting. Please see the minutes for the January meeting on the Faculty Council website at [www.iupui.edu/~fcouncil](http://www.iupui.edu/~fcouncil).

Ed advised he did attend the February 5<sup>th</sup> IUPUI Faculty Council meeting. Ron Hunter, IUPUI Basketball Coach, was honored on behalf of the IUPUI Athletics Committee. Ron Hunter gained national notoriety for collecting tennis shoes for Samaritan's Feet, an organization which collects shoes for impoverished children in the U.S. and around the world. Over 200,000 pairs of shoes were collected.

Chancellor Bantz's wife, Sandra Petronio, gave a presentation on Translating Research Into Practice (TRIP). She is inviting faculty to enter their research to both identify IUPUI's translational scholars and recognize their work. You can find out more about presenting your research at [www.trip.iupui.edu](http://www.trip.iupui.edu).

A large part of the meeting was devoted to a presentation from Stanley G. Jones, the commissioner for the Indiana Commission for Higher Education. Ed advised Dr. Yurtseven or Dr. Akay may have more information. Dr. Akay did advise he feels IUPUI is shortchanged in discussions pertaining to research.

The reports mention Bloomington or West Lafayette, but give little notice to IUPUI. The chair of the Higher Education Committee advised they have been struggling with this issue for many years. Hasan advised if anyone has friends, or knows anyone in the legislature to please promote IUPUI and research. **Please see the document “strategic directions final as approved 06-08-2007 w technical corrections” under the G:\COMMON\\_Senate documents\February 2008 Documents** for further details regarding the Education Commission’s Strategic Directions.

Bart Ng was named the acting Dean of the School of Science, effective April 1, 2008.

*For details on the above information and all other IUPUI Faculty Council meeting notes, please look at their website: [www.iupui.edu/~fcouncil](http://www.iupui.edu/~fcouncil).*

### **IUPUI Graduate Affairs**

Andrew Hsu advised the Purdue Graduate Council approved the 5 year MS/BS ECE program; formally approved by Purdue, President Provost has signed off on the degree. We now formally have a 5 year ECE degree.

Charles Feldhaus has replaced Eugenia Fernandez as the chair of Graduate Technology Programs.

Andrew advised the school has received \$142,000 block grant from campus to support graduate students. The block grant has been growing for our school for about 3 years. The main reason is that we have started two new Ph.D. programs and one new masters program, and campus has honored increased requests considering the new programs.

Razi Nalim reflected on the growth of the graduate programs overall. The school is allowed to ask up to 10% more per year. The graduate programs are growing, which contributes to the grant amounts. Research is also important, the block grant comes from indirect costs...currently talking to technology program; wants to apply for thesis program.

**Purdue Intercampus Faculty** – No Report

**Purdue Technology Senate** – No Report

**Purdue Faculty Senate** – No Report

**Purdue Graduate Council** – No Report

**Old Business** – No Report

### **New Business**

#### *Assessment/Testing Discussion*

Elaine Cooney reported that our assessment committee is working on our school’s response to the campus PUL initiative “Updating the 2000 Institutional Portrait.” There is movement around the country to use standardized tests to evaluate schools, but IUPUI’s response has been to look at PUL’s. Our school will need to do a better job communicating in terms of PUL’s rather than only using ABET a-k.

Ed Berbari mentioned new requirements being discussed among schools are IU requirements. The Purdue programs are not governed by IU...IU has no control over our program. Elaine Cooney is not sure how

Purdue is looking at this. Elaine feels we need to be clearer with our mapping. Ed feels they cannot put a requirement on our students. Elaine pointed out that accreditation is a campus responsibility, and is coordinated by IUPUI. Razi questioned the standardized tests. These tests take a sampling of students and this is how they rank universities, similar to what is done in Europe; current administration is looking to raise our name in US News and World Report.

Elaine reminded everyone to connect with your assessment committee representative to submit reports so we do not have to have standardized tests for our students.

*Miscellaneous*

Stephen Hundley advised David Bostwick passed away in January; Faculty Senate will have a memorial resolution at the March meeting.

Stephen reminded Faculty Senate there are two staff awards for E&T staff; please nominate a staff member for the E&T Outstanding Staff award or E&T Staff Spirit award.

The meeting ended at 12:30 p.m. The next Faculty Senate meeting will be Tuesday, March 18, 2008, 11:00 a.m. in SL 165.

## Dean's Report for February 12, 2008 Faculty Senate Meeting

### Academic Programs

- The spring 2008 semester enrollment resulted in 0.73 percent increase in student credit hours and 4.7% increase in student headcount as compared to spring 2007.
- Our Motorsports Engineering-BS program was approved by Purdue University President France Cordova and by the Academic Affairs Committee of the Purdue University Trustees meeting on February 7, 2008. The next step is the approval by the Indiana Commission on Higher Education.
- The newly appointed Vice Chancellor for Research is Dr. Kody Varahramyan from Louisiana Tech University. He will have a faculty appointment with the Department of Electrical and Computer Engineering.

### Faculty News

- We received funding from the campus to establish two new signature centers. Biomechanics and Biomaterials center will be directed by Charles Turner (BME) and the Transportation Active Safety Institute is directed by Yaobin Chen (ECE) and Sarah Koskie (ECE). Each center received funding for \$150K for three years with a match of same amount from the school.
- Andrew Hsu is Co-PI for \$50K research grant from Purdue University/ IU School of Medicine Intercampus Applied Research Program with his proposal, Hydrogen Fuel Cell Power Systems for Portable Applications. His counter part at WL is Arvind Varma from the School of Chemical Engineering.
- Rongrong Chen (ENT), Dong Xie (BME), and Andrew Hsu (ME) submitted Invention Disclosures "Improvement of Proton Exchange Membranes by Addition of Sulfonated Super Porous Polystyrene Particles" and "Functionalization and Membrane {reparation of Polyimides and/or Polyethers for Alkaline Anion Exchange" to IU Office of Technology Transfer.
- Dong Xie (BME) submitted Invention Disclosures "Synthesis and Application of Novel Star-shape poly (carboxylic)s via Multi-arm Chain Transfer Agents for Improved Glass-ionomer Cements", "Novel Surface-modified Nanoparticles for Improved Wear-resistance and Translucency of Glass Ionomer System", and Novel Bioactive High-strength Glass-ionomer system for Therapeutic Applications in Restorative Dentistry and Orthopedics" to the IU Office of Technology Transfer.
- Ghassan Kassab (BME) received new five year \$1,850,000 R01 research funding from NIH for his proposal, "The Role of Shear Stress in Heart Failure".

### Staff News

- Shelly Wallace resigned to pursue a graduate degree.
- Vickie Lawrence will now be part of the Student Services team. We are planning to hire a new CL07 for the Research and Graduate Programs office.

### Events

- Our school hosted Indiana Renewable Energy Forum on January 4, 2008 at the University Place Conference Center. Well attended meeting hosted Senator Richard G. Lugar as the guest speaker.
- Engineering and Technology Student Council organized Chili Bowl on January 22, 2008 on the second floor of ET Building. Most of the student organizations participated.
- Interior Design Alumni group met at University Place Hotel with participation by IUPUI Alumni Office and faculty and administrators from the school.
- Natalie Bednar (BSME, 2004) was inducted to IUPUI Athletics Hall of Fame for her pivotal role and leadership on the IUPUI Women's Tennis Team. She was recognized at the banquet on February 1, 2008. She also took time to talk to our students at the ASME Student Chapter sponsored event during noon time the same day.
- Our school hosted the Fourth Annual Project Lead the Way Student Conference on February 8, 2008 at the new Campus Center. Over 560 high school students from different school systems

## **Attachment 1 – Administrative Report From Dean Yurtseven**

participated and the guest speaker was Adam Andretti, upcoming racecar driver from the well known racing tradition of Andrettie family.

- Our school co-hosted with the School of Science the regional Science Olympiad on February 9, 2008 at the Campus Center.

### **Space Renovations**

- We have Nursing Mothers Station on the first floor of ET Building.
- ET 309 area will soon have an open look bringing the OLS and CIT programs closer.
- Renovation of BME labs in SL Building is almost complete.
- Conversion of second floor classrooms into life sciences labs will start this summer.
- The space that we vacated in SL Building basement will be converted into classroom block.
- In the SL Building, the first floor ECE and ME labs (169 and 144) will be converted into BME labs starting next summer.
- Our school will take ownership of ET 201 Food Lab from the School of Physical Education and renovate it to expand the Department of Engineering Technology office area.
- The seats in ET 202 may be replaced during late summer and early fall 2008.