

**PURDUE SCHOOL OF ENGINEERING AND TECHNOLOGY**  
**Faculty Senate Minutes**  
**May 9, 2006**

Representatives in Attendance: Hasan Akay (alternate), Sohel Anwar, Mark Bannatyne (alternate), Jim Brown, Sally Catlin, Barb Christe, Gabe Chu, Russ Eberhart (alternate), Eugenia Fernandez (alternate), Nancy Lamm, Tim Price, Paul Salama, John Schild, Jack Zecher

Guest: Doug Acheson, Ed Berbari, Andrew Hsu, Stephen Hundley, Ken Rennels, Dean Yurtseven

Meeting began at 11:00 a.m.

The April 2006 minutes were displayed for a few minutes and were approved by Barb Christe and all in attendance. John Schild requested beginning in the fall that everyone read the minutes prior to attending the meeting so they could be approved promptly at the beginning of each meeting. Copies of the minutes are not distributed at the meeting, but can be found at G\COMMON\Senate documents.

Faculty Senate members approved the agenda for the meeting.

**Administration Report**

Dean Yurtseven presented the Administration Report (*Attachment 1*).

**Academic Programs:**

A proposal for the Biomedical Engineering Technology (BS) program will be presented for approval at the Indiana Commission on Higher Education on May 12, 2006.

Our school will award 217 AS degrees and 321 BS degrees in technology programs. In engineering the degree distribution is 8 BSE, 9 BSCpE, 44 BSEE, 38 BSME, 7 MSBME, 35 MSECE, 13 MSME, and 1 MSE. There will also be 105 certificates awarded.

**Faculty and Staff News:**

Jim Brown, with ECET, received an IUPUI Jump Start grant to develop online course.

Wei Wang, with ECE, and Brian King, with ECE, submitted software disclosure to the IUPUI Office of Technology Transfer.

Stephen Hundley, with OLS, received \$1,000 funding from Purdue Research Foundation (PRF) International Travel Grant to present a paper in Brisbane, Australia.

Jan Cowan, with DST, received \$1,000 funding PRF International Travel Grant to present a paper in Bukit Tinggi, Indonesia.

Maher Rizkalla, with ECE, submitted invention disclosure to the IUPUI Office of Technology Transfer.

### **2006-09 School Strategic Plan:**

The 2006-09 Strategic Plan of the School has been drafted and revised several times and the most recent version is located on the G drive under G:/Common/StrategicPlan. The proposed plan will be an agenda item at the September 2006 Faculty Senate meeting.

### **Division of Labor Studies:**

The school has decided not to pursue the issue of the merger with the Division of Labor Studies after meeting on March 22. The decision was based on feedback from several faculty, administrators, and staff members in the school.

### **Events:**

The 32<sup>nd</sup> Annual Bepko Honors Convocation was held on April 21 at the Crowne Plaza Hotel. The school recognized 147 students through awards and scholarships. Chancellor Emeritus Gerald L. Bepko attended and offered remarks. Rob Wolter was the Master of Ceremonies. Various staff and faculty members also received awards.

The IUPUI Spirit of Philanthropy Luncheon was held on April 27<sup>th</sup>. The school recognized Aramark Corporation for their \$100,000 grant to the BMET program and Gene Hunt and Becky Mohr who generously endowed student scholarships to the school. Gene Hunt is an ECET graduate and currently serves on the school alumni board.

The Chancellor's Honors Convocation was held on April 28<sup>th</sup>. Jeff Haight (MET) was the Chancellor's Scholar (4.0 GPA) from our school who will graduate with the highest cumulative GPA among our students.

Charles Yokomoto (ECE) who has been with IUPUI for 36 years and Bob Orr (CIT) who has been with IUPUI for 21 years retired this May. Family members, friends and colleagues, from IUPUI, Bloomington, Butler and Purdue attended their retirement party on May 5<sup>th</sup>. Both Charlie and Bob have endowed scholarships with the school.

On a final note, Dr. Yurtseven advised salary letters will be distributed early June.

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

### **Administration Report from Dean Rennels**

### **Fall Enrollment Numbers:**

Ken advised on the Fall enrollment status as of Sunday, May 5<sup>th</sup>. Applications have increased from the previous fall semester. Beginning first time freshman admissions have also increased since this time last fall. There is concern regarding the enrollment numbers for our school. The sophomore level is down around 20%. The Dean's office will be having weekly meetings with the chairs beginning next week to discuss ways to possibly increase the fall numbers. Enrollment numbers affect budget numbers. Ken advised his office and the school will be active over the summer to get the numbers up.

### **Online Instructor and Course Evaluations:**

2004 was the first year the school did 100% online evaluations and we now have 3 years of data. Some courses in ME and CIT had to do paper evaluations due to errors with the courses and their classifications such as lab or lecture. Most departments increased in participation of evaluations. Ken advised personal contact helps tremendously, some administrative staff called their students to encourage participation. The evaluation information will be distributed after grades are turned in.

### **IUPUI Commencement May 14<sup>th</sup>**

The School of Engineering and Technology will recognize 693 degree candidates. Ken advised the AS degrees are decreasing, which is fine since the state would like IUPUI to de-emphasize AS degrees. BS and MS degrees are increasing. Senate responsibility is to approve students to receive diplomas. Dean Rennels presented the list of degree candidates and requested approval from the Faculty Senate of the 2006 graduate candidates, all approved.

*For further details of the Administration Report see Attachment 2.*

Constitution and Bylaws Committee – No Report

Graduate Education Committee

Mark Bannatyne advised he received an application for the course, ME 507, Automotive Control. The Graduate Education Committee approved the course and is now submitting to Faculty Senate for further approval. This will be offered state wide, and a formal course number would help the process.

Barb Christe questioned the course and course description. Mark advised this is an existing class and was offered last fall for the first time. Typically a department would offer a course 2+ times prior to asking for permanent number, but West Lafayette wants to use the course also. Barb asked how it would go through all the channels of approval by June 8<sup>th</sup> to use for a fall course. John Schild passed the course information around for Faculty Senate to look at.

**Faculty Senate approved ME 507, Automotive Control;** the paperwork will be forwarded to Valerie Lim Diemer.

Student Affairs Committee – No Report

## Budgetary Affairs Committee – No Report

### Nominations Committee

Doug Acheson advised the online nominations system is dependent on correct and up-to-date information in the human relations database. There was a need to re-vote this year after realizing the information was incorrect. Stephen Hundley asked how frequently this problem has occurred. Doug advised that this has been a recurring problem but this was the first time there was a need for a re-vote.

Eugenia Fernandez suggested someone could proof the ballots prior to voting. Doug feels the database should be correct and does not have access to faculty employment data. John Schild suggested the nominations committee should possibly check with the Dean's office prior to nominations coming out. Dr. Yurtseven will check with those in the Dean's office associated with the database to make sure it is updated on a regular basis. Dr. Yurtseven acknowledged that the responsibility for maintaining an accurate database resides in the Dean's office.

The course evaluations were mentioned. Faculty are reminded when evaluations are coming out. Lecture courses are evaluated only, lab courses are not. Eugenia was advised by the registrar to note certain courses as "lab" courses, and this was a problem with course evaluation information. Dean Rennels will check on this prior to the next semester evaluations and as usual, send out a notification to each department to check the accuracy of the list. Departments / Programs are responsible to indicate if they have any need for lab, independent study or special courses that are in need of evaluation. Once the course evaluation process begins, additional courses CANNOT be added to the system.

Doug advised there is an issue of replacements for departmentally appointed committees with some concern over representatives being switched in the middle of the year. The new Design Technology Program does not have a representative. This was reallocated. Doug advised changes can be made in the middle of the year since these are not elected committees. There was some question on programs; Freshman Engineering, TCM and Design Technology are considered one unit. Doug advised Emily McLaughlin is the nominating representative for DST/FE/TCM and would be responsible for nominating a representative for these programs. Is this something Faculty Senate needs to address, does it need to be changed in the bylaws? Barb Christe questioned what the bylaws state regarding this issue. John displayed information from the bylaws, "Programs will be combined as one entity," according to the bylaws. There may be a need for each program to have a representative, since the programs might be growing.

With regard to another issue, Mark Bannatyne questioned how often Faculty Senate looks at faculty numbers for representation on Faculty Senate. Hasan Akay advised the dean's office comes out with a list. Faculty Senate advised nominations committee should look at these numbers on an annual basis to know if a department loses or gains any faculty of which Faculty Senate representative numbers may be affected. The bylaws were referenced and it was confirmed that the nominations committee will check department faculty numbers annually on February 1.

## Resources Policy Committee – No Report

### Undergraduate Education Committee

Minutes from the April 26, 2006, Undergraduate Education Committee meeting were distributed. Barb Christie advised there were five (5) existing courses from West Lafayette that IUPUI would like to offer. The courses are:

ECE 364 Software Engineering Tools Laboratory  
ECE 437 Computer Design and Prototyping  
ECE 461 Software Engineering  
ECE 462 Objected Oriented Programming Using C++ and Java  
ECE 463 Introduction to Computer Communication Networks

These courses were unanimously approved by the Undergraduate Education Committee. Mark Bannatyne asked if Purdue had to approve IUPUI adding these courses. Mark has had other schools deny his request to teach courses in our school. Ken advised courses would go through proper channels and as long as we say we are teaching the basic course this should be fine.

### **Faculty Senate approved the above ECE courses.**

Barb advised there is a degree title change for the CNT department. UEC discussed these changes with Construction Technology; however Faculty Senate had some concerns regarding the title of “Construction and Management and Engineering Technology”. Faculty Senate disapproved of the proposed title change. John Schild sent the matter back to the Undergraduate Education Committee for further consideration and discussion with the CNT Department. John Schild suggested that as soon as the matter is resolved in the Undergraduate Education Committee it could be returned to the Senate for consideration.

Barb also advised courses from CNT (CNT 120, CNT 125, CNT 215) and OLS (OLS 323) were tabled for further discussion during their April meeting.

### Computer Resources Committee

Dr. Akay advised the Computer Resources Committee is the only committee that has full representation from all programs/departments. The committee met on May 5<sup>th</sup> and discussed three agenda items. The committee is still discussing the student laptop program. They are looking at some models and have invited a local software company, Dyknow, to discuss what features or capabilities could be added to classroom teaching if students have their own laptop. Hasan advised Dyknow has developed some instructional software such as collaborative note taking and class interaction. Jack Zecher asked about the possible economic impact with regards to students having their own laptops and if this might eliminate some lab usage. There could be quite a few benefits to the school, but questioning impact on students. John asked if the committee would offer a meeting on this topic and invite all interested faculty. Hasan advised they could do that.

The committee invited Terri Talbert-Hatch to discuss the policies and procedures with regard to website maintenance and website development. Terri is responsible for updating and maintaining the website. She advised the committee about the procedures; however there are no policies set up. The school has designed web pages for each department and each page has a similar look. After discussion with Terri the committee recommended and suggested the departments should be responsible for accuracy and correctness of their web pages; and any changes in web page content needs to be given to the dean's office. The committee also emphasized there should be a uniform appearance for the first and second pages and this should be maintained as much as possible. The committee will continue to work on this issue next year and will have more defined procedures outlined.

Bill Lin also attended the May 5<sup>th</sup> meeting and reported on the CNC lab move into the basement. Bill emphasized that CNC should have received the new software requests from departments by April 15<sup>th</sup>. Make your requests known to CNC as early as possible, even though the deadline has already passed. John asked the departments to be proactive on this.

#### Faculty Affairs Committee – No Report

#### IUPUI Faculty Council

Ed Berbari advised IUPUI Faculty Council met on May 2<sup>nd</sup>.

Chancellor Bantz made some remarks.

Senior administrative reviews are being completed.

Ed advised the council discussed the process of CTE funds.

The budget is still evolving.

Bill Plater reported that enrollment for the campus is down a bit, but applications are up. Bill Plater was presented the Gerald L. Bepko Outstanding Administrator Award; Bill is stepping down from his current position.

Faculty Affairs presented a proposal for Revision of Grievance Procedure for Designated Academic Appointees and a proposal for Representation of full time non-tenure-track faculty on the IUPUI Faculty Council. Both proposals passed.

Bart Ng provided updates on the Annual Report on Board of Review Activity, Annual Report on Athletics and presented the meeting dates for 2006-07. Bart also discussed the integrated image Policy; IU can use Indiana University, but other campuses have to qualify themselves.

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).

Grievance Board – No Report

PWL Faculty Senate

**April 17, 2006 Meeting of the Purdue, West Lafayette, Senate**

*Report by S.S. Krishnan (Department of Mechanical Engineering, IUPUI)*

Minutes of the last meeting are available at [www.purdue.edu/usenate](http://www.purdue.edu/usenate)

The meeting started with remarks by President Jischke reporting to the faculty on the University's achievements. The Vice Chair, Bernard Tao stood in for the Chairperson, Tim Skvarenina who was unable to make it.

1. The Chairperson's report included an announcement about the fact that Purdue University Calumet will be offering BSME and BSCE courses from hereon.
2. Some changes to the Senate Bylaws which included the addition of the Past Chair as an ex-officio member of the Senate and member of the Advisory Committee to ensure continuity.
3. There was some discussion of the change of name of the Superior Students Committee to Committee for Student Excellence. Some changes were made to the Mission and activities of the Committee to bring it up to date.
4. Under 'Resume of Items Considered', there was some discussion on the times of Spring Break and how these affected the effectiveness of teaching some courses and a need to revisit this.
5. There was a detailed report by the Athletic Affairs Committee by Prof. Graveel on the academic performance of student athletes and how they compared to the national average among student athletes.
6. Proposed nominees for the next year for the different committees were announced. Some new members were introduced.
7. Memorial resolutions were made and a moment of silence was observed for the ex-colleagues who have passed on.

Purdue Intercampus Faculty – No Report

Purdue Technology Senate – No Report

Old Business – No Report

New Business

Dr. Andrew Hsu, Associate Dean for Research, presented a proposal to Faculty Senate to form a standing Committee for Research. Research is high on the priority list and is part of the strategic plan for the school. Andrew would like incentives for faculty that do research. Andrew feels the school needs a formal research committee. There was a motion to discuss establishing a research committee. Someone questioned the description of the committee; Hasan advised it is more descriptive than some other committee descriptions. This proposal has been assigned to the Constitution and Bylaws Committee, who in turn will formalize the proposal and return to the Senate for discussion and possible vote for approval.

### **Proposal put forth by Dr. Andrew Hsu, Assoc. Dean for Research**

#### **Establishment of School Research Committee**

I hereby put forward a motion to the Faculty Senate to discuss the feasibility and merit in establishing a School Research Committee under the Senate umbrella. Many research related issues need faculty input and advice and can be addressed by a formal committee. The responsibilities of the Research Committee may include (Senate can decide what is appropriate):

- (1) Advise the Dean on research related issues
- (2) Help develop School strategic plan for research
- (3) Help School establish research related policies
- (4) Serve as a conduit between School and department faculties on research related issues
- (5) IUPUI RSFG grant internal review
- (6) IUPUI block grant distribution
- (7) Purdue Summer Faculty Grant and International Travel Grant Review

Representatives (1 per department) may be elected by department faculties, or appointed by department chairs or the dean, or a combination of all of the above. Members should be those who are currently active in research or have an interest in becoming active in research and are familiar with issues that concern researchers in the departments.

The meeting ended at 1:00 p.m.; the next meeting will be on Tuesday, September 12, 2006, 11:00 a.m. in SL 165.

## *Attachment 1*

### **Dean's Report for May 9, 2006 Faculty Senate Meeting**

#### **Academic Programs**

- Biomedical Engineering Technology (BS) program proposal is on the Indiana Commission on Higher Education agenda for approval at its May 12, 2006 meeting.
- Our school will award 217 AS degrees and 321 BS degrees in technology programs. In engineering the degree distribution is 8 BSE, 9 BSCpE, 44 BSEE, 38 BSME, 7 MSBME, 35 MSECE, 13 MSME, and 1 MSE. We will also award 105 Certificates.

#### **Faculty and Staff News**

- Jim Brown (ECET) received IUPUI Jump Start grant to develop online ethics course ECET 493.
- Wei Wang (ECE) and Brian King (ECE) submitted software disclosure for "Fault Resistant Algorithm for Smart Card Application" to the IUPUI Office of Technology Transfer.
- Stephen Hundley (OLS) received \$1,000 Purdue Research Foundation (PRF) International Travel Grant to present a paper at the World Association of Case Method Research and Application in Brisbane, Australia.
- Jan Cowan (DST) received \$1,000 PRF International Travel Grant to present a paper at the Environment Challenges of Service Industries in Asia Pacific Conference in Bukit Tinggi, Indonesia.
- Maher Rizkalla (ECE) submitted invention disclosure, "Inexpensive method of fixing radiation damage in FFGA circuits" (06209,) and "NovelAsk Architecture" to the IUPUI Office of Technology Transfer.

#### **2006-09 School Strategic Plan**

- The 2006-09 Strategic Plan of the School has been drafted and revised several times based on the comments from department faculty and chairs, directors, and deans. The most recent version is located in the G drive of the school computer server. The four documents may be accessed at G:/Common/StrategicPlan. The proposed plan will be an agenda item at the September 2006 Faculty Senate meeting.

#### **Division of Labor Studies**

- After our second meeting with the faculty and administration of the Division on March 22, we have decided not to pursue the issue of merger based on the feedback from several faculty, administrators, and staff members in the school.

#### **Events**

- Our 32<sup>nd</sup> Annual Bepko Honors Convocation was held on April 21 at the Crowne Plaza Hotel with over 420 guests attending. We recognized 147 of our students through departmental awards and scholarships. Chancellor Emeritus Gerald L. Bepko attended

and offered remarks. Master of Ceremonies was again Rob Wolter. The following staff and faculty members received the indicated awards:

Lucille Payton Outstanding Staff Award:	Betty Klein
Staff Spirit Award:	Kelly Keelen
Staff Scholarship Award:	Betty Klein
Doris H. Merritt Outstanding Leadership Award:	Bill Conrad
Frank E. Burley Distinguished Professor Award:	Barbara Christe
Abraham M. Max Distinguished Professor Award:	Charles Turner
Outstanding Teaching Award:	Elaine Cooney
Wisner-Stoelk Outstanding Faculty Award:	Patrick Gee
Trustees Teaching Awards:	Jie Chen
	Charles Feldhaus
	Laura Lucas
	Joy Starks
	Rob Wolter
Outstanding Associate Faculty Awards:	Chong Cha
	Steven Oschman

- IUPUI Spirit of Philanthropy Luncheon was held on April 27. Our school recognized Aramark Corporation for their \$100,000 grant to BMET program and Gene Hunt and Becky Mohr who generously endowed student scholarship in the school. Gene Hunt is our ECET graduate and he currently serves on the school Alumni Board.
- Chancellor's Honors Convocation was held on April 28. Jeff Haight (MET) was the Chancellor's Scholar from our school who will graduate with the highest cumulative grade point average among our students.
- Two of our senior and distinguished faculty members will be retiring at the end of this academic year. Charles Yokomoto (ECE) has been with IUPUI for 36 years and Bob Orr (CIT) has been with IUPUI for 21 years. Family members, friends, and colleagues from IUPUI, Bloomington, Butler, and Purdue joined to celebrate their accomplishments at a retirement party on May 5.

**Attachment 2**

Undergraduate Programs Report for Faculty Senate  
May 9, 2006

Fall 2006 Enrollment Report

☐ Applicants (5/7/2006 data)	EGTC	IUPUI
• Beginning Freshmen including UCOL	+ 45.3%	+ 13.3%
• All Undergraduate including UCOL	+ 28.2%	+ 12.0%
• Graduate	+ 33.0%	+ 10.3%
☐ Admissions (5/7/2006 data)		
• Beginning Freshmen including UCOL	+ 12.9%	+ 4.8%
• All Undergraduate including UCOL	+ 1.9%	+ 2.9%
• Graduate	+ 35.5%	+ 46.1%
☐ Enrollment (5/7/2006 data)		
• Credit hours	- 12.0%	- 1.2%
• Headcount	- 9.2%	- 4.0%

On-Line Instructor and Course Evaluations

On-Line evaluation system was available from Monday April 17<sup>th</sup> through Monday May 1<sup>st</sup> (midnight). The response rate increased 8% compared to spring 2005 during which the evaluation system remained available through finals week.

Department	Response Rates		
	Spring 2004	Spring 2005	Spring 2006
BME	42.31%	29.03%	97.62%
CIT	64.60%	59.14%	54.42%
CNT	51.75%	52.63%	45.70%
ECE	28.52%	27.95%	47.95%
ECET	60.65%	53.52%	63.99%
ENGR	49.08%	51.45%	59.48%
ME	49.10%	34.56%	45.67%
MET	46.08%	40.87%	52.57%
OLS	48.03%	45.07%	56.14%
TCM	50.38%	58.75%	61.60%
TECH	53.85%	40.91%	65.38%
School	52.84%	48.86%	52.91%

IUPUI Commencement May 14<sup>th</sup>

IUPUI will recognize approximately 5,600 graduates at the Sunday May 14<sup>th</sup> ceremony. The School of Engineering and Technology will recognize 693 degree candidates and graduates as follows:

	2005	2006	Change	%Change
AS Technology	255	217	-38	-14.9%
BS Technology	289	321	32	11.1%
BS Engineering	6	8	2	33.3%
BS CpE	17	9	-8	-47.1%
BS EE	26	44	18	69.2%
BS ME	49	38	-11	-22.4%
<b>Total BS Degrees</b>	<b>387</b>	<b>420</b>	<b>33</b>	<b>8.5%</b>
MS BME	5	7	2	40.0%
MS ECE	31	35	4	12.9%
MS ME	11	13	2	18.2%
MS Engineering	1	1	0	0.0%
<b>Total Graduate</b>	<b>48</b>	<b>56</b>	<b>8</b>	<b>16.7%</b>
<b>Total Degrees</b>	<b>690</b>	<b>693</b>	<b>3</b>	<b>0.4%</b>