

**PURDUE SCHOOL OF ENGINEERING AND TECHNOLOGY**  
**Faculty Senate Minutes**  
**April 14, 2009**

Representatives in Attendance: Doug Acheson, Karen Alfrey, Mark Bannatyne, Ed Berbari, Debra Burns, Jie Chen, Barb Christe, Elaine Cooney, Jan Cowan, Charlie Feldhaus, Becky Fitterling, Tom Ho, Stephen Hundley, Connie Justice, Brian King, Nancy Lamm (alternate), Roberta Lindsey, Razi Nalim, David Peters, Ken Rennels, Steve Rovnyak, Paul Salama, John Schild, Erdogan Sener, Jan Stevens, Bill White

Guests: Hasan Akay, Cliff Goodwin, Marj Rush-Hovde, Dean Yurtseven

Meeting began at 11:00 a.m.

Elaine asked everyone to look at the agenda for the meeting, the agenda was approved.

Elaine asked everyone to look at the minutes from the March 2009 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 March 2009 minutes; all approved.

**Administrative Report**

Dr. Yurtseven advised Faculty Senate of the following:

**Academic Programs:**

The Energy Engineering–BS program proposal was approved by the IUPUI Academic Policies and Procedures Committee. This year there is a new committee, the Undergraduate Advisory Committee that the proposal will be submitted to also. This committee meets on April 28th; Barb Christe represents our school on this committee and advised she will advocate for the proposal. After the proposal goes through the Undergraduate Advisory Committee it will go through the academic offices of the eight IU campuses and will then go to Purdue.

**Grants and Contracts:**

Eri Kuno (ECE): NIH, Non-Competing/Continuing, 03/01/09-02/28/10, ICR \$53,290, Total \$391,231

Siva Krishnan (ME): Purdue University, New Research, 03/15/08-03/14/09, ICR 0, Total \$20,260

Ken Rennels (ENT): US Department of Veteran Affairs, New Service, 02/16/09-12/31/09, ICR 0, Total \$101,113

**Faculty News:**

The Resources Policy Committee selected Debra Burns (MAT), Robert Wolter (CILT), Karen Alfrey (BME), Jan Cowan (DCT), and Eliza Du (ECE) as the 2009 recipients for the Trustees Teaching Awards. These faculty will be recognized at the Bepko Honors Convocation on April 24<sup>th</sup>. Dr. Yurtseven congratulated the recipients.

Barbara Christe (ENT) published a textbook, Introduction to Biomedical Instrumentation: The Technology of Patient Care, by Cambridge University Press. Dr. Yurtseven noted this is one of the few textbooks in the field of this kind.

Jachwan Lee (ECE) and Xiang Xiao (ECE) submitted invention disclosure, “New Hardware Design for System on Chip” to the IU Office of Technology Transfer.

### **Staff News:**

The Staff Advisory Committee selected Pam May (ENT), Lisa Jones (Dean’s Office) and Jane Parr (Academic Advising Center) for the staff awards. These staff members will be recognized at the Bepko Honors Convocation on April 24<sup>th</sup>.

### **Events:**

IUPUI Top 100 Outstanding Students were recognized on April 3<sup>rd</sup> at the Indianapolis Marriott. There were 18 students from our school in the Top 100. They are: Jonathan Brack (ECE), Darrell Goodwin (ME), Richard Hooker (BME), Deven Kaufman (ENT), Kellen Knowles (BME), Kevin Mauser (BME), Jessica McGown (ME), Jose Muniz (ME), Dara Navai (ME), Lora Perry (BME), Andrew Pierluissi (ME), Daniel Roberts (ECE), David Sempstrott (BME), Luke Spradlin (ECE), Lynsey Tilton (ENT), Edgar Torres (ME), Todd Wilson (ENT), and Erika Yasuno (DCT). Of these 18 students Lora Perry (BME), Kellen Knowles (BME), Deven Kaufman (ENT), and Darrel Goodwin (ME) were selected for the Top 10 student categories.

Seven area middle and high schools attended the first Formula One Race which took place at the Campus Center on March 11<sup>th</sup>. This event is in preparation for the Motorsports Degree program and Dr. Yurtseven met with instructors and students. All of the expenses for the event were covered by the Formula One (F1) organization.

Tau Alpha Pi award ceremony took place on March 12<sup>th</sup> to induct new members into the organization.

The Science Olympiad state finals took place on March 28<sup>th</sup> and many staff and faculty helped with the event and the judging process. Dr. Yurtseven is not sure we are getting a return from this event; students are busy, and may not be able to listen to information given. A few years back we offered scholarships but students did not accept them and attended other schools. Razi Nalim believes we may have a negative impact because there were some organization issues. There were some controversies in judging which were related to the fact that we did not have good information. Dr. Yurtseven is not sure IUPUI will sponsor this again; Hasan Akay noted that IUPUI sponsors the event every three years.

Dr. Kirimi Kiriamiti, Dean of the College of Engineering at Moi University, was here several days during the week of March 31-April 3. The school is hoping to have course program articulation with this university; students from Moi University would be able to come to our school under the 2+2 program. There is great potential for service learning for our students to go to Kenya to work with their students. One of our students from BME is going to Kenya in June.

### **Budget:**

Dr. Yurtseven advised there is no budget update at this time. The Dean and others met with the Budgetary Affairs Committee a few weeks ago. There is no update from the Campus administration, but they have read in the papers that the Senate budget committee passed a favorable budget for education. The catch for the budget depends on federal stimulus dollars, and after 2 years the Senate is unsure of funding

availability. The budget is now at the Conference Committee of the Senate and House, and they will meet for the next several days to decide on the budget and present the information by April 30<sup>th</sup>. If the budget goes through there is a slight increase of .1% increase on operating budget and this is a relief because we may not have 3-5% base cuts in the budget in this case. We will know more after April; the school has not received any guidelines at this time. Dr. Yurtseven advised it appears there may not be any faculty and staff salary raises, with the exception of faculty members who are promoted from one rank to another. Purdue has announced they are not giving raises this year; no official word from IU at this time. Salary increases may be up to the schools; however, this puts the Dean in a sensitive position. Dr. Yurtseven conveyed this information to the Budgetary Affairs committee at their last meeting and in principle they agreed with priority of faculty who are promoted in rank should receive raises.

For further details on the salary policy, you can find the *School of Engineering and Technology, IUPUI, Draft Salary Policy* endorsed by the Department Chairs at: G:\COMMON\\_Senate documents\April 2009 Documents.

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

### **Associate Dean's Report**

Dr. Akay advised Faculty Senate of the following:

Enrollment report into 19 weeks before start of fall courses shows the credit hours up by 9% and student headcount is up by 4%. These are positive numbers, in spite of the fact that overall graduate students register late. The graduate student credit hours are lower than last year at this time.

The online course evaluations are scheduled to start next week. Dr. Akay advised CNC will send course lists to the departments to look over for course information; tried to get information from the database, but sometimes there are missing classes. Departments should look the information over to make sure all of their classes receive course evaluations.

Dr. Akay plans to send mass emails to all students as reminders to participate in online surveys; this was suggested last semester. However, experience shows the closer the message comes to students the better effect it has. Dr. Akay encouraged all faculty to encourage their students to participate in the evaluations. The highest response rate last semester was 45%.

It has been awhile since the evaluation forms were prepared; it is a good idea to revisit the surveys and take into account changes in technology. Elaine Cooney advised Faculty Affairs is currently looking over the evaluations. There is a sub-committee under Faculty Affairs working on the evaluations. Marj Rush-Hovde will have an update.

Dr. Akay advised he recently received a report from the University College on DFW rates on freshman courses. Without getting into details, it is obvious when looking at statistics the retention rates are better from sections taught by full time faculty members. Dr. Akay encouraged and reminded course coordinators the importance in helping part time faculty to provide the best delivery in classes to make sure there is uniformity.

The school has been revisiting the PULs recently; the campus is interested in collecting assessment data for North Central Accreditation (NCA). The school has been working with the school assessment committee and department chairs in preparing a list which indicates PULs taught in every course. The list needs to be prepared by April 24<sup>th</sup>. Elaine heads the assessment committee, and a group of representatives

on the committee are coordinating this effort. Dr. Akay reminded Faculty Senate that they need everyone's participation and help with getting the list prepared.

Total research awards received July 1<sup>st</sup> through March 31<sup>st</sup> reached \$4.38M level, compared to \$3.9M last month. Since this is through March 31<sup>st</sup> we had a \$1M award recently received since then. This is good news that we are reaching last year's levels and have not completed April yet.

### **Faculty Affairs Committee**

Marjorie Rush-Hovde advised subcommittees are working on various issues.

There is a group working on end of semester course evaluations; there are drafts for face to face courses and online courses. Ken Rennels inquired about lab course evaluations; Marj will look into this.

There is a subcommittee looking at the E&T guidelines. Currently the E&T guidelines do not mention clinical faculty guidelines. Revisions are needed for this reason.

Salary guidelines were developed by the Department Chairs; these guidelines were forwarded to Faculty Affairs committee to look over.

Since MAT has joined the school, we need to revise the school Promotion and Tenure guidelines to encompass the MAT practices. The school guidelines will need to reflect the MAT practices.

Marj advised the clinical position guidelines will be looked at by the P&T boards, along with the MAT practice information being added to the P&T guidelines.

There is also a subcommittee working on the Peer Review guidelines for the school.

The committee is meeting on Wednesday, April 15; Marj hopes to have some items ready for discussion and/or action in May.

### **Budgetary Affairs Committee**

Cliff Goodwin advised the Budgetary Affairs Committee met on April 6<sup>th</sup> and the next meeting is May 4<sup>th</sup>. The committee should have more information by May 4<sup>th</sup> so they can review the information and make some decisions about the issue of salary raises for the school. The dean keeps the committee informed about budget details and how the campus is handling the situation. The committee has not had enough information yet to make any decisions. As mentioned earlier, the committee does endorse faculty who are promoted in rank to get compensated. Cliff noted it does not look like we will have funds for other raises.

### **Computing Resources Committee (CRC)**

Connie Justice advised the Computer Resources Committee met on April 2<sup>nd</sup>, and are continuing discussions on UITs and student technology fees. David Donaldson with UITs is a part of CRC, and UITs thanked the committee for working with them. Connie is working closely with them.

CRC is looking at purchases for computers. For example, DCT needed some laptops but the pricing and configuration was out of range. UITs advised they were looking at a bulk purchase so CRC is working with them to get a better rate and getting the configuration the department required. There are some good things coming from working with UITs.

By the end of the semester CRC hopes to have a list identifying all of the labs that they can collaborate with UITS that they can take control over versus the labs we will keep to specialize in. Connie advised they are working on this list with all members of CRC and departments. Connie encouraged faculty to discuss this with your CRC members. A couple of departments have given Connie a list of their lab needs already.

Ed Berbari asked if there has been discussion of UITS taking ownership of the labs, physical space, not just the contents. Connie advised not yet; they have been discussing the scheduling aspects. UITS basically said that David Donaldson will work with CRC. It is a blank slate currently; this year, Year 1, nothing will really happen. Trying to form how it will look in the future. They will try to formulate the needs and if they can be common needs for everyone, etc. Connie advised they are discussing if we can keep labs within Engineering & Technology that can be common labs for E&T that would be out of the general UITS labs, but label it a generalized lab that UITS can take care.

#### **Constitution and Bylaws Committee** - No Report

#### **Graduate Education Committee**

Hiroki Yokota introduced two new MS in Technology programs. The Graduate Education Committee is asking for approval of the following new MS programs:

- Master of Science in Technology: STEM Education Track with Engineering Technology Education Certification
- Master of Science in Technology: STEM Education Track with Computer Education Certification

On March 10<sup>th</sup> the Graduate Technology Committee approved these new degrees. On March 15<sup>th</sup> Charlie Feldhaus submitted a proposal to the Graduate Education Committee. After discussion and questions the Graduation Education Committee approved the proposal of two new degrees on March 26<sup>th</sup>.

Charlie Feldhaus clarified that these are areas of specialization; they are not new programs, but simply the ability to use our existing MS in Technology to get two Indiana teaching licenses, one in Engineering Technology Education and one in Computer Education.

#### **Faculty Senate unanimously approved the MS in Technology in Engineering Technology Education and the MS in Technology in Computer Education.**

For further information there are three documents pertaining to these degrees on the G:\COMMON\\_Senate documents\April 2009 Documents.

The word document titles pertaining to the MS degrees proposed in the G Common April Senate folder are:

- *Computer Education License Proposal IPSB 4-1-09*
- *Engineering Technology Education Licenses Proposal IPSB 4-1-09*
- *MS in Technology STEM – overview 3-25-09*

#### **Grievance Board** – No Report

#### **Nominations Committee**

There was no one available to give a report from the Nominations Committee.

Elaine advised Faculty Senate to refer to Rob's emails, and to make sure to vote.

The nominations and elections schedule is as noted (per Rob Wolter):

- The online voting/election will take place from April 19 through April 25.
- Results of the election will be reported to the E&T Faculty Senate on May 12.
- The E&T Faculty Senate will select committee chairs on May 12.

The "Committee Assignments for 2009-10" document can be found at: G:\COMMON\\_Senate documents\April 2009 Documents.

**Resource Policy Committee** – No Report

**Student Affairs Committee** - No Report

**Undergraduate Education Committee**

Karen Alfrey advised the Undergraduate Education Committee has three courses that were proposed and recommended by the committee. The following course information can also be found under:

G:\COMMON\\_Senate documents\April 2009 Documents

TCM 380 - Technical Communication in the Healthcare Professions; this course was previously taught under variable title number.

BME 461 – Transport Processes in BME; this course was previously taught under variable title number.

MAT Z390 – Jazz for Listeners; this course will match to an existing IU-B course.

**Faculty Senate unanimously approved all three courses:**

**TCM 380 – Technical Communication in the Healthcare Professions**

**BME 461 – Transport Processes in BME**

**MAT Z390 – Jazz for Listeners**

**Dean's List Policy:**

Karen advised Faculty Senate that during fall of 2007, Faculty Senate voted on a new Dean's List policy to simplify the existing one; the previous one involved rules looking at past semesters, included top 10% of students in each department. The new policy was simplified to put students on the Dean's List with a 3.8 GPA or higher, in which students have taken 6 credit hours or more. A few students took 6.0 credit hours, and received a 3.8 GPA or higher, but these grades were not enough to take them off of probation. This is part of the reason the current Dean's List policy is in question.

Karen advised the Undergraduate Education Committee proposed adding the following requirement to the current Dean's List Policy:

All undergraduate students in the School of Engineering and Technology who complete at least 6 credit hours during a semester and who have a semester grade point average of 3.8 or higher and a cumulative GPA of 2.5 or higher are placed on the Dean's List. These honor students receive letters from the Dean recognizing their meritorious efforts.

Karen advised the New Student Academic Advising Center has also met and they are worried the new policy is decreasing the number of students allowed on the Dean's List. Nancy Lamm asked Dr. Akay if his office could prepare percentages and statistics from each of the programs. Nancy advised Dr. Akay and Kelly Keelen were at their last meeting to discuss the findings from the information they prepared. Some departments have as high as 25% of their students on the Dean's List. Several departments are over 20%. Many of the freshman coded students are below 10% on the Dean's List. Nancy felt this is a wide variation. During this meeting Kelly Keelen advised she could take the top 10% from each program. Nancy and her department wanted to propose that the school go back to the 10% criterion that all students complete at least 6.0 credit hours during a semester, and have a semester GPA and a top 10% of the semester GPA's in their program and have a GPA of 2.5 or higher.

Ed Berbari understands that some departments or programs even if you use the 10% rule and require 4.0 GPA that you can fill up the Dean's list. Ed believes this speaks to a wide disparity among departments and programs. We are looking for a formula to create the Dean's List. Maybe it is time to think about having each department and program nominate students for the Dean's List. Be cognizant of whom is on probation, does the student represent your program; look at credit hours, etc. Ed does not believe that students who are part time students are taking an academically challenged load. Connie Justice believes the school needs a policy and something in writing to show the students how they can qualify for the Dean's List, since many students ask. Ed believes faculty should possibly make these decisions and he does not believe we will come up with a computerized formula without some issues.

Mark Bannatyne asked if there was clarification or stipulation on the 6.0 credit hours that the student is taking. Karen advised that is one of the items the committee discussed as to whether we should stipulate that the 6.0 hours allege to academic advancement in their plan of study. Currently there is no stipulation about the courses that are taken and qualifications for the Dean's List.

David Peters believes that academic excellence and reporting while striving to make students better; the Dean's List having 20% of the students on it seems meaningless to him. At some point it becomes a non-issue. The other issue is grade inflation. Another way to calculate the Dean's List is department by department. David believes going beyond 10% is not a good idea and does not feel students taking only 6.0 credit hours should be considered.

Razi Nalim reminded Faculty Senate that there is no motion at this time. Karen advised she brought the issue forward because there some points that were not addressed during their committee discussion. Karen suggested discussing this issue with your faculty and giving your opinions and thoughts to your Undergraduate Education representative so they can discuss during their next committee meeting.

Connie Justice had one additional comment and she noted that we serve about ½ traditional and ½ non-traditional students. Connie is not sure what the answer is but to exclude these students is unfair also; excluding part time students from the mix is not a good idea.

Barbara Christe also noted that SAP progress cannot be excluded from this. Students should not be allowed to register for 15 credits and drop everything but HPER classes and be on the Dean's List.

The Undergraduate Education Committee will continue to look at this issue and bring suggestions back to Faculty Senate.

### **IUPUI Faculty Council**

Ed Berbari advised IUPUI Faculty Council met on April 7<sup>th</sup> and they had a relatively brief meeting.

The Chancellor gave a report and had come from statehouse; there were two resolutions in Statehouse to honor Coach Ron Hunter for his work and to honor the campus for the 40<sup>th</sup> anniversary.

Chancellor indicated that the state budgets are all work in progress; read the newspapers for information.

The new parking garage will converge soon, still have not finalized a site. The main site is the location across from University Place Hotel and Conference Center in Lockfield Gardens. They will plan for another building at this site also. There is one site being discussed on Indiana Avenue also, since 55% of people coming to campus come from West Street, so have them part in this area. These are the two leading sites.

As part of our 40<sup>th</sup> anniversary the Senior Academy is sponsoring a “Last Lecture.” The first lecture will be April 17, 4:00 p.m., featuring Robert Einterz.

There are a number of Dean’s searches taking place. Currently, Physical Education, Honors College, Optometry, and Philanthropy all have open Dean’s searches. The School of Dentistry and our dean are also in process of Dean’s searches.

Simon Atkinson, IFC president, was not in attendance at the meeting. Jeff Watt, IFC Vice President gave a report.

The Nominations committee is looking for representation; there are opportunities to get involved.

A bylaws amendment change will be voted on during the May 5<sup>th</sup> IFC meeting. Term of office information will be replaced; see IFC web page for additional information.

There was a presentation from our Athletics Committee. The school received a review from NCAA for certification. The biggest complaint received was about our facilities; NCAA felt IUPUI had bad facilities.

There is a document that is working its way through most IU campuses, with regard to Promotion and Tenure, to normalize the process. There are some wording changes, but in general the changes are not significant for our campus, as they are for some of the regional campuses.

Tom Ho asked if the School of Science is searching for a Dean. Bart Ng is in the interim position, but it is not an active search at this time.

*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 Committee** – No Report

### **Purdue Intercampus Faculty** – No Report



**Purdue Technology Senate** - No Report

**Purdue Faculty Senate** – No Report

**Purdue Graduate Council** – No Report

**Assessment Committee** – No Report

**Old Business** – No Report

**New Business**

Elaine Cooney discussed committee meeting attendance. Elaine has communicated to the Chairs committee attendance needs. Elaine advised we need to insure that when we have committee meetings every department that is suppose to be represented is indeed represented because too many times we have motions that come to the Senate from a committee and then we have representatives from departments that say their department did not have a say; this is because their representative was not present at the meeting. Per Roberts Rules of Order and review of the Bylaws it is appropriate if you have a committee member that cannot attend a meeting you can send a proxy with voting privileges. Elaine reminded everyone it is very important for this to happen for all of our committees. John Schild noted the bottom line is there is a mechanism for a replacement if a person cannot serve; the other way to have representation is to send another faculty member or you do not send a representative. If there is a quorum in place and a particular department does not have representation the committee can still make a decision. Per Elaine this should be noted for electronic meetings as well. Elaine asked all Faculty Senate members to report this information to their departments.

**Miscellaneous**

Elaine reminded everyone that Faculty Senate requires committee chairs to send a summary report that can be forwarded on for the next following year; submit by May 15<sup>th</sup> and please copy to Elaine and Sheila Walter.

**Meeting ended at 12:00 p.m. The next Faculty Senate meeting will be Tuesday, May 12, 2009, 11:00 a.m. in SL 165.**

## **Dean's Report for April 13, 2009 Faculty Senate Meeting**

### **Academic Programs**

- Energy Engineering-BS program proposal was approved by IUPUI Academic Policies and Procedures Committee. The next step is to get approval from the Undergraduate Education Advisory Committee at IUPUI.

### **Grants and Contracts**

- Eri Kuno (ECE): NIH, Non-Competing/Continuing, "Simulation Model for Mental Health Systems Planning, 3/01/09-2/28/10, ICR \$53,290, Total \$391,231.
- Siva Krishnan (ME): Purdue University, New Research, "Indiana Space Grant Consortium", 3/15/08-3/14/09, ICR 0, Total \$20,260.
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### **Faculty News**

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- Jaehwan Lee (ECE) and Xiang Xiao (ECE) submitted invention disclosure, "New Hardware Design for System on Chip" to the IU Office of Technology Transfer.

### **Staff News**

- Staff Advisory Committee selected Pam May (ENT) for the Staff Spirit Award, Lisa Jones (Dean's Office) for the Outstanding Staff Award, and Jane Parr (Academic Advising Center) for the Staff Professional Development Award. These staff members will be recognized at the Bepko Honors Convocation on April 24.

### **Events**

- IUPUI Top 100 Outstanding Students were recognized on April 3 at Indianapolis Marriott. Eighteen of the top 100 students are from our school. They are: Jonathon Brack (ECE), Darrell Goodwin (ME), Richard Hooker (BME), Deven Kaufman (ENT), Kellen Knowles (BME), Kevin Mauser (BME), Jessica McGown (ME), Jose Muniz (ME), Dara Navai (ME), Lora Perry (BME), Andrew Pierluissi (ME), Daniel Roberts (ECE), David Sempsrott (BME), Luke Spradlin (ECE), Lynsey Tilton (ENT), Edgar Torres (ME), Todd Wilson (ENT), and Erika Yasuno (DCT). Out of these 18 students Lora Perry (BME), Kellen Knowles (BME), Deven Kaufman (ENT), and Darrell Goodwin (ME) were selected for the Top 10 student categories.
- Seven area middle and high schools attended the first Formula One (F1) on March 11 at the Campus Center.
- Student organization, Tau Alpha Pi had award ceremony on March 12 to induct new members into the organization.
- Indiana State Science Olympiad finals were hosted by IUPUI on March 28 and our school was one of the largest contributors in terms of faculty/staff/student time, projects, and judging.
- Dr. Kirimi Kiriamiti, Dean of the College of Engineering at Moi University, Kenya visited our school during the week of March 31-April 3. The issues of course/program articulation, student/faculty exchange, and service learning were discussed.