

PURDUE SCHOOL OF ENGINEERING AND TECHNOLOGY
Faculty Senate Minutes
November 11, 2008

Representatives in Attendance: Doug Acheson, Karen Alfrey, Soheli Anwar, Mark Bannatyne, Ed Berbari, Debra Burns, Jie Chen, Stanley Chien, Barb Christe, Elaine Cooney, Jan Cowan, Russ Eberhart (alternate), Mohamed El-Sharkawy, Becky Fitterling, Tom Ho, Stephen Hundley, Brian King, Razi Nalim, Peter Orono, Ken Rennels, Steve Rovnyak, John Schild, Erdogan Sener, Jan Stevens, Bill White

Guests: Hasan Akay, Cliff Goodwin, Pete Hylton, Marj Rush Hovde

Meeting began at 11:05 a.m.

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

Mohamed asked everyone to look at the minutes from the October 2008 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 October 2008 minutes; all approved.

Christine Fitzpatrick, Communications Officer, made a 30 minute presentation regarding the second Indiana University Information Technology Strategic Plan.

Administrative Report

Dr. Hasan Akay advised he would give the Administrative Report for Dean Yurtseven, along with his report; Dr. Yurtseven is out of town.

Academic Programs:

Spring 2009 registration is underway; students can register through January 19th. As of 11/9 our student credit hours was down 0.9% with 12,143 credit hours and the student headcount is up by 0.9% with 1,117 students registered for the spring 2009 semester, as compared to this same time last year. These figures approximately constitute 50% of last year's totals.

Faculty News:

Yaobin Chen (ECE) received a supplement of \$12,696 from LHP Software for this project.

Soheli Anwar (ME) received a continuing research grant of \$16,697 from Cummins for his project.

Staff News:

Anne Rabie has resigned and left IUPUI. There will be a search to fill her position as soon as possible. Dr. Akay advised they are working on an exception on this position to hire.

Haishan Wang joined the school as full-time database/web manager in CNC as of November 1. Haishan is a graduate of ECE, and has a master's also from ECE.

Events:

The Annual Joint Board of Advisors meeting was held on Friday, October 17, at the Rolls Royce Training Center. This event attracts many industrial advisory board members, students and faculty. Bill Cook, founder and CEO of the Cook Group, spoke about his experiences and successes. Dr. Todd Saxton, Associate Professor of Management and Indiana Venture Center Fellow at IU Kelley School of Business discussed entrepreneurship. Two of our students also gave presentations; Glory Ali discussed her internship experience and Robert Frye discussed his MURI project. The opening remarks were made by our new Vice Chancellor for Research Kody Varahramyan.

Our school hosted the ASEE sponsored national Engineering Technology Leadership Institute (ETLI) Conference during October 18-20th at the Hilton Garden Inn downtown Indianapolis. Over 60 national academic leaders joined the meeting.

The E&T Graduate Open House was held on October 30th on the first floor of the ET building. There were 41 attendees. Various employers also attended, and posters were presented. Dr. Akay advised both graduate and undergraduate students should be encouraged to attend.

CIT Day on November 7th attracted about 120 students from six area high schools. CIT faculty made various presentations and demonstrations.

Associate Dean Report

Dr. Akay discussed three items regarding research and external activities.

Federal Lobbying and Congressional Rule Changes

There have been several recent changes in the Lobbying Disclosure Act that have altered the respective rules of the U.S. House of Representatives and the U.S. Senate and the impact of Indiana University activities related reporting requirements. A university policy is in place at <http://www.gov.indiana.edu/federal/lobbying/policy.shtml>. Hasan advised faculty and staff may still contact their respective federal officials regarding their personal views and activities.

New IP Policy is in Effect

The new IU Intellectual Property Policy has been approved by the Board of Trustees on May 2, 2008. This policy is quite different than the previous policy dated 1997 in the definition of IP and the way the revenues are shared. Faculty developing and owning IP are advised to be familiar with this policy. There is an Intellectual Property Policy Council consisting of 13 members chaired by Simon Atkinson from the Medical School. Hasan is a member on this council. Please contact Dr. Akay if you have any thoughts/questions. There will be a final version of the policy on the website soon.

Technology Control Plan

The Technology Control Plan is an ongoing topic in the school. IU does not yet have a system in place. Our school was asked to develop a plan for IU around 2-3 years ago. Many academic and research institutions have provisions in place enforcing export control laws, but IU does not have a system in place. The School of Engineering and Technology along with other schools in the IU system are at a disadvantage in competing for grants and contracts that require compliance with these laws, therefore hindering growth in sponsored research. This type of plan must be proposed and approved by faculty governance. The IUPUI Faculty Council Research Committee will be looking at this issue. A rough draft

Technology Control Plan from 2005 was distributed to Faculty Senate during the meeting and is attached in the Associate Dean's report. John Schild was unsure about document clarity and the expectations. Russ Eberhart believes the plan should not be complicated. Ed Berbari advised historically IU was not allowed to do classified research and this issue may be a remnant of this past issue. Debra Burns suggested putting a dollar amount of what we are losing because we cannot apply for certain proposals. Razi Nalim commented that this topic was discussed many times in the past and asked Hasan what was different at this time. Hasan believes the difference is that there is more emphasis on industry and government projects at IU than it used to be.

Hasan Akay will advise the IUPUI Faculty Council Executive Committee the School of E&T Faculty Senate endorses the Technology Control Plan proposal. It was decided to emphasize in the proposal that research subject to export control regulations does not mean that it is a classified research.

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

Faculty Affairs Committee

Marj Rush Hovde advised the committee met on October 24th. They are discussing some of the same topics as previously noted.

The committee decided to develop an ad hoc committee to report to Joe Abella on the E&T Professional Practice Center. Marj advised she sent emails to the chairs a couple weeks ago, asking for names by November 14 so faculty can have input into this center. As you may recall there is discussion how this center will affect tenure and promotion, it is very important to get a voice in the formation of this center. Several people brought up concerns and questions and the Faculty Affairs Committee will pass them on to the ad hoc committee.

Marj advised the committee was looking at the promotion guidelines with regards to clinical faculty members. The committee looked at the clinical faculty statement and it basically said to see the tenure and promotion guidelines and they looked at the tenure and promotion guidelines and the word "clinical" is not mentioned at all. When faculty looked at this information they could not find any information for clinical. The Faculty Affairs Committee will convene an ad hoc committee to do some wording for the tenure and promotion guidelines and work with the Tenure and Promotion committee to make sure the wording is approved. Marj advised her committee is still in process of getting the ad hoc committee formed. Marj does not anticipate a lot of work, maybe 2-3 months to update the information. There is some general confusion about what the different faculty lines entail; technically, clinical faculty are not required to do research, only teaching, civic engagement and service. But some do research and where does this fit in to their promotion case.

The committee has been looking at the workload policy defining positions. They have not done a lot with this but there is some confusion on what different positions mean, what each positions responsibilities are, etc. and they are trying to get some better definition. A lot of information is written down, but people are not aware of it. Marj advised the workload policy definitions need some flexibility, but also need some definition. Workload Policy definitions are needed for protection for people in various lines, and to make sure everyone is treated fairly and evaluated appropriately according to the requirements. If problems arise they can be dealt with appropriately if the definitions are documented.

Marj advised another topic brought up previously is that there are no guidelines for peer reviews of teaching. If you are going up for teaching and peer reviews are required, there are no guidelines for the school about how the peer reviews take place, when they should take place and what they should consist of. Barb Christe believes there is a document with this information from awhile back. There is a

document that was written. The document did not cover the exact process, but FACET was mentioned. Hasan advised some departments have their own information on this. Marj advised if anyone has any information on this topic to forward it to her.

Marj advised the Faculty Affairs Committee will meet again on December 5, 2008.

Budgetary Affairs Committee

Mohamed welcomed Cliff back to the Senate. Cliff Goodwin presented the Budgetary Affairs report and a copy of the report can be found on the G Drive, Common Folder, November Senate Documents.

Cliff advised the Budgetary Affairs Committee met on November 6th at which Dr. Yurtseven presented the schools budgetary report. The school achieved a balanced budget for 2007-08, and if the numbers hold we should achieve a balanced budget for 2008-09. Early reports show enrollment is down about 1% for spring.

The Budgetary Affairs Committee discussed the following items:

The Budgetary Affairs Committee has two ongoing projects they are working on to help department chairs and CDD make some strategic decisions concerning the following items.

Cliff advised we have lab fees that we need to think about; when to access fees and assess fees and how much is charged is being discussed. At this time we are losing money on our labs. Ed Berbari distributed some information regarding labs.

Expenses and income information – expense side, what % of space is teaching lab space and what percent assessment from campus is space. How does this translate to what we are taxed. We are taxed around \$677,000.

On the CNC side we spend around \$54,000 to operate; this does not include department expenses. Personnel and department technicians is under the department budget; total expenses are around \$1.4M; income from lab fees is \$142,000 (includes engineering program fees); campus tech fees received from campus equal \$195,000. Total income is \$765,000, as you can see we lose about \$717,000; the year before was around \$840,000; we are no where near balancing income and expenses.

One possible solution would be to increase lab fee income by 68%; Ed advised School of Science was \$1M in the hole and they increased fees over a 2-3 year period. Another idea, which the chairs and deans are discussing, is to add a tech program fee similar to the engineering program fee of 10%. This would generate about \$570K and would increase lab fees still by about 35% to make the budget balance.

Ed advised the Dean made an administrative decision with Chairs guidance to increase the lab fees by 25%; the Chairs voted on this and all agreed. On a broader note, talk to your department chairs, every department has a different philosophy on which courses get assigned a lab fee. The committee has a plan for this, but Ed is interested in other department structures.

Cliff also advised they are reviewing the latest income statement for the school; they are constantly looking at this and it is being refined and improved; as soon as they have one that is accurate and complete Cliff will present the statement to the Senate.

The next Budgetary Affairs Committee is December 4, 2:00-3:30; if you are interested in attending or have any items the committee should discuss let Cliff know.

Indiana University Information Technology Strategic Plan

<http://ovpit.iu.edu/itsp2>

To give feedback:

Write to: itsp2@oncourse.iu.edu

Call: 317.278.9988

Deadline: December 1, 2008

Christine Fitzpatrick, David Jent and Angie Antonopoulos from UITs presented the IU Strategic Plan to Faculty Senate.

- Christine Fitzpatrick, Communication Officer, Office of the Vice President for Information Technology (OVPIT)
- David E. Jent, Associate Vice President, Networks, Office of the Vice President for Information Technology (OVPIT)
- Angie Antonopoulos, Communications Specialist, University Information Technology Services

Hasan introduced the three guests from OVPIT/UITs and advised that they will brief us on what the new IT strategic plan involves and its highlights; and the process to be followed in getting the plan approved. UITs is also seeking feedback from faculty and administrators; the report is posted on a website on VP for Information Technology, and you can all provide feedback. Other campuses are reviewing this plan also, along with IUPUI. The IUPUI Technology Committee is reviewing this plan too. CRC should maybe look at this plan also.

Christine Fitzpatrick reported that the strategic plan was unveiled a couple of weeks ago, portraying what IU should be like for the next 5 years or so...125 names have contributed to this strategic plan; Dave Jent advised this new IT Strategic Plan is a user centered, human plan...what does E&T need and how can they support this?

Some questions from Faculty Senate attendees:

Will the plan work with larger markets, connectivity while working at home, etc.

High performance computing – Big Red is not working for us; Dave suggested the second section of the plan has to do with user centric approaches; UITs is interested in these issues.

From a low level faculty point of view, some items seem to be more concerned with having a big name attached, rather than finding out what the needs are; seems top down driven. We hope the plan will take more into consideration than what was done in the past.

Plan is fine, but need resources to put into effect. Supposedly, we have a life cycle plan in this school, but it is not happening; put resources behind the plan; Response: life cycle planning issue is in first section. Is there part of this plan that addresses our telephone service and data; paying a lot for telephone service; why do we not fold all of this together?

In teaching and learning – we need as open an environment as we can get, beyond source nature, in market place today, web 2.0; so many changes that Oncourse would have to go through; also need teaching and learning support for where the university and faculty want to be.

Idea of posting syllabus on Facebook rather than Oncourse...

Any plans to expand IU ware for students? Some departments have a laptop program and students could use more software options at lower cost. Dave advised they are always assessing needs with companies and are constantly looking at this issue.

One area our school is unique in, a lot of times our software needs are unique, we buy a lot of software. Is it possible to find other partners in the rest of the university structure that use the same software also and we could get a better break. E.g., Matlab is used by many departments; is there anyone who knows every package being purchased? Dave advised that Purchasing can advise on this; how much is university spending. Dave Jent: tell us what you want; what do you need in departments and labs, software, etc. as we wire buildings, offices, what you are looking for?

Video stream quality for online courses is not good. Christine advised in the draft copy of the plan there is support for better video conference; streaming media for distance learning.

Christine: The draft is preliminary, was submitted to President McRobbie, he gave his input and approval, and the university is now giving feedback. Will write up action plans and then implementation plans and work will continue.

Christine: Currently there are 15 recommendations and 69 action items in the report. Faculty can give input/questions/suggestions through December 2. They are taking feedback on the draft online; some specific feedback for word choice, and feedback for implementation. The document will be refined and presented to President McRobbie and the Board of Trustees and then the implementation process will begin.

Computing Resources Committee (CRC) - No Report

Russ Eberhart advised the subcommittee is working on software request procedures, and archiving G and H drive material.

Constitution and Bylaws Committee - No Report

Graduate Education Committee – No Report

Grievance Board – No Report

Nominations Committee - No Report

Resource Policy Committee – No Report

Student Affairs Committee - No Report

Undergraduate Education Committee

Karen Alfrey advised the following are new courses for the Motorsports undergraduate program.

Pete Hylton advised Faculty Senate on the courses, and advised the paperwork and information has been on the Faculty Senate folder for over a week.

MSTE 311 – The Business of Motorsports II

Follow up course to Business of Motorsports II, more case studies and more independent project work and it builds on the first course.

MSTE 331 – Data Acquisition in Motorsports II

Data Acquisition in Motorsports I was approved last month, building on this course, student project in Data Acquisition area which is one of the fastest growing aspects in motor racing, and more independent work.

MSTE 414 – Motorsports Design II

Approved Motorsports Design I last month, which is taken the end of sophomore or beginning of junior year. Motorsports Design II is the capstone course that is to occur in the final semester of program that will culminate activity for entire plan of study.

MSTE 497 – Motorsports Design Project

MSTE 497 is an independent study project course

MSTE I410 – Internship course

Variable 1-3 credit hours; internship opportunity

Karen advised the Undergraduate Education Committee voted unanimously to approve these courses.

A motion was made and Faculty Senate approved the following courses unanimously:

MSTE 311 – The Business of Motorsports II – 3 credits

MSTE 331 – Data Acquisition in Motorsports II – 3 credits

MSTE 414 – Motorsports Design II – 3 credits

MSTE 497 – Motorsports Design Project – 3 credits

MSTE I410 – Internship course – 1-3 credits

For additional information all of the course documentation can be found at
G:\COMMON_Senate documents\November 2008 documents.

IUPUI Faculty Council

There was no report for the IUPUI Faculty Council because they met one week later; met on November 11, 2008, 3:00 p.m.

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

IUPUI Graduate Affairs Committee - No Report

Purdue Intercampus Faculty

Mark Bannatyne advised that every campus attending the meeting expressed their frustration and dissatisfaction with Purdue. George Bodner, who used to be the head of Chemistry, is the chair this year. The main topic of discussion is to make sure you look at your Form 40's. What is happening recently on multiple campuses is that West Lafayette is going through the Form 40's and changing courses and not advising the campus. If our name is on the Form 40, we co-own the course with West Lafayette; they should not make changes on the course without the permission of the campuses listed on the course. This can cause problems for students. Every campus needs to monitor this carefully. Mark advised this committee meets only once per semester. They will meet again in February or March, please let Mark know if you have any issues he needs to discuss with the committee.

Stephen noted for the record that the Purdue president has removed her name physically and withdrawn her name from the conference center at IUPUI. There is no Purdue Center acknowledgement on our campus. Mark noted this and will check with the committee. Hasan Akay also inquired about this, and does not know where President Cordova has moved her office for the IUPUI campus.

Purdue changed course numbers to 5 digit numbers; Mark advised it is his understanding that we are going to use the new numbers this spring. Stephen questioned if there will be plan in place to alert other schools on IUPUI campus of this change, Hasan feels it will be understood, committees are discussing.

Purdue Technology Senate - No Report

Purdue Faculty Senate – No Report

Purdue Graduate Council

Hasan Akay advised there was one item to report; many technology departments are now offering their own degrees in technology; for example they have a MS in MET, MS in CGT, etc. This is the trend at Purdue right now.

Announcement

Assessment Committee – No Report

Elaine Cooney noted that your assessment person will be asking for your assignments; **please respond in a timely manner.**

Old Business – No Report

New Business – No Report

The meeting ended at 12:45 p.m. The next Faculty Senate meeting will be Tuesday, December 9, 2008, 11:00 a.m. in SL 165.

Dean's Report for November 11, 2008 Faculty Senate Meeting

Academic Programs

- Priority registration for spring 2009 is underway. It will continue till October 31, after which the open registration period starts. Students will be able to register w/o appointment from November 1 till January 19. As of 11/09/08, our number of student credit hours is behind by 0.9% with 12,143 credit hours and the student headcount is up by 0.9% with 1,117 students for spring semester 2009, compared to the same time in spring 2008. These approximately constitute 50% of last year's totals.

Faculty News

- Yaobin Chen (ECE) received supplement of \$12,696 from LHP Software for his project, "Technical Support for Software Application".
- Sohail Anwar (ME) received continuing research grant of \$16,697 from Cummins for his project, "Electronic Fuel Control (EFC) Dynamic Performance Test Method-Phase II".

Staff News

- Anne Rabie resigned and left IUPUI. There will be a search to fill her position.
- Haishan Wang joined us full-time as the database/web manager in CNC on November 1.

Events

- Annual Joint Boards of Advisors meeting took place on October 17 at Rolls Royce Training Center. Over 100 guests from industry and school attended and there were 25 student posters displayed. The main speaker of the event was Mr. Bill Cook, founder and CEO of the Cook Group. Dr. Todd Saxton, Associate Professor of Management and Indiana Venture Center Fellow at IU Kelley School of Business talked about Venturing Forth: The Promise and Perils of Entrepreneurship. Two of our students, Glory Ali (presented Internship Experience at Midwest ISO) and Robert Frye (presented his MURI project on Testing Potential RFID Interference in the Patient Care Environment, supervised by Barbara Christie and Elaine Cooney). The opening and welcoming remarks were made by our new Vice Chancellor for Research Kody Varahramyan.
- Our school hosted the ASEE sponsored national Engineering Technology Leadership Institute (ETLI) Conference during October 18-20 at Hilton Garden Inn downtown Indianapolis. Over 60 national academic leaders from engineering technology community joined the meeting.
- Engineering and Technology Graduate Open House was held on October 30th on the first floor of ET Building. 41 visitors signed in. Among the attendees were employees from Avatel Technologies, Beckman Coulter, Boston Scientific, Bowen Engineering, Carrier, Cummins, Indianapolis Colts, Indianapolis Star, Lebanon Utilities, Midwest ISO, and Rolls-Royce, as well as a group of 10 students from the ELS Center and a Rose-Hulman engineering student.
- CIT Day attracted about 120 students from six area high schools on November 7 and the CIT faculty members made demos and presentations to them.

Associate Dean's Report for November 11, 2008 Faculty Senate Meeting

Federal Lobbying and Congressional Rule Changes

There have been several recent changes in the Lobbying Disclosure Act that have altered the respective rules of the U.S. House of Representatives and U.S. Senate and impact Indiana University activities and related reporting requirements. A university policy is in place at <http://www.gov.indiana.edu/federal/lobbying/policy.shtml> which is aimed at ensuring that all those who can reasonably be expected to engage in contacts with federal officials and agencies are provided with current information about these laws and rules. All individuals and units from our campus need to comply with this new law, including with the Lobby Disclosure Reporting part. However, this policy is not intended to limit the personal rights of those in the university community (faculty, staff, and students) to contact and advocate with federal officials for their personal beliefs and issues. Nor is it directed toward those contacts made on behalf of their professional societies as long as that representation is not in the name of Indiana University.

New IP Policy is in Effect

The new IU Intellectual Property Policy, worked on by the faculty governance during the last two years, has been approved by the Board of Trustees on May 2, 2008. This policy is quite different than the previous policy dated 1997 in the definition of IP and the way the revenues shared. Faculty developing and owning IP are advised to be familiar with this policy. There is a Council named Intellectual Property Policy Council consisting 13 members, chaired by Simon Atkinson from medical school. I serve as a member on the council. This council will play a role in resolving property disputed and appeals, implementing the university's IP policy, and evaluating the effectiveness of the IP policy.

Technology Control Plan

There are many government and industry projects that are subject to export control laws requiring institutions to develop a Technology Control Plan. While many academic and research institutions have provisions in place enforcing export control laws, there is no system in place at Indiana University. This gives the School of Engineering and Technology as well as other schools within the Indiana University system an unfair disposition in competing for grants and contracts that require compliance with these laws, hence hindering the growth in sponsored research. According our university policies and procedures such a plan must be proposed and approved by faculty governance. Even though we brought this to the attention to the faculty governance a while back, no real progress has been made to this date. However, the IUPUI Faculty Council Research Committee soon be revisiting this issue. With the attached document, I would like to bring to your attention a document we had proposed in the past on this topic. To expedite the process, I propose that the Faculty Senate considers endorsing this proposal to be submitted to IUPUI Faculty council Executive Committee.

IT Strategic Plan

As you may all have heard by now, the draft of the second information technology strategic plan for Indiana University has been unveiled last week. This strategic plan has been prepared collectively by an IT Committee of 27 members and four taskforces, each with more than 25 members. Task forces are named Faculty and Scholarly Excellence, Student Success, Effective Community, and Engagement Beyond. The plan is now open for feedback from university community. It is accessible from the OVPIT website as well as OnCourse and is being reviewed by various committees, including the IUPUI Technology Committee which I chair.

The plan is to collect comments, suggestions, and recommendations from faculty, staff, and administrators until the end of this month, which will be incorporated into the plan if found necessary. Members of the UITs planning committee headed by Garland Elmore Deputy CIO and Dean visit different units to present the highlights of the report and seek feedback.

Today we have Christine Fitzpatrick, Communications Officer who will give us information on the features of the strategic plan and the planning process. Some of you may remember that Christine previously served as assistant dean and lecturer in our school. She continues her association with our school as a part-time TCM faculty member.