

**PURDUE SCHOOL OF ENGINEERING AND TECHNOLOGY**  
**Faculty Senate Minutes**  
**October 14, 2008**

Representatives in Attendance: Doug Acheson, Karen Alfrey, Sohel Anwar, Mark Bannatyne, Debra Burns, Jie Chen, Stanley Chien, Barb Christe, Elaine Cooney, Michael Drews, Russ Eberhart (alternate), Mohamed El-Sharkawy, Charles Feldhaus, Becky Fitterling, Tom Ho, Stephen Hundley, Connie Justice, Brian King, Razi Nalim, Peter Orono, David Peters, Rich Pfile (alternate), Steve Rovnyak, John Schild, Erdogan Sener, Jan Stevens, Bill White

Guests: Hasan Akay, Pete Hylton, Marj Rush Hovde

Meeting began at 11:05 a.m.

Mohamed welcomed the Music and Arts Technology faculty.

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 September 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 September 2008 minutes; all approved.

**Administrative Report**

**Academic Programs:**

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

Spring 2008 priority registration will start on October 20<sup>th</sup>. Dr. Akay encouraged faculty and administrators to inform their students, encourage students to register as soon as possible.

Fall 2008 student credit hours for the school are up 4%; the total headcount is up 3.4%. Dr. Akay distributed the Fall 2008 Enrollment report also. This information was previously shared with the chairs.

Campus will soon generate a number of applicants and number of admits, and compare with previous year at the same time. Our numbers are slightly less than the previous year, but not a significant change. External transfers are somewhat up, but admits are low, some of this may be attributed to the new registration system which may delay getting information. Registrar believes this should not affect the final results. The school is not sure what the impact will be on the school with the recent economic news. Hasan advised it may be more difficult for students to get financial aid, but not sure.

The E&T Career Connection was held last week on October 9, 2008. The event was quite successful; 56 companies registered for this event; impressive for our school. The School of E&T did not attract this many companies in the past. Over 450 students registered during this event. Students were looking for jobs and internships. Employers came from Ohio, Michigan, Missouri, North Carolina, Texas, Washington, Wisconsin and various towns throughout the state of Indiana.

The Graduate Open House will be held on October 30<sup>th</sup> from 4:00-7:00 p.m. All graduate programs will be represented, both programs and activities. This was a very successful event last year. Hasan asked faculty to encourage your students and prospective candidates to attend.

### **Faculty News:**

John Lee (ECE) received a new research grant of \$100,000 from NSF for his proposal.

John Lee (ECE) received a new research grant of \$210,000 from NSF for his proposal.

Ghassan Kassab (BME) received a new research grant of \$412,617 from NIH for his proposal.

Yingzi Du (ECE) received a non-competing continuing research grant of \$98,794 from the Office of Naval Reserve for her proposal.

Yingzi Du (ECE) received a supplement research grant of \$50,723 from the Office of Naval Reserve for her proposal.

Mohamed El-Sharkawy (ECE) received a new research grant of \$18,144 from Endress Hausser for his proposal.

Charles Feldhaus (CILT) received a non-competing continuing service grant of \$46,637 from the Metro School District of Washington Township for his proposal.

Jian Xie (ME) received a new research award of \$159,107 from General Motors for his proposal.

Jie Chen (ME) received a supplement research grant of \$10,000 from Oscar, Inc. for his proposal.

Hasan Akay (ME) received a new service grant of \$31,922 from Engineering Design and Analysis for his proposal.

Steven Rovnyak (ECE) received a new research grant of \$301,776 from I-Power for his proposal.

### **Staff News:**

Erich Bauer from the Center for Teaching and Learning (CTL) has joined our school as an instructional technology support staff. Erich brings tremendous experience with Oncourse. He will be a resource for faculty and staff who have questions or difficulties regarding Oncourse technology. We have this service available for faculty who would like to enhance their Oncourse applications or start a class online. Hasan advised chairs should invite Erich to a faculty meeting to learn how he can help faculty with Oncourse.

Razi Nalim commented that with regard to Hasan's report the numbers of undergraduate and graduate applications that some of the students in the joint Ph.D. programs with Purdue apply directly to Purdue and this affects our numbers.

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

### **Faculty Affairs Committee**

Marj Rush Hovde advised the committee met on September 22<sup>nd</sup> and discussed the following issues. They responded to the Engineering Professional Practice Center that Joe Abella presented at the September

Faculty Senate meeting and the committee raised a number of questions. This was beyond Faculty Affairs to work out some of the details; they propose that each department appoint one person to form an ad hoc committee to work with Joe regarding this proposal. If you know of people who would like to serve on this committee let Marj know, she will send an email to chairs soon requesting faculty to work with Joe. A number of factors in the proposal will affect Faculty Affairs type topics including what is rewarded and merit in promotion and tenure.

The second issue the committee looked at was the Promotion and Tenure guidelines for Clinical faculty. The committee looked at the School of Medicine guidelines; their situation is so different that the information was not real useful. Faculty Affairs also realized they needed to clarify the difference between a lecturer and clinical person; some people are doing very similar jobs, but some are called clinical assistant professor and some are called lecturers. This needs some clarification. The Academic Specialist title is similar, some are doing what lecturers are doing and are called Academic Specialists.

The next issue they are working on is the Workload Policy. The committee worked some on this, but will continue working on this. This is challenging in this school because people have such different responsibilities, but they want to make sure the policy is fair. If the Engineering Professional Practice Center comes into being, some of these workload questions should be settled before we can put this in, because it is suppose to be relevant somehow to a faculty member's workload.

Marj advised if there was any feedback or comments the committee would meet again next Friday, October 24<sup>th</sup>.

#### **Budgetary Affairs Committee** – No Report

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

Connie Justice advised the committee met on October 2<sup>nd</sup>. The issues they want to cover this semester include software policies in the school and UITs, making sure all proper software is on the computers, UITs current policies, and the communication link between faculty and staff, CNC and UITs. There will be more forthcoming.

John Schild asked if there was a clear delineation on what UITs will not touch as far as software; Connie advised the committee is trying to figure out licensing, and what they will put on machines.

#### **Constitution and Bylaws Committee**

John Schild reported that the Constitution and Bylaws Committee was given one charge. Doug Acheson advised he was representing Rob Wolter (Rob teaches during Faculty Senate), Chair of Nominations Committee regarding the following information.

Dave Williamson is currently on medical leave and served on several committees. Dave was representing the program of Freshman Engineering and Freshman Technology. The issues involved two particular committees that Dave served that were departmentally appointed committees. The Grievance Board will allow only tenured faculty, and at this time Dave will not be replaced on this committee and the Student Affairs Committee, which is a school wide elected position. Looking at the bylaws, in a situation like that you go to the person with the next highest amount of votes; re-wording may want to look at this, going by book with representation looking at the next highest vote there were no more nominees.

John advised that the Bylaws are a living document, referred Faculty Senate to page 3 of agenda, top paragraph is verbatim taken from Section 3E, Paragraph 5; which addresses this issue of how to replace

vacancies to school wide elected committees. John asked if anyone had questions regarding the information from Doug, about how vacancies can come about, and it may not be possible for the person who received the next highest vote to serve on the committee. There needs to be equal or balanced representation from both the School of Engineering and the School of Technology, if we left it as the wording stands whoever gets the next highest votes would imply that it is possible that the balance could be disrupted. In an attempt to adjust the wording to insure that any replacements that are made and by following with the next individual with the next highest number of votes or the member assigned by a presiding officer that the balanced would be maintained. This is the rationale for the change that John read. John put it before the Senate for discussion and modifications.

The following rewording to our Bylaws is being recommended by the Constitution and Bylaws Committee for a vote during this meeting:

Vacancies on school-wide elected committees or boards that arise prior to the next election cycle shall be filled by AN ELIBILE nominee (i.e. A FACULTY MEMBER FROM ENGINEERING, TECHNOLOGY OR THE COMBINED PROGRAMS AS PREVIOUSLY REPRESENTED BY THE VACATING MEMBER) who received the next highest number of votes for the position occupied by the vacating member. Should this nominee be unwilling or unable to serve, this process will continue until the election list is exhausted OF ELIGIBLE NOMINEES, at which point the presiding officer will offer AN ELIGIBLE nominee to the Faculty Senate. A majority vote will be required to confirm the selection of this new committee or board member who will serve until the next election cycle.

Mohamed asked if anyone had any questions. John advised for this change in bylaws, just requires a majority vote to change the bylaws. It was submitted with an adequate period of time with the agenda and can be voted on during the meeting.

**A motion was made to accept the above mentioned changes to the bylaws; Faculty Senate approved this motion.** John advised the next version of the bylaws will be posted with a new date, as of October 14, 2008. Doug advised this information was on the G Drive, Common Folder, Senate Documents.

**Graduate Education Committee** – No Report

**Grievance Board** – No Report

**Faculty Affairs Committee** – No Report

**Nominations Committee** - No Report

**Resource Policy Committee**

Darrell Nickolson was unable to attend but forwarded a memo. The Resource Policy Committee had their first meeting on September 22<sup>nd</sup>. The primary role of this committee is to oversee the process of faculty awards, namely the Trustee Teaching Award which is offered every spring.

The committee has contacted Dean Yurtseven to inquire about the status of this year's award and the quantity of awards that will be distributed. In the Dean's response he noted that the school is still awaiting feedback from campus on the trustee teaching award as the campus sets both the funding and the guidelines. To date the committee has not yet received word on the award status.

**Student Affairs Committee** - No Report

## **Undergraduate Education Committee**

Karen Alfrey reported the Undergraduate Education Committee had several items.

### **TCM 450      Research Approaches for Technical and Professional Communication**

This course was previously approved by the Faculty Senate, but during the remonstrance process on the IU side, the first word of the title was dropped. This paperwork corrects that error.

**A motion was made to accept the clerical change for TCM 450; Faculty Senate approved this change.**

**MET 272      Introduction to Motorsports**

**MET 426      Internal Combustion Engines**

**MET 472      Vehicle Dynamics**

These three courses were considered together. The proposed changes are to the prerequisites of these existing courses. MET 272 will have the pre-requisites eliminated so the course will be appropriate for the freshman curriculum. MET 426 and MET 472 will have their pre-requisites adjusted to use not only for MET but also for upcoming MSTE pre-requisite. These courses will support the new undergraduate program in Motorsports Engineering.

John Schild agreed it is not unusual for freshman courses to not have pre-requisites, but questioned if there is anything in terms of the admission process or expectations for high school algebra or high school equivalencies. Pete Hylton advised they are industry overview course; they do have a project in the course, which is adjusted to the student. Elaine Cooney asked if the student has to have a certain English proficiency. Pete had not thought of this previously. There were minor typos noted in the paperwork, which will be fixed.

**A motion was made to approve the pre-requisite changes to MET 272, MET 426, and MET 472 courses; Faculty Senate approved these changes.**

The next six courses are all new courses in the undergraduate program in Motorsports Engineering.

**MSTE 210      Statics and Dynamics**

**MSTE 297      Computer Tools for Motorsports**

**MSTE 310      Business of Motorsports I**

**MSTE 320      Motorsports Design**

**MSTE 330      Data Acquisition for Motorsports I**

**MSTE 350      Computer-Aided Engineering**

MSTE 210 - Statics and Dynamics, 4 credit hour course. This course combines statics and dynamics, usually two separate courses, into one combined class and also will build on the fact that ultimately where they will end up as Motorsports Engineering students is in vehicle dynamics analysis; different in two ways, one course instead of two but it also will focus on leading into the dynamic analysis of the vehicular system. ME also plans to offer this type of course, but it is not at the development phase where it can serve the immediate needs of the

program. During the Undergraduate Education Committee ME abstained; but recommend Faculty Senate approve.

**A motion was made to approve MSTE 210, Statics and Dynamics; Faculty Senate approved this course.**

MSTE 297 - Computer Modeling for Motorsports, 1 credit hour course. This course will introduce students to computer modeling and is an introductory course for computer aided design using tools such as Pro-E to develop the skills that industry is telling Pete that even internship students need.

**A motion was made to approve MSTE 297, Computer Modeling for Motorsports; Faculty Senate approved this course.**

MSTE 310 - Business Motorsports I, 3 credit hour course. Pete advised the advisory committee they compiled prior to starting the degree felt any student graduating with a B.S. degree in Motorsports Engineering should be exposed to the business aspects of Motorsports because they are different than most industries. They requested a set of courses to introduce the business side, communication side, and marketing side. This is the first of two courses currently being developed by Terri Talbert-Hatch and one external advisor; will subsequently be a MSTE 311 Business Motorsports II.

Charlie Feldhaus asked if the Kelley School of Business has been involved in any of the process of these business courses. Pete advised when there was an inner school discussion about having a larger motorsports program Kelley School of Business was not interested in participating; Law School, Liberal Arts, Hospitality, and others did show interest. Jan Stevens advised when CIT was developing the Computer Technology Application Certificate in some of the course descriptions if the word “business” was used they had to change their focus. Jan gave this information as general information. Mark asked how instructors were being identified to teach these courses. Pete advised they are looking at instructors from the industry and have a large pool to pick from here in Indianapolis.

**A motion was made to approve MSTE 310, Business Motorsports I; Faculty Senate approved this course.**

MSTE 320 - Motorsports Design I, 3 credit hour course. Pete advised there was a strong request by industry advisors to have a summer or year long internship between the junior and senior year. Pete and others agree with this so students can have hands on experience. In order to support this they created a design course at the end of the sophomore year that is half way to the senior design course. These courses are called Motorsports Design I and Motorsports Design II, and will essentially be their capstone design course. This course should ensure that when trying to line students up with potential internship opportunities in the junior and senior year they are ready to do this. This is the project course that will allow them to exercise the skills they have learned in their first few years so when they go out the student is comfortable to be in the industry and the school is comfortable to send the student out to represent the school.

**A motion was made to approve MSTE 320, Motorsports Design I; Faculty Senate approved this course.**

MSTE 330 - Data Acquisition for Motorsports I, 3 credit hours. Pete advised data acquisition is one of the fastest growing aspects of motorsports in the ability to use sensors to read data off of the cars and transmit that back and make decisions as an event is going on. It is particularly large in several forms of the sport, including those based in Indianapolis. They have two growing data acquisition courses in the program, this is the first of those; there was already a similar course taught in the past by an adjunct faculty in the motorsports industry who helped develop the syllabus. This course was previously offered as an ECET 299 course, topics course. It is now part of the curriculum and changed a little bit, and will build on the second course (not presented here today). John Schild questioned if there was any intention of cross listing with ECET; Pete felt the ECET 299 course would not be offered anymore and if they have interest will need to take this course.

**A motion was made to approve MSTE 330, Data Acquisition for Motorsports I; Faculty Senate approved this course.**

MSTE 350 - Computer Aided Manufacturing and Design, 3 credit hour course. Pete advised this course has been requested by the Industry Advisory Committee. This course will take the student through 3D modeling, from the 3D model look at the ability to construct finite element analysis model from the 3D modeling and do stress analysis on the finite element model; and also to take the beginning steps to go to a manufacturing process from the model so that they are not just computer aided design but coupling this to go to computer aided manufacturing.

Mohamed asked if all of the courses will be taught by adjunct faculty. Pete advised they currently have a search and screen committee looking for two full time positions. At present there are 22 students in the program this year, and Terri Talbert-Hatch has had 52 inquiries in September about the program. Pete wants to have adjunct faculty available if necessary to teach the courses while going through the process of hiring full time faculty. He wants to have his options open.

Mark asked if there are any additional hardware/software items needed that the department does not have at this time. Pete advised they need data acquisition hardware and they have put some money in the budget and are working with the premier supplier of this hardware. They are also on the verge of acquiring some vehicle dynamic software through a partnership they are creating with the auto research center.

**A motion was made to approve MSTE 350, Computer Aided Manufacturing and Design; Faculty Senate approved this course.**

**ME 405**       Seminar and Fundamentals of Engineering Review  
**ME 462**       Capstone Design

Karen advised on this pair of courses. The proposed changes would take the existing ME 462, Capstone Design course from a 4-credit hour to a 3-credit hour course, putting the additional 1

credit hour into a seminar function of this course. Razi Nalim advised ME 462 is Capstone Design, but ME wanted students to have additional capstone type experiences other than design, so they decided to separate the course for this reason. ME 405 would be a separate course for a seminar course that will also serve as a review for the FE (Fundamentals of Engineering) exam.

**A motion was made to approve ME 405, Seminar and Fundamentals of Engineering Review and ME 462, Capstone Design; Faculty Senate approved these two courses, pending small paperwork changes.**

### **Spanish/Engineering Dual Degree Programs**

Karen advised she received paperwork from Dean Yurtseven over the summer regarding the Spanish/Engineering Dual Degree Program. The program is in the works, and is currently going through remonstrance on the World Labors, Art side. The information is being brought before Senate to know the program is in the works, if comments, suggestions, will get to World Language Department. The proposals that were sent to the school are 3 plans of study for dual degree programs in Spanish and the various engineering degrees. The goal is that this plan of study would serve as a template that they follow on the current German/Electrical Engineering dual degree. The goal is that this template would work with any world language the department offers along with any engineering program. Karen looked everything over for the BME plan and it covers all of the required courses. John asked what was being massaged; Karen advised there are places where general education electives will be geared toward foreign language study or world culture along with the addition of one technical elective to the BME program to cover the internship abroad. This is a 5 year plan. Karen advised on the BME side there is so much science the first two years that a student may have to take a summer course to fit everything in. There is also an overseas experience where groups would work in an engineering internship. Hasan asked if credit hours change from department to department; Karen advised the total credit hours may vary between degree programs.

**A motion was made to advise the World Languages Department the School of Engineering and Technology endorses this plan; Faculty Senate endorses the dual degree plans between World Language and Engineering.**

**ECE 326/ME 326**      Engineering Project Management  
**ECE 327/ME 327**      Engineering Economics

These courses, previously approved by Undergraduate Education Committee, were approved unanimously for a return to Faculty Senate with the following additional information:

These courses were approved by the Undergraduate Education Committee. There have been concerns of duplicate courses and course content within the school, along with some months of discussion. ECE/ME would like to justify how they will use these courses; both ECE and ME will require an economics course as part of their curriculum. The student would be able to take either the ECE 327/ME 327 or IET 350 to satisfy this requirement. The IET 350 and ECE 327/ME 327 course would have a fairly significant overlap in course content but enough of a difference that ECE/ME would like to justify teaching the new course. The idea is if IET 350 is



offered one semester and ECE 327/ME 327 is offered a different semester students will have an economic course available to them.

ECE 326/ME 326, Engineering Project Management is proposed as a general elective, which may not have significant overlap with other Project Management courses offered in the school; however, these other Project Management courses will also be accepted as general electives.

Karen advised with these clarifications and changes ECE and ME are asking for approval from Faculty Senate.

Mark Bannatyne felt he did not hear anything different from the last time these course requests were discussed, except for the addition of the IET 350 class as satisfying a requirement. What stops anyone from taking the OLS class and IET 350 without creating a new class?

Initially when developing the new course and comparing ECE 327/ME 327 with IET 350, the department felt more material was added to the new course, which justified creating a new course. After discussing with technology faculty, all agreed there were some differences but since differences were not more than 30% agreed to allow the other courses as alternatives.

Charlie Feldhaus advised he was part of conversations initially, he asked why OLS 371 wasn't noted as an equivalent course? If IET 350 is equivalent to ECE 327/ME 327 then Charlie would like to see OLS 371 offered and spelled out as an equivalent to ECE 326/ME 326 Engineering Project Management. There are many project management courses that would be equivalent.

Charlie noted that the other piece to consider; both Engineering and Technology students will be encouraged to take classes in both areas.

Stephen Hundley asked if OLS or someone on the technology side could take these courses, are there any pre-requisites to prevent them from taking these courses; Hasan advised students from both sides could take these courses. The pre-requisite for ECE 327/ME 327 is sophomore standing in engineering; maybe it should say "engineering or technology." Charlie suggested pre-requisite should be changed to reflect both engineering and technology students.

IU and Purdue forms mention "sophomore" standing, but syllabus may need changed. Stephen mentioned he is hearing faculty mention frequency of course offering, and the duplicate course may increase capacity; not merely a duplicate course, courses that are duplicates can still have 30% difference, and this would allow ECE/ME that part to add 30% of their course content.

Charlie advised that faculty from both sides exchanged syllabus, books, and information on their project management courses.

**A motion was made to approve the following courses with corrections noted:**

**ECE 326/ME 326 – Engineering Project Management**

**ECE 327/ME 327 – Engineering Economics**

**Faculty Senate approved the courses with corrections, with one no vote.**

For additional information all of the course documentation can be found at  
G:\COMMON\\_Senate documents\October 2008 documents.

### **IUPUI Faculty Council**

Charlie Feldhaus presented the IUPUI Faculty Council report to the senate. Ed Berbari was unable to make the last IUPUI Faculty Council meeting.

There were two memorial resolutions read; Dr. Richard Haak, from the School of Medicine, and James East, Professor of Rhetoric and Public Address, both of these gentlemen passed away and IFC had a moment of silence for them.

The vote of the at large representative to the IUPUI Promotion and Tenure Committee took place. There were two faculty elected; Carol Brooks Gardner, Liberal Arts – 3 year term; after a 3 way tie, Nancy Eckerman, a librarian with Medicine Library was chosen – 1 year term.

Chancellor Bantz remarks are as follows:

Gene and Marilyn Glick gave \$30M to the Indiana University Eye Institute, \$20M for the building and \$10M for an endowment. This is the largest gift by far given to IUPUI from a single donor.

Master planning for the IUPUI campus is moving along rapidly. There will be a draft of the 10 year master plan (space planning) coming out in November.

The School of Medicine, School of Nursing is set to open Fairbanks Hall in the next few months.

Research 3 is another building that will open on the Medical Campus. Research 3 is located by the people mover and will open in a few months.

The Innovation Center which was a proposal to combine Engineering, School of Science and The Kelley School of Business, did not make the general assembly list this year. There are still conversations about this building, however. The Innovation Center is part of the new planning that we will see, possibly on the corner of the library.

The new administration building is on the agenda, if you have ever been to the AO building you are aware they need a new building. They did not advise where it may be, will wait on master planning. This will happen in the next year.

There is concern about parking lots, and we should have more garages. We may see more garages in the future.

The construction is moving rapidly at the old food court at the University Hotel. This area will be a small conference center and eatery.

Chancellor Bantz also mentioned he is part of the Chronicle and New York Times Advisory Board. He was in New York City last week and there was an unveiling of Epsilon and Ali Jafari. There were some major people who attended, Harvard and Columbia presidents along with business people.

The school is happy with enrollment shaping, but may be getting a little pushback from some of our legislators, how come Indiana children are not getting in Indiana colleges...see what happens. Chancellor

Bantz likes the fact that we are gaining some revenue as a result of Enrollment Shaping and a diverse mix of students, but we will see how this goes.

Honors College is eminent on this campus, will vote on this soon; Honors College does not need to be approved by the Indiana Board of Trustees. As soon as the lawyers find out what needs approved, etc. The Honors College will be a reality.

Chancellor Bantz advised the textbook controversy is back; he has received 3 letters from legislators and numerous emails from citizen's activists groups about textbook pricing.

Dr. Sukhatme gave a brief report on Support for Recruiting Underrepresented Faculty (SRUF). Charlie advised there is about \$500K total, and added \$300K to continue recruiting underrepresented faculty, which was started in 2006. To date we have 38 underrepresented faculty hires, 17 male, 21 female, 13 African American, 13 Asian, 8 Hispanic, 1 Native American, and 3 females. There are 11 in the School of Medicine and we have 4 SRUF faculty in our school.

Simon Atkinson gave the following remarks:

President McRobbie will be giving a State of the University Address today, October 14<sup>th</sup>, at 1:30 p.m.

Chancellor Bantz will give his State of Campus address on November 11<sup>th</sup>, 4:00 p.m. in CE 450.

There has been significant progress by the system wide promotion and tenure task force, issues such as who votes on various campuses' for promotion and tenure, who serves on these committees, etc. There will be more to come on this.

There are some student government issues. Students are pushing for a time break during lunch (no classes offered) and there is a push to enforce dead week prior to finals this year.

It is now time for Chancellor Bantz's review; the review process in choosing the review committee is currently happening.

All IFC committees are up and running if you have anything you want to get to IFC; we will be hosting a campus planning meeting for IFC.

Woodrow Wilson Foundation presentation, this was given to us in August during our back to school convocation.

There was a brief report from Sue Herrill with the IUPUI Staff Council. IUPUI Staff Council will sponsor a blood drive on October 31<sup>st</sup> and there will be an Arts and Craft Fair on November 22, 2008, 10:00 a.m. - 4:00 p.m., in the IUPUI Campus Center Multipurpose Room. Sue also advised short term disability is an option for staff now.

There was a lengthy report on the IT SP 2 – Indiana University Second Information Technology Strategic Plan. This plan is in the making at this time and was started back in May. Hasan Akay advised we have some members on the committee run by about 50 faculty members. The plan will soon be up and shared; currently in draft report, for the IT strategic plan for the next five years. There was an IT plan started in 1998 and it ended in 2008. This particular one is a 5 year plan; the focus is on faculty and student excellence; it is understood that IU has one of the most powerful facilities. But the focus will be on applications by faculty and students. The committee will be asking the school for feedback. Hasan ask if

we would like a presentation on this information, could schedule for next month. If Faculty Senate feels appropriate Hasan could schedule a presentation next month.

Last unfinished business was an update on Chartwell's food service issues. Chartwell's is offering a 30% discount to student and faculty groups for pizza and subs. Chartwell's is trying to be responsive with vegetarian offerings. The food quality has been inconsistent, now in training, constant dialogue with student groups.

*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**

Hasan Akay reminded Faculty Senate there will be a joint meeting of Industry Advisory Boards this Friday. This is an annual gathering where all of the industry advisory board members meet with faculty and students, and there is a poster presentation from faculty and students showcasing their work. Hasan advised we currently have 30 posters to be presented.

IUPUI Graduate Affairs Committee met once to decide on a date for the block grant and discussed how this grant should be distributed and discussed the guidelines. December 15<sup>th</sup> is the deadline to submit our school application for this grant. Departments need to send their reports to the school by December 8.

IUPUI Fellowship application is set for February 23<sup>rd</sup>. Departments will receive official notice. Razi Nalim questioned the date, believes we may not get the top students with the offers this late.

Hasan advised there was also a presentation by the ESL program related to English placement testing given to graduate and international students when they arrive IUPUI. ESL presented statistics with regard to placement testing also; there is a low percentage of students who have to take more than one deficiency course, many students do not have to take any ESL course. Also pointed out the tests given are nationalized tests and computerized, with one section related to composition and essay writing. Someone from English looks at the written part. The English department is not interested in credit hours, even though they are accused of trying to get more credit hours. Hasan's perception is that they take this seriously for the students. One of the courses at the highest level they have to take is replaced by our TCM 460 course.

### **Purdue Intercampus Faculty**

Mark Bannatyne is the representative for Purdue Intercampus Faculty and they will meet on October 28<sup>th</sup>. Please email Mark if you have any items you want him to bring up, in the email subject line just put PIF.

### **Purdue Technology Senate** - No Report

### **Purdue Faculty Senate** – No Report

### **Purdue Graduate Council**

Hasan Akay advised Purdue Graduate Council has met once and right now getting ready to meet this week also.

New courses are proposed for several graduate programs. Hasan noted there is a proposed graduate course in ME on entrepreneurship; pleased to see this that it is a very developed course. This course will probably be approved for use in the master's and Ph.D. programs.

ME program at WL submitted a combined BS/MS degree proposal which similar to a 5 year degree we have in our school in ME and Electrical and Computer Engineering.

Submission of thesis: Purdue has been for the last couple of years using electronic submission process for Ph.D. theses, and would now like to have Master's theses submitted through an electronic processes too. They are looking this year at some pilot studies for applications; in the future only electronic submissions will be possible. Also, for thesis preparations currently both Word and Latex formats are possible. Please encourage graduate students to use Latex format for thesis, which is an easy to maintain style and format. Encourage students to use the Latex option in early stages of their studies.

### **Announcement**

ME will have a birthday party for Dr. Amir Naghdi who has been with IUPUI since 1966. Dr. Naghdi is 80 years old and retired over 10 years ago, but has been teaching 1 course every semester for us. Students respect him; he develops special homework problems because he was advised answers may be on internet.

### **Assessment Committee** – No Report

### **Old Business** – No Report

### **New Business** – No Report

The meeting ended at 12:45 p.m. The next Faculty Senate meeting will be Tuesday, November 11, 2008, 11:00 a.m. in **SL 109**.

## **Dean's Report for October 14, 2008 Faculty Senate Meeting**

### **General**

- Spring 2008 Priority Registration will start on October 20, 2008.
- Fall 2008 student credit hours for school are 4% up. Attached report shows the distributions for each program. The total headcount was up 3.4%.
- Applicants and Admissions statistics show the same trend as the last year. Attached table summarizes this week's numbers.
- E&T Career Connection enjoyed a record for both employer and student attendance. As reported by the student services office the event was a huge success with 56 registered employers and over 450 registered students. We had employers from Ohio, Michigan, Missouri, North Carolina, Texas, Washington, Wisconsin, and various towns throughout the state of Indiana. The preliminary feedback from students and employers has been excellent. Employers were impressed with both the number and caliber of our students, the new location in the campus center, and the overall coordination of the event. All of the employers have expressed interest in returning to the ET Career Connection for 2009. The Engineering and Technology Student Council was instrumental in helping for the success of the event.
- Following a successful Graduate Open House last fall, the School of Engineering and Technology is planning to host a Graduate Open House on Thursday, October 30, from 4:00-7:00pm in the ET Building, 1<sup>st</sup> floor Lobby. All programs will be able to display their programs at the open house. Please encourage your students and prospective candidates to attend.

### **New Grants Received**

- John Lee (ECE) received new research grant of \$100,000 from NSF for his proposal, "CPA-CSA: Development of Parallel Reduced Run-time Complexity Hardware-Oriented Deadlock Algorithms with Proofs and Extensions to Other Areas".
- John Lee (ECE) received new research grant of \$210,000 from NSF for his proposal, "CSR-EHCS, SM: Development of SYMBIOTE, A Reconfigurable Logic Assisted Data Stream Management System for Multimedia Sensor Networks".
- Ghassan Kassab, (BME) received a new research grant of \$412,617 from NIH for his proposal, "A validated Microstructural Mechanical Model of Coronary Arteries".
- Yingzi Du (ECE) received a non-competing continuing research grant of \$98,794 from the Office of Naval Reserve for her proposal, "Selective Feature Based Iris Recognition for Identification".
- Yingzi Du (ECE) received a supplement research grant of \$50,723 from the Office of Naval Reserve for her proposal, "Selective Feature Based Iris Recognition for Identification".
- Mohamed El-Sharkawy (ECE) received a new research grant of \$18,144 from Endress Hausser for his proposal, "Behavioral Modeling of a digital signal processor application".
- Charles Feldhaus (CILT) received a non-competing continuing service grant of \$46,637 from Metro School District of Washington Township, for his proposal, "University Students Mentoring Elementary Students in STEM subjects".
- Jian Xie (ME) received a new research award of \$159,107 from General Motors, for his proposal, "Storing hydrogen using enhanced physical adsorption through polarizing hydrogen molecules".
- Jie Chen (ME) received a supplement research grant of \$10,000 from Oscar, Inc. for his proposal, "Development of Force Based Orthodontic Appliances".
- Hasan Akay (ME) received a new service grant of \$31,922 from Engineering Design and Analysis, for his proposal, "Development of an Incompressible Overset Mesh Interface for Unstructured Mesh Generator MESHeda".
- Steven Rovnyak (ECE) received a new research grant of \$301,776 from I-Power, for his proposal, "Hybrid intelligent Power Management Phase I."

### **Staff News**

## **Attachment 1 – Administrative Report from Dr. Yurtseven**

- Erich Bauer from the Center for Teaching and Learning (CTL) has joined our school as an instructional technology support staff effective immediately. Erich brings tremendous experience with Oncourse, teaching best practices and an understanding of the many technologies used in instruction. He will be a resource for faculty and staff who may have questions or difficulties in these areas. Erich's office is located in ET 314H and he is available for drop in or phone assistance. Erich is gradually transitioning to our school and will begin spending time here on Wednesdays. He can also be reached by phone at 278-2435 or email [ejbauer@iupui.edu](mailto:ejbauer@iupui.edu). In addition to experience with the CTL, Erich holds both OLS and CIT degrees from our school. Faculty are encouraged to take advantage of the services provided by Erich.