

Engineering Technology Industry Council
Meeting held November 18, 2005 at CAPITAL Center

Voting Members Present:

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| Norm Armour | LSI |
| Gerhard Beenen | Steridian |
| Eileen Boerger | Agilis Solutions |
| Robin Furness | PacifiCorp |
| Michelle Girts | CH2M Hill |
| Gary Kaleta | Gunderson/OMI |
| Chris King | ODSIC |
| Kathy Miller | Hewlett Packard |
| Wally Rhines | Mentor Graphics |
| Jim Troisi | IBM |
| Fred Ziari | EZ Wireless |

Non-Voting Members Present:

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| Ron Adams | OSU |
| Jim Craven | AeA |
| Martha Anne Dow | OIT |
| Rich Linton | UO |
| John Miller | EOU |
| Bruce Schafer | OUS |
| John Tortorici | SAO |

Other Attendees:

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| Rajiv Arya | OIT |
| Cynthia Brown | PSU |
| Malgorzata Chrzanoska-Jeske | PSU |
| Joyce Cresswell | Saturday Academy |
| Carla Faini | MESA |
| Ron Geason | PSU |
| Joe Graf | SOU |
| Steve Hanson | OHSU/OGI |
| Dave Johnson | UO |
| Molly Knott | OSU |
| Jim Lundy | OSU |
| John Marsaglia | WOU |
| Andrzej Proskurowski | UO |
| Roger Rennekamp | OSU Extension/4H |
| Bill Roberts | OHSU/OGI |
| Sam Stern | OSU |
| Jan Van Santan | OHSU/OGI |
| Michele Vitali | OUS |
| Michal Young | UO |

Michelle Girts, ETIC Chair, opened the meeting by asking for approval of the minutes of the meeting on September 23, 2005. A motion was made, seconded and unanimously approved to accept the minutes.

Jim Craven took a moment to let everyone know that Senator Tom Hartung, the “Father of ETIC,” passed away this week at age 78.

Discussion of 2005-2009 Research Areas

As a carryover from the last meeting, an updated list of ideas for areas for industry/university research collaboration was distributed and is posted at <http://www.oregonetic.org/meetings/ResearchAreasRollUpA.pdf>. Ideas presented from industry are above the line within each category, and areas of future research identified by the universities are below the line. Each school ranked the categories on a scale of 0 to 10. Michelle explained that the list of potential and/or ongoing research areas in the state are intended to provide us with ideas of where we may want to focus our future investments as we enter the planning process for the next biennium.

Engineering Technology Industry Council

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Feedback from the group included:

- Perhaps there is a way to get this into the Oregon Business Plan, which could be our best link.
- The clusters are in various stages of development.
- ETIC can be most helpful in areas that build capacity and by providing seed money which can be leveraged for federal funds.
- We may want to consider having the universities rate the areas submitted by the other universities.
- SOU and OIT data was noted as incomplete. Bruce will follow-up.
- Bruce also clarified that no Research RFP funds were allocated in the current 05-07 biennium.

2007-2009 Planning Process

Bruce recapped the planning RFP process from 2 years ago and noted that we didn't allocate enough time for using industry feedback to improve the proposals. Rich Linton suggested that a key issue to resolve for this time is whether ETIC funds are considered seed money or building on existing strengths. It was also noted we may want to look more closely at collaborations.

Dave Johnson noted that ETIC has been most helpful by providing start-up money for hiring research faculty. Chris King noted that ETIC members are concerned about underwriting faculty members for long periods of time. Michelle said the Board's AEED working group had questioned the extent to which ETIC allocations are used for sustaining existing investments vs. initiating new ones.

Regarding the list of research areas:

- Michelle Girts suggested the ETIC members develop specific criteria and distribute them before the next RFP.
- It was agreed that a full inventory might be helpful for educating members, but not necessary for the RFP process.
- It was estimated by the universities that the list represents about half of the research conducted on their campuses.

OSU Education Double Degree Program

Sam Stern, Dean of the OSU College of Education, gave a presentation to the council. It can be viewed at <http://www.oregonetic.org/meetings/Stern11-18-05.pdf>. He provided an overview of their new approach, which is to offer a full content degree followed by a teaching degree for those wanting to teach K-12 in the math, science and technology areas. Through this innovative program, which is similar to an honors degree program, OSU students are able to graduate in four years with two bachelor's degrees and a teaching certificate. The first batch of 26 graduates will be graduating this year.

Ratification of decisions on UO GK-12 and IGERT proposals

Michelle thanked the ETIC voting members for participating in a separate session to resolve an issue that stemmed from the last ETIC meeting.

Regarding the UO IGERT (Integrated Graduate Education and Research Training) request for \$300K per year, ETIC recommends funding the proposal at \$300K for 06-07, using ETIC fund balances from prior biennia. The remaining \$72K in fund balances will be held for use in future innovative proposals.

Regarding the UO GK-12 (Graduate K-12 Partnerships) request for \$200K per year, ETIC encourages UO to submit their proposal for the ETIC Pre-College RFP and be considered on their merit by an independent committee with no prior direction from ETIC.

Update on Computer Science Task Force

Bruce updated the council on the work of the computer science task force, which consists of a diverse group of industry and academic representatives. He reviewed their scope of recommendations, the first one being to improve perceptions of computer science as a major and a career choice. A marketing campaign is being executed that targets high school students, parents, counselors and teachers. Interviews of alumni and current students have taken place, and two high school focus groups have been conducted. Executive interviews are underway, and a new website is being designed with an aggressive goal for a pilot rollout in February. A more comprehensive plan will be completed prior to a complete campaign.

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Bruce explained that the task force is developing recommendations in a second area -- improving pre-college preparation for computer science as a college major. They expect to address standards/curricula, professional development, co-curricular programs and funding.

Report on Pre-Engineering Summit and Allocation of ETIC Planning Funds

Bruce provided an overview of the Oregon Pre-Engineering & Applied Sciences (OPAS) Strategic Planning Summit that took place September 15th and 16th. The summit was sponsored by the Intel and Lemelson Foundations, the Oregon Dept. of Education and Community Colleges and Workforce Development, as well as the Oregon University System. A great deal of work was accomplished in those two days, but a lot remains to be done.

Five major themes were identified at the summit:

1. Motivation
2. Preparation
3. Diversity
4. Transfer
5. Retention

Nine additional focus areas were identified and used as breakout groups:

1. Alignment & Coordination: System-wide
2. Alignment & Coordination: Curricula & Co-curricula
3. Career Pathways
4. Diversity
5. Instructional Professional Development
6. Marketing Engineering & Applied Science Careers
7. Standards, Courses & Curricula
8. Student Success
9. Best Practices

Bruce distributed copies of the [Executive Summary](#). A full detailed report is also available at the www.opas.ous.edu website. The follow-up survey is complete. Next steps include establishing about eight committees and task forces. Bruce recommended that ETIC approve use of the pre-college planning allocation of \$38,000 in the ETIC budget for the current fiscal year to support this effort. This allocation will underwrite modest staff support, materials and meeting expenses. A motion was made, seconded and unanimously approved to use the \$38,000 in pre-college planning funds to support the efforts of these additional committees.

Pre-College Request for Proposals

Bruce provided an update on the [PreCollege RFP](#), suggesting ETIC use the same criteria as recommended at OPAS. He reviewed the timeline for receiving proposals, which would commence with distribution of the RFP December 2nd. A motion was made, seconded and unanimously approved to distribute the Precollege RFP as a 15-month project and include both years to go through June 2007.

03-05 Scorecard Overview

Bruce provided overview slides based on rollups of the June 30, 2005 scorecards. The carry forward balance at the end of the biennium (\$5.376M) was somewhat less than that going in to the biennium (\$7.525M). We also exceeded our 03-05 forecasts for private support by \$6.6 million. In metrics, student credit hours were below forecast. In degrees granted, we were above forecast, however there was no growth from 2004 to 2005. And in research expenditures, we exceeded our forecast in aggregate for both years.

Copies of the charts are located on the website at <http://www.oregonetic.org/scorecards/03-05/03-05Summary.pdf>

Scorecard Reports

SOU:

Joe Graf presented SOU's final biennium progress report. The scorecard is located at <http://www.oregonetic.org/scorecards/03-05/SOU2005-0630.pdf>.

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UO/CIS:

Andrzej Proskurowski presented UO/CIS's final biennium progress report. The scorecard is located at <http://www.oregonetic.org/scorecards/03-05/UOcis2005-1118.pdf>.

UO/MSI:

Dave Johnson presented UO/MSI's final biennium progress report. The scorecard is located at <http://www.oregonetic.org/scorecards/03-05/UOmsi2005-1017.pdf>

WOU:

John Marsaglia presented WOU's final biennium progress report. The scorecard is located at <http://www.oregonetic.org/scorecards/03-05/WOU2005-0630.pdf>.

PreCollege:

Joyce Cresswell of Saturday Academy presented the precollege collaborative's final biennium progress report. The scorecard is located at <http://www.oregonetic.org/scorecards/03-05/pre-college2005-0630.pdf>.

There being no further business, the meeting was adjourned.