

Engineering Technology Industry Council
Meeting held October 16, 2009 at CH2M Hill

Voting Members

Eileen Boerger	CorSource
Lisa Graham – phone	Bend Research
Art Johnson	KPFF
Gary Kaleta	Gunderson/OMI
Eric Meslow	Timbercon
Kathy Miller	H-P
Steve Pawlowski	Intel
Mike Rohwer - phone	PHTech
Paul TenZeldam	Tektronix
John Willis	CH2M Hill
Craig Zemke	Jeld-Wen
Fred Ziari	ezWireless

Nonvoting Members

Ron Adams	OSU
Charlie Jones	OIT
Bruce Schafer	OUS

Other Attendees

Betsy Earls	AOI
Dan Hammerstrom	PSU
Dave Johnson	UO
Marilyn Levine	EOU
Jim Lundy	OSU
John Marsaglia – phone	WOU
Misha Pavel	OHSU
Greg Pleva	SOU
Bradley Tebo	OHSU
Jan vanSanten	OHSU
Michele Vitali	OUS

As Chair Steve Pawlowski was slightly delayed to the meeting, Vice Chair Eric Meslow opened the meeting and asked for approval of the July 24, 2009 minutes. A motion was made, seconded and unanimously approved to accept the minutes.

Ratification of 2009-2011 OPAS RFP awards

Bruce reviewed the 2 recent precollege RFPs that were received and reviewed by 3 committees:

1. RFP to Non-Profits

- **High school internship program**

One high quality proposal was received from Saturday Academy which would fund 15 summer interns focusing on engineering in each of two summers. The committee recommends funding at budgeted \$65,000.

- **Computer science pre-college curriculum and professional development**

One high quality proposal was received from TechStart Foundation in collaboration with Chemeketa Community College for developing computer science curricula and training Oregon Teachers. The committee recommends funding at budgeted \$140,000.

2. RFP to Campuses

- **Out-of-school-time programs for project-based learning in engineering and applied sciences**

Four proposals were received from OSU and OIT. The committee recommends funding two proposals: OSU SMILE in collaboration with 4H for \$216,115; and OSU College of Engineering Center for Outreach in Science and Engineering for Youth Summer Camps for \$99,619. This leaves an unspent remainder of \$9,266 out of the budgeted \$325,000.

Bruce noted that the reviewers liked seeing targeted proposals in proven methods, with statewide access. Other OPAS RFPs to come in the next months will be for Project Lead The Way and eChamp (Engineering Coaching and Mentoring Program). A motion was made, seconded and unanimously approved to award the RFPs as outlined above.

Strategic Planning - Centers of Excellence Presentations

Each campus was given the opportunity to identify one or two areas where it could grow a center of excellence if it had additional resources.

Out of a special strategy session held September 15, 2009 came some possible criteria for selecting a center of excellence:

- Leverages existing expertise and provides opportunity to grow this expertise
- Provides opportunity to collaborate with other Oregon campuses and/or industry partners
- Aligns with federal funding priorities and opportunities
- Aligns with existing or emerging industry strengths in Oregon
- Provides opportunity to create a center that will be nationally and globally competitive, attracting the best faculty and the best students.

During that session between voting and nonvoting members, five general categories were identified:

1. Cyber Security
2. Energy
3. Food/Agriculture/Forestry
4. Health Technology
5. Water

EOU – Marilyn Levine presented their vision for a Center for Environmental Resources and Technologies

OHSU – Jan vanSantan presented their strategy for both Neurotechnology and Emerging Ocean Technologies for Ecosystem and Human Health.

OIT – Charlie Jones presented their strategy for Renewable Energy through their Oregon Renewable Energy and Geo Heat Centers.

OSU – Ron Adams presented their sustainable energy and infrastructure strategy called “SENERGI” which links to their strengths in energy generation, conservation and management.

PSU – Dan Hammerstrom presented their strategy for both Regional Sustainability and for a PSU/OHSU Center for Health Technology.

SOU – Greg Pleva presented their vision for a center of excellence in Computer Security and Forensics.

UO – Dave Johnson presented their strategy for their Center for Green Materials and Chemistry.

WOU – John Marsaglia presented their strategies for centers in Cyber Security and Health Technology.

Steve Pawlowski reminded the Council that we started this process of presenting new centers of excellence to attract more faculty, students and research dollars after the September 15, 2009 strategy held at Intel. The idea was that we could create these centers of excellence and use them get federal funding. Some of the universities are fairly far along. We’ll still be pushing in Salem for the state funding, but want to reach for more.

The campuses were thanked by several members for providing such well thought and compressed presentations. They liked the uniqueness and stressed it should be areas advantageous to Oregon. Eric Meslow noted we should be careful not to lose our window of opportunity for market share.

Kathy Miller was also impressed and thinks we still need to knit this through in a tighter package. The power is the connection and its relationship to ETIC. Kathy and Eric agreed to help participate in weaving this together before the next step of requesting campus proposals.

Retention Task Force Recommendations

Bruce reminded the Council that about a year ago we decided we needed to do a better job of retaining the students that complete the degrees. All of the campuses have joined a Retention Task Force, along with a couple ETIC industry members and they have been reviewing best practices in several categories, including:

- Bridge programs
- Community building programs
- Early exposure to research
- Lower-division programs
- Minority programs
- Project-based learning
- Women’s programs

Their first recommendation is that the intro engineering and computer science courses should be more project- and team-based. Additional recommendations are for community building and mentoring programs for incoming students. The next step will be to create and offer faculty workshops with best practices and recognized experts, which will be organized and funded by Bruce's department of Industry Affairs.

There was discussion about how we would motivate the professors to show up. We will need to develop the content and then encourage the right people to attend. The professors will also need to hear that ETIC thinks this is very important.

Campus Scorecard Presentations – 07-09 Biennium

Bruce presented an updated roll-up of the 6/30/09 end-of-biennium scorecards which can be found on the ETIC website at http://www.oregonetic.org/scorecards/07-09/FY09_rollup101609.pdf

OSU– Ron Adams presented the 6/30/09 scorecard report which can be found on the ETIC website at <http://www.oregonetic.org/scorecards/07-09/FY09OSU06-30.pdf>

PSU– Dan Hammerstrom presented the 6/30/09 scorecard report which can be found on the ETIC website at <http://www.oregonetic.org/scorecards/07-09/FY09PSU06-30.pdf>

SOU– Greg Pleva presented the 6/30/09 scorecard report which can be found on the ETIC website at <http://www.oregonetic.org/scorecards/07-09/FY09SOU06-30.pdf>

UO– Dave Johnson presented the 6/30/09 scorecard report which can be found on the ETIC website at <http://www.oregonetic.org/scorecards/07-09/FY09UO06-30.pdf>

WOU– John Marsaglia presented the 6/30/09 scorecard report which can be found on the ETIC website at <http://www.oregonetic.org/scorecards/07-09/FY09WOU06-30.pdf>

Ron Adams noted that at least 3 of the schools here participate in MECOP (industry scholarships) and wondered if that is or can be included as private support leverage. It's a very large number and we should be counting it somewhere. Bruce will verify this. Steve added it would be nice to get a good sample size of where the MECOP graduates wind up.

There being no further business the meeting was adjourned.