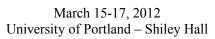


### 82<sup>nd</sup> Annual Pacific Northwest Section

# **ASEE Conference**





## **Program**

Thursday, Ma	Thursday, March 15				
5:00 - 8:00	Registration – Shiley 3rd floor				
5:00 - 6:00	Reception – Shiley 3rd floor				
6:00 – 7:20	Pre-conference workshop – Shiley 301  • "A Team Approach to Developing Active Learning Curriculum," Mike Kyte, Steve Beyerlein, Dan Cordon, Univ. of Idaho; Kelly Pitera, Univ., of Wash.; Ming Lee Univ. of Alaska				
7:30 – 9:00	Business meeting – Shiley 301				
Friday, March 16					
7:30 - 8:00	Registration and coffee / pastry – Shiley 3rd floor				
8:00 – 10:00	<ul> <li>Plenary session – Shiley 319</li> <li>Welcome, Dr. Sharon Jones, Dean – Donald P. Shiley School of Engineering</li> <li>Keynote address, "Facilitating Student Success," Dr. Raymond Landis, Dean Emeritus of Engineering, Computer Science, and Technology, California State Univ., Los Angeles</li> </ul>				
10:00 - 10:20	Social break – Shiley 3rd floor				
10:20 – 12:00	Session 1A – Shiley 319 Outreach and retention – Richard Bankhead	Session 1B – Shiley 301 Freshman experiences – Steve Beyerlein			
12:00 – 1:00	Lunch – Bauccio Commons				
1:00 – 2:00	<ul> <li>Presentation – Bauccio Commons, "Graduate Attributes Assessment – 0 to 60 in Two Years Flat," Dr. Robert Driver, Univ. of Alberta</li> <li>Year of Dialogue discussion – Marilyn Dyrud, Oregon Institute of Technology</li> </ul>				
2:15 – 3:55	Session 2A– Shiley 319 Dr. Raymond Landis Workshop	Session 2B – Shiley 301 Capstone and project-based classes – Steve Beyerlein			
3:55 – 4:10	Social break – Shiley 3rd floor				
4:10 – 5:30	Session 3A – Shiley 319 Activity design – Dan Cordon	Session 3B – Shiley 301  Program and course development – Marilyn Dyrud			
5:45 - 6:30	Dinner reception – Bauccio Commons				
6:30 – 8:15	Dinner – Bauccio Commons  • Presentation, "Improving student success in engineering through enhancing 3-D spatial skills," Dr. Sheryl Sorby, Ohio State University				
Saturday, March 17					
8:00 - 8:30	Coffee – Shiley 3rd floor				
8:30 – 11:00	Workshop – Shiley 319: "Education-related Proposals for the National Science Foundation with a focus on the Noyce Program," Dr. Sheryl A. Sorby, Ohio State Univ.				
8:30 – 11:30	Workshop – Shiley 249: Joint ASEE/IEEE Education Chapter Workshop on The Digilent Electronics Explorer Board, Dr. James E. Morris, Portland State University				



Saturday Workshop – Education-related Proposals for

the National Science Foundation with a focus on the

Noyce Program – Shiley 319, 8:30-11:00

## 82<sup>nd</sup> Annual Pacific Northwest Section ASEE Conference

March 15-17, 2012 – University of Portland Shiley Hall



### **Session Details**

Session 1A – Outreach and retention Shiley 319 – Friday, 10:20-12:00		Session 1B – Freshman experiences Shiley 301 – Friday, 10:20-12:00		
Susan Patterson	Women engineering transfer students: the community college experience	Milinda Holtzman Phillip Wong Portland St. Univ.	In-depth look at redesign of freshman electrical engineering courses for improved motivation and early introduction of design	
Melodie Selby Walla Walla Univ.	"Had I but known": transitioning from engineering practice to academia	Tammy VanDeGrift Univ. of Portland	A first-year design project combining LEGO® MINDSTORMS® kits and other materials	
Grant Baker Univ. Alaska Anchorage	Creating pathways to engineering for youth in Alaska	Steven Zemke Gonzaga Univ.	Introduction to engineering course at Gonzaga University	
Jeffrey Heys Montana St. Univ.	An analysis of factors impacting retention and student success in chemical and biological engineering at Montana State University	Laura Patterson Univ. of B. C., Okanagan	Community service learning in a first-year engineering communication course: preliminary reflections	
Christof Teuscher Portland St. Univ.	Design of a research internship program for high school students	Ellen Momsen Oregon St. Univ,	Engineering 1,000: implementing an activity-based orientation program for over 1,000 students	
Session 2A – Dr. Raymond Landis Workshop Shiley 110 – Friday, 2:15-3:55		Session 2B – Capstone and project-based classes Shiley 301 – Friday, 2:15-3:55		
Workshop to model active learning approaches for building first-year engineering students into learning communities, strengthening their commitment to engineering, and facilitating change in their attitudes and behaviors to those appropriate to success in math/science/engineering coursework.		Martin Weiser Eastern Wash. Univ.	Putting more engineering into capstone design and senior project courses – work in progress	
		Branimir Pejcinovic Portland St. Univ.	Microwave circuit design through active learning	
		Craig Johnson Central Wash. Univ.	Engineering project management and entrepreneurship in mechanical engineering technology	
		Iris Baiocchi	Laboratory classes: some ideas	
		Jie Sheng Univ. of Wash., Tacoma	Continuous improvement in CES capstone design course at UW Tacoma	
Session 3A – Activity design Shiley 319 – Friday, 4:10-5:30		Session 3B – Program and course development Shiley 301 – Friday, 4:10-5:30		
Tanya Crenshaw Univ. of Portland	Setting up a "capture the flag" game for a computer security course	Santosh Devasia Univ. of Wash.	Integrating nanopositioner design issues into an existing automatic controls course	
Gary Spivey Michael Foster George Fox Univ.	Preparing engineers for service	Stanley Klemetson Utah Valley Univ.	Innovations in articulating two-year and four- year engineering and technology programs at Utah Valley University	
Katherine Golder B. C. Inst. Tech.	Engaging students in engineering communication with competition and prizes	Robert Albright Univ. of Portland	Numerical and graphical illustrations of fundamental concepts in automatic control systems	
Puttipong Mahasukhon Idaho St. Univ.	Signals and systems: theory and practice			

Saturday Workshop – Joint ASEE/IEEE Education

Chapter Workshop on The Digilent Electronics

Explorer Board – Shiley 249, 8:30-11:30