

# Cross-Institutional International Perspective in Engineering

Tuesday, May 23, 2017 | 9:00 – 3:00

## Workshop Agenda

Lehigh University Center, Room 303

Mary Besterfield-Sacre, University of Pittsburgh | Cheryl Matherly, Lehigh University  
 Gisele Ragusa, University of Southern California | Larry Shuman, University of Pittsburgh  
 Scott Streiner, University of Pittsburgh | Lisa Benson, Clemson University (Evaluator)

We will present the results from the NSF-funded multi-institutional study assessing the impact of international education experiences on the global preparation of engineering students. The research team will present a model for globally prepared engineers and data on how different types of experiences (i.e. study abroad, internships, research) and program features (i.e. duration, location) impact student learning outcomes.

Time	Description	Overview
9:00-9:15	Workshop Overview	Workshop designed around study participant feedback <ul style="list-style-type: none"> <li>• Big picture of the results</li> <li>• Hallmarks of success</li> <li>• Semantic map and how to use</li> <li>• What is next in international engineering education</li> <li>• How to use the GPI data</li> </ul> Method <ul style="list-style-type: none"> <li>• Data driven break-out sessions to share expertise across institutions</li> <li>• Website to access information</li> </ul>
9:15-9:50	Big Picture of the Results	Research studies and major takeaways <ul style="list-style-type: none"> <li>• Study 1 – Delphi Method and Semantic Map</li> <li>• Study 2 – Mixed Methods Study with 4 Institutions</li> <li>• Study 3 – Cross Institutional Study</li> </ul>
10 min	Email/Personal Break	
10 – 10:50	Hallmarks of Success - 1	<ul style="list-style-type: none"> <li>• Experiences that have impact (10 min)</li> <li>• World Café (35 min)                             <ul style="list-style-type: none"> <li>○ Daniela Ascarelli, Drexel Univ                                     <ul style="list-style-type: none"> <li>▪ Intensive Courses Abroad (GLOBAL FOCUSED COURSE)</li> </ul> </li> <li>○ Reid Bailey, Univ of Virginia                                     <ul style="list-style-type: none"> <li>▪ UVA in Argentina and UVA in Sweden (STUDY ABROAD)</li> </ul> </li> <li>○ Kent Rissmiller, Worcester Polytechnic Institute                                     <ul style="list-style-type: none"> <li>▪ WPI Global Project Program (TECHNICAL/RESEARCH PROJECT)</li> </ul> </li> <li>○ Jennifer Evanuiik Baird, Georgia Tech                                     <ul style="list-style-type: none"> <li>▪ GT Global Internship Program (INTERNSHIPS)</li> </ul> </li> </ul> </li> <li>• Shared Ah-ha's (5 min)</li> </ul>
10 min	Email/Personal Break	
11 – 11:55	Hallmarks of Success – 2	<u>The Session Plan</u> <ul style="list-style-type: none"> <li>• The impact of factors on global perspectives (e.g., duration, engineering focused, reflection, service learning) (10 min)</li> <li>• World Café 40 min                             <ul style="list-style-type: none"> <li>○ Mary Anne Walker, Michigan State Univ                                     <ul style="list-style-type: none"> <li>• International Internships/Education Abroad (INTERNSHIPS)</li> </ul> </li> </ul> </li> </ul>

Time	Description	Overview
		<ul style="list-style-type: none"> <li>○ Miranda Roberts, Univ of Michigan <ul style="list-style-type: none"> <li>● Customized Summer Programs (STUDY ABROAD)</li> </ul> </li> <li>○ Gayle Elliott, Univ of Cincinnati <ul style="list-style-type: none"> <li>● International Co-Op Program (INTERNSHIP)</li> </ul> </li> <li>○ Andrew Wingfield, Univ of Colorado - Boulder <ul style="list-style-type: none"> <li>● Global Engineering Minor (GLOBAL FOCUSED COURSE)</li> </ul> </li> <li>○ Sigrid Berka, Univ of Rhode Island <ul style="list-style-type: none"> <li>● International Engineering Program (STUDY ABROAD)</li> </ul> </li> <li>● Share Ah-ha's (5 min)</li> </ul>
12 – 12:50	Buffet Lunch	<p>Conversation topic</p> <ul style="list-style-type: none"> <li>● <i>How might we promote more exchanges between countries and networking? What strategies might we exchange across countries to better facilitate networking our various programs?</i></li> </ul> <p>Perspectives from our international participants</p> <p>Guest Speaker</p> <ul style="list-style-type: none"> <li>● Dan Kramer, Institute of International Education</li> </ul>
10 min	Email/Personal Break	
1 – 1:50	Using the Semantic Map (Study1)	<ul style="list-style-type: none"> <li>● Semantic map and its features (10 min)</li> <li>● Jigsaw (30 min – 15 per session) <ul style="list-style-type: none"> <li>○ Breakout session 1 (by area) <ul style="list-style-type: none"> <li>▪ Programming</li> <li>▪ Assessment</li> <li>▪ Learning objectives</li> <li>▪ Local Partnerships (on/off campus)</li> <li>▪ International Partnerships</li> </ul> </li> <li>○ Second breakout 2 (cross-pollinate)</li> </ul> </li> <li>● Share Ah-ha's (5 min)</li> </ul>
10 min	Email/Personal Break	
2-2:30	How Institutions Have Used Data (Study 2)	<ul style="list-style-type: none"> <li>● Lighting talks <ul style="list-style-type: none"> <li>○ Univ of Rhode Island</li> <li>○ Michigan State Univ</li> <li>○ Univ of Pittsburgh</li> </ul> </li> <li>● Participant questions</li> </ul>
2:30 – 2:55	What should we be doing next for international education?	<p>Open forum for discussion (Moderator: Lisa Benson)</p> <ul style="list-style-type: none"> <li>● <i>What is next in international engineering education? Some have indicated that it is lagging behind other areas of education research, especially in STEM. What else should we be looking at?</i></li> <li>● <i>What are the issues facing international education; and how do we answer them?</i></li> </ul>
2:55 – 3:00	Closing Remarks	<ul style="list-style-type: none"> <li>● Post Workshop Summaries</li> <li>● Evaluation Survey</li> <li>● Post Workshop Fun?</li> </ul>