

Dear Colloquium Participants,

Welcome to this year's *Annual Colloquium on International Engineering Education*, which was first initiated 15 years ago by pioneer John Grandin and a few visionary colleagues from across the country. Originally created as a forum to disseminate working models and exchange best practices for educating our engineering students as future global leaders, the conference is even more relevant now. Today we focus our attention on seeking solutions to the crisis in higher education that has arisen from the economic downturn, and the fact that more than 50% of graduating students, with enormous college debts to settle, remain unemployed or underemployed.

The *15th Annual Colloquium, Globalizing Across the Curriculum*, offers answers to this crisis through plenaries and roundtable discussions. We are educating our graduates as global citizens and making them much more competitive for jobs world-wide by enriching our campuses with a Portfolio of International Engagement Opportunities, by Educating Global Leaders and Entrepreneurs, and by Incentivizing Language Learning in the STEM Disciplines Through Dual Degree programs. In Building Successful Public-Private Partnerships, we are moving towards a multilingual workforce.

Three workshops are aimed at offering toolboxes to achieve proficiency in the teaching and practice of bridging engineering and science with the languages:

*Languages for the Professions, Languages Across the Curriculum*

Showcases successfully implemented and innovative teaching and learning modules combining math, (life) science, business, and engineering curricula with foreign languages, and how to (team) teach them.

*How to Get Started with International Engineering and Work Abroad Programs*

Designed to bring the wisdom and experience of established international engineering programs to those seeking to launch new initiatives, and how to make them work.

*How to Assess the Impact of Existing International Engineering Programs*

Addresses how we assess the success and impact of existing international engineering programs, and how we measure what impact the study or internship abroad experience has had on the life and professional development of a participant.

I would like to thank our Steering Committee and Colloquium sponsors for their great support in organizing the colloquium, and wish you two and a half days of inspiring exchanges and networking!

Sigrid Berka

**URI Organizers**

Sigrid Berka, IEP Executive Director  
Angela Graney, IEP Living/Learning Communities Coordinator  
Heather Price, IEP Coordinator

**Steering Committee Members**

Mufit Akinc, Iowa State University  
Ilka Balk, University of Kentucky  
Sigrid Berka, University of Rhode Island  
Gayle Elliott, University of Cincinnati  
John Grandin, University of Rhode Island  
Eckhard Groll, Purdue University  
Steven McLaughlin, Georgia Institute of Technology  
Mark Rectanus, Iowa State University  
Gregg Warnick, Brigham Young University

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THE CURRICULUM

15TH ANNUAL COLLOQUIUM ON  
INTERNATIONAL ENGINEERING  
EDUCATION

NOVEMBER 1-3, 2012  
NEWPORT, RHODE ISLAND

THINK BIG WE DO<sup>SM</sup>



## Thursday, November 1

7:00 AM - 6:00 PM **Registration** Viking Foyer  
7:00 AM **Breakfast**

7:30 AM - 12:30 PM **Tour of FM Global Research Campus** Off Site  
*Bus leaves the hotel at 7:30am*  
*Moderator: Katherine Klosowski, FM Global*

8:30 AM - 12:30 PM **Workshop I: Languages for the Professions** Salon ABC  
  
Chad Gasta, Iowa State University  
Wen Xiong, University of Rhode Island  
Damon Rarick, University of Rhode Island  
Michael Doyle, University of North Carolina at Charlotte  
  
*Moderator: Megan Echevarría, University of Rhode Island*

1:00 - 2:30 PM **Lunch** Bellevue Room

**Keynote Address: Jens Hanefeld, Deputy Chief of Mission, German Embassy, Washington D.C.**

**Introduction: Winifred Brownell, Dean, College of Arts & Sciences, University of Rhode Island**

2:45 - 4:15 PM **Plenary Session I: Educating Global Leaders and Entrepreneurs and Preparing Cross-Cultural Skills for Global Teams** Salon ABC  
  
Gregg Warnick, Brigham Young University  
Mark Rectanus, Iowa State University  
Nina Polok, University of Colorado Springs  
Jina Kang, Seoul National University  
  
*Moderator: Claudia Schütt, Deputy Consul General of Germany*

4:30 - 6:00 PM **Roundtable I: Developing a Campus Portfolio of Varied Opportunities for International Engagement** Salon ABC  
  
Eckhard Groll, Purdue University  
Amy Henry, Georgia Institute of Technology  
Comelia Marin, Université de Technologie de Compiègne  
Yvonne Rudman, Montana State University  
Tom Hope, Tokyo Institute of Technology  
Duleep Deosthale, Manipal Global Education and American Univ. of Antigua  
  
*Moderator: Sigrid Berka, University of Rhode Island*  
*Introductions: Nancy Stricklin, University of Rhode Island*

6:15 - 7:15 PM **Reception** Salon DE  
**Remarks:** Donald DeHayes, Provost, University of Rhode Island

7:30 - 9:30 PM **Dinner and Keynote Address** Bellevue Room

**Keynote Speaker: William Colglazier, Science and Technology Advisor to the Secretary of State, U.S. Department of State**

**Introduction: David Dooley, President, University of Rhode Island**

## Friday, November 2

7:30 AM - 2:00 PM **Registration** Viking Foyer  
7:30 - 8:30 AM **Continental Breakfast** Viking Foyer

8:30 - 10:00 AM **Plenary II: Collaborations Between Academic Partners and with Industry** Salon ABC  
  
Sehnaz Özden, Continental AG  
Jim Trent, Brigham Young University  
Jennifer DeBoer, Massachusetts Institute of Technology  
Marcio Lobo Netto, Escola Politécnica da Universidade de São Paulo  
Joerg Mossbrucker, Milwaukee School of Engineering  
  
*Moderator: Nicole Sanderlin, Virginia Tech*

10:30 AM - 12:00 PM **Plenary III: Incentivizing Foreign Language Studies in the STEM Disciplines Through Various Degrees** Salon ABC  
  
Lars Erickson, University of Rhode Island  
Constantine Anagnostopoulos, University of Rhode Island  
Eckehard Doerry, Northern Arizona University  
Sebastian Fohrbeck, German Academic Exchange Service  
Emilienne Baneth-Nouailhetas, Embassy of France, Washington, D.C.  
  
*Moderator: Heather Price, University of Rhode Island*

12:15 - 2:15 PM **Luncheon and Keynote Address** Bellevue Room

**Keynote Speaker: Shivan Subramaniam, Chairman & CEO, FM Global "Global Engineers of Tomorrow: Effectively Preparing Your Students Today"**

**Introduction: Raymond Wright, Dean, College of Engineering, University of Rhode Island**

2:30 - 4:00 PM **Plenary IV: Alumni Cases** Salon ABC  
  
Karl Zimmer, Co-op alum, University of Cincinnati  
Paul Frakes, GEARE alum, Purdue University

Jessica Thompson, GEARE alum, Purdue University  
Tom McLaughlin, IEP alum, University of Rhode Island  
Andrew Marchesseault, IEP alum, University of Rhode Island

*Moderator: John Grandin, University of Rhode Island*

4:00 - 5:30 PM **Grand Information Fair & Poster Sessions** Salon DE  
Salon ABC

6:00 - 7:00 PM **International Wine and Cheese Reception** Bellevue Room

## Saturday, November 3

7:00 - 8:00 AM **Continental Breakfast** Viking Foyer

8:00 - 9:30 AM **Roundtable II: Building Successful Public – Private Partnerships for International Engineering Education: Towards a Multilingual Workforce** Salon ABC  
  
Erin Papa, University of Rhode Island  
Angus Taylor, Hexagon Metrology North America  
Laurie Burger, Strategic Marketing Executive  
Wayne Wenchao He, University of Rhode Island  
Robert Slater, The Language Partnership Group  
Kirsten Brecht, Constellar Group  
  
*Moderator: Michael Byrnes, President, Middle Kingdom Advisors*

9:45 AM - 12:45 PM **Concurrent Working Sessions**

**Workshop II: How to Get Started with International Engineering and Work Abroad Programs** Salon AB  
  
Gayle Elliot, University of Cincinnati  
John Grandin, University of Rhode Island  
Angela Graney, University of Rhode Island  
Ilka Balk, University of Kentucky  
Yating Haller, Purdue University

**Workshop III: How to Assess the Impact of Existing International Engineering Programs** Salon C  
  
Jonathan Gordon, Georgia Institute of Technology  
Amy Henry, Georgia Institute of Technology

12:45 PM **Lunch and End of Colloquium** Colonnade Room