

Dear Colloquium Attendees:

This year's Colloquium topic, "Moving Forward," indicates a shift in leadership. Our pioneer in International Engineering Education, John Grandin, is now retired. He created the Colloquium 13 years ago with the intent to disseminate strategies and best practices for implementing such an entrepreneurial program like the IEP, which integrates engineering education with languages, study and research with work abroad. I would like to thank John for his leadership and spirit, and I am happy to move our common cause forward.

Discussing this year's Colloquium theme, the steering committee felt that we should continue with the important agenda of educating the global engineer, but that it was also time to assess what we are doing.

The *Getting Started* workshop has been a staple for years and continues to be extremely helpful for those who need guidance in establishing a new program at their own institution. At the same time, we built in an assessment component of the programs that have been out there for a while. We are also eager to hear what has become of some of our graduates who have been in the job market for several years, hence the *Alumni Panel*. With respect to strategies for setting up internships, we are moving beyond the basics and featuring *Internship PLUS*, a panel showcasing ways in which programs have come up with academic modules or contexts around an internship. And while it is gratifying to see so many academically rigorous and involved international engineering programs blossom all over the country, we also have to think increasingly beyond educating the few extremely well prepared students. The *Breadth versus Depth* plenary serves the purpose of sharing alternatives for the other 80% who might not want to go the extra mile, but would still benefit from an international experience. On the language side, we are having a deeper look into the level of language proficiency engineering students can reach before and during their stay abroad as well as content based approaches – the *Raising the Language Bar* working session and the *Linking Languages to the STEM Disciplines* workshop examine these topics.

Thanks to all of you who have come this year from 8 different countries and 27 states. I wish you a wonderful conference and look forward to sharing our expertise, hearing and seeing your presentations and posters and engaging in lively discussions with you.

~Sigrid Berka

URI Organizers

Sigrid Berka, IEP Executive Director
John Grandin, IEP Executive Director Emeritus
Angela Graney, IEP Living/Learning Communities Coordinator
Erin Papa, Chinese Language Flagship Partner Prog. Coordinator

Steering Committee Members

Mufit Akinc, Iowa State University
Sigrid Berka, University of Rhode Island
Gayle Elliott, University of Cincinnati
John Grandin, University of Rhode Island
Eckhard Groll, Purdue University
Dan Hirleman, Purdue University
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13th Annual Colloquium on
International Engineering Education

Moving Forward

November 4-7, 2010
Newport, RI



Thursday, November 4

- 1:00 - 6:00 PM **Registration** Viking Foyer
- 1:00 - 5:00 PM **PRE-CONFERENCE WORKSHOPS**
Meeting Challenges of Global Teams Salon A
Are we preparing our students?
Presenter: Sue Bray, New Vistas
- 1:00 - 4:00 PM **Getting Started Workshop** Salon B
How to get started with new international engineering programs and how to assess the impact of existing ones
Moderator: Norbert Hedderich, University of Rhode Island
Richard F. Vaz, Worcester Polytechnic Institute
Yating Chang, Purdue University
Nathan Henceroth, Iowa State University
Erin Schenck, Massachusetts Institute of Technology
Walter von Reinhart & Sigrid Berka, University of Rhode Island
- 6:00 - 7:00 PM **Reception and Conference Opening** Salon DE
Sponsored by the URI College of Engineering
Welcome by Sigrid Berka, University of Rhode Island
Greetings by President David Dooley, University of Rhode Island

Keynote Address: United States Senator Jack Reed
"Why our students need to be prepared globally"

Introduction: John Grandin, Director Emeritus, URI International Engineering Program

- 7:00 - 9:30 PM **Dinner and Keynote Address** Bellevue Room

Friday, November 5

- 7:30 - 8:30 AM **Continental Breakfast** Viking Foyer
- 8:30 - 10:00 AM **Plenary I: Breadth vs. Depth** Salon ABC
Tiered approaches to international engineering education, breadth vs. depth, required language preparation and training
Moderator: Donald DeHayes, Provost, University of Rhode Island
Lester Gerhardt, Rensselaer Polytechnic Institute
Jan Helge Bøhn, Virginia Tech
Chuck Krousgrill, Purdue University
Diana Rover, Iowa State University
Thomas Boving & Sigrid Berka, University of Rhode Island
- 10:30 AM - 12:15 **Plenary II: Internships PLUS** Salon ABC
How can we create educational modules around an internship?
Moderator: Mark Lauer, Mount Holyoke College
David Dolev, MIT-Israel Program
Carolyn Kelly Ottman, Milwaukee School of Engineering
Laura Montgomery, RWTH Aachen

Chris Cooper, Graduate Student, University of Cincinnati
David Prater, Iowa State University, Engineering International Program alum
Alex Reeb, Graduate Student, Virginia Tech, URI IEP alum

- 12:30 - 1:45 PM **Luncheon and Keynote Address** Bellevue Room

Keynote Speaker: David Dooley, President, University of Rhode Island
"Internationalizing URI"

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

- 2:00 - 3:30 PM **Plenary III: Global Teaming** Salon ABC
Strengthening ties between international students and faculty research networks
Moderator: Mufit Akinc, Iowa State University
Alan Parkinson, Brigham Young University
Mohammed Faghri, University of Rhode Island
Jan Helge Bøhn, Virginia Tech
April Julich Perez, MIT International Science & Technology Initiative
Yi Shen, Purdue University

- 3:45 - 5:00 PM **Grand Information Fair & Poster Sessions** Salon DE
Salon ABC

Saturday, November 6

- 7:30 - 8:30 AM **Continental Breakfast** Viking Foyer
- 8:30 - 10:00 AM **Plenary Session I: Engaging China** Salon ABC
Moderator: Michael Byrnes, President, Middle Kingdom Advisors
Laurie Burger, XTech Extrusion Technology, Inc.
David Brown, LSNOW
Sean Gilbert, MIT-China Program
Yating Chang, Purdue University

- 10:30 AM - Noon **Concurrent Working Sessions**
- Working Session A: Internships and Academic Partnerships in Difficult Countries** Salon ABC

Moderator: Dania Brandford-Calvo, University of Rhode Island
Duleep Deosthal, Manipal University
Debbie Pearson, Georgia Institute of Technology
Sabeen Altaf, Institute of International Education
Scott Thiel, Williams Controls, Inc.
Carolyn Kelly Ottman, Milwaukee School of Engineering

- Working Session B: US vs. Europe** Salon DE
Comparing two different higher education approaches, duration, degrees, philosophies
Moderator: Sebastian Fohrbeck, DAAD & Mark Rectanus, Iowa State University
Stephan Scholl & Ute Kopka, Technical University Braunschweig
Eva Maria Krampe & Michael Hefter, University of Applied Sciences-Frankfurt
Otto Iancu, The French-German University
Frank Owen, California Polytechnic State University

- Working Session C: Raising the Language Bar** Colonnade
Standards, methodology and assessment in foreign language and Language Flagship Programs

Moderator: Doris Kirchner, University of Rhode Island
Michael Metcalf, University of Mississippi
Dan Davidson, American Councils for International Education
Wayne He, University of Rhode Island
Ellen Crocker & Kurt Fendt, Massachusetts Institute of Technology

- 12:00 - 1:30 PM **Lunch and Keynote Address** Bellevue Room

Keynote Speaker: Michael K.J. Milligan, Exec. Director, ABET, Inc.
"The future of international engineering education and accreditation's role in improving quality and promoting innovation."

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

- 1:45 - 3:15 PM **Alumni Panel** Salon ABC

Moderator: Gayle Elliot, University of Cincinnati
Eric Sargent, BMW North America, URI IEP alum
Carrie Vidal, General Cable, University of Cincinnati alum
Abhinav Krishna, Graduate Student, Purdue GEARE Alum
Emily Kinser, IBM Microelectronics Division, Iowa State alum
Matthew Zimmerman, Far Sounder Inc, URI IEP alum

- 3:30 - 4:45 PM **Making the Case in 2010** Salon ABC

Moderator: Helene Zimmer Loew, Executive Director, AATG
Graham Harrison, National Science Foundation (NSF)
Max Vögler, German Research Foundation (DFG)
Ed McDermott, The Language Flagship, National Security Education Program (NSEP)
Sebastian Fohrbeck, German Academic Exchange Service (DAAD)

Sunday, November 7

- 8:30 AM - Noon **POST-CONFERENCE WORKSHOP** Touro Room
Linking Languages to the STEM Disciplines
Modules for engineering students
Moderator: Mercedes Rivero Hudec, URI
Megan Echevarría, Director, Spanish IEP, URI
Lars Erickson, Director, French IEP, URI
Wen Xiong, Associate Director, Chinese IEP, URI
Sigrid Berka, Director, German IEP, URI