

Welcome

Welcome to Providence, R.I. The 17th Annual Colloquium is meant to introduce you to New Frontiers in International Engineering Education. Participants will chart new territory in policy making, innovative interdisciplinary content and teaching methodologies, and comprehensive global preparation and assessment tools. Some of the new territories that panels and workshops will focus on include:

- Implementing integrative STEM & dual language immersion programs into the K-16 classrooms
- Infusing the Humanities, Social Sciences, and Global Experiential Learning and Teaching into the engineering curriculum
- Conceptualizing our campuses' internationalization strategies between the poles of a comprehensive linguistic, cultural and technical preparation portfolio on the one hand, and the move toward an all-English environment by our international partners
- Expanding our engagement with academic, non-profit and corporate partners on the African, Asian, Australian, European, and Latin American continents

Our three keynote speakers will take you into the realm of:

- Funding opportunities for international initiatives
- Effective policy making that stems from consensus building amongst stakeholders on the State level
- Global business work force needs and how to manage them

I look forward to learning and sharing strategies and best practices with all of you and wish to thank our 2014 Colloquium sponsors and my fellow Colloquium Steering Committee Members who have made this event possible.

Muffit Akinc, Iowa State University

Ilka Balk, University of Kentucky

Eck Doerry, Northern Arizona University

Gayle Elliott, University of Cincinnati

John Grandin, University of Rhode Island

Eckhard Groll, Purdue University

Stephen McLaughlin, Georgia Institute of Technology

Gregg Warnick, Brigham Young University

I hope you enjoy this year's annual meeting!

Sigrid Berka

Presented By

THE UNIVERSITY OF RHODE ISLAND INTERNATIONAL ENGINEERING PROGRAM

Since 1987, the International Engineering Program has provided an unmatched global engineering experience for students looking to leave their mark on society. Jointly administered by the College of Engineering and the College of Arts & Sciences, the program marries engineering and foreign language during a seamless five-year experience that includes a study and internship year abroad and ends with students earning degrees in both a foreign language and an engineering discipline. The Colloquium has been a staple of the program since its inception in 1998.

The University of Rhode Island
61 Upper College Road
Kingston, RI 02881 USA
+1.401.874.4283 • uri.edu/iep

Sponsors

THE
UNIVERSITY
OF RHODE ISLAND

COLLEGE OF
ARTS AND SCIENCES

THE
UNIVERSITY
OF RHODE ISLAND

COLLEGE OF
ENGINEERING

THE
UNIVERSITY
OF RHODE ISLAND

DIVISION OF
ACADEMIC AFFAIRS

DAAD

HEXAGON
METROLOGY

HOPE[™]
GLOBAL
Engineered Textile Solutions[™]

DB ZF

ASEE

THE UNIVERSITY OF RHODE ISLAND

17TH ANNUAL COLLOQUIUM ON INTERNATIONAL ENGINEERING EDUCATION: NEW FRONTIERS



Daily

7 a.m. Registration & Breakfast
Providence Foyer

Thursday, November 6

8 a.m. Pathways To Language Excellence: Integrating Language and Workforce Needs
Providence Ballroom

Gregg Roberts, Utah State Office of Education
Erin Papa, University of Rhode Island
Osvaldo Cleger, Bettina Cothran, & Jan Uelzmann, Georgia Institute of Technology
Clay Pell, Moderator

10:15 a.m. Engaging Latin America: Educating Global Engineering Leaders
Providence Ballroom

Jim Nelson, Brigham Young University
Jessica Lothman, Marquette University
Joe Tort, Purdue University
Megan Echevarría & Erik Simpanen, University of Rhode Island
Vinka Craver, University of Rhode Island, Moderator

12 p.m. Lunch & Keynote Address by Lee Tablewski, 100,000 Strong in the Americas Innovation Fund
Providence Ballroom

Introduction by Winifred Brownell, University of Rhode Island
Opening Remarks by Sigrid Berka, University of Rhode Island

1:45 p.m. Getting Started with International Engineering Programs
Newport/Washington Room

Gayle Elliott & Chris Cooper, University of Cincinnati
Sigrid Berka & Jason Lavigne, University of Rhode Island
Erin Koontz, Worcester Polytechnic Institute
Gayle Elliot, University of Cincinnati, Moderator

1:45 p.m. Preparing Students To Go Abroad: Cross-Cultural Training for Engineers
Bristol/Kent Room

Amy Henry & Jennifer Baird, Georgia Institute of Technology

4:30 p.m. Coffee Break
Providence Foyer

5 p.m. Round Table with Institutional Leadership on Internationalization Strategies
Providence Ballroom

Nina Lemmens, German Academic Exchange Service
Katja Windt, Jacobs University Bremen
Imre J. Rudas, Óbuda University, Budapest
Harvey Charles, Northern Arizona University
Richard Vaz, Worcester Polytechnic Institute
Donald DeHayes, University of Rhode Island, Moderator

7 p.m. Dinner & Keynote Address by Senator Howard Stephenson, Utah
Waterplace Ballroom

Introduction by David M. Dooley, University of Rhode Island

Friday, November 7

8 a.m. New Frontiers in Global Interdisciplinary Programs: Linking Engineering with the Sciences, Social Sciences, and Beyond
Providence Ballroom

James Oliver, Iowa State University
Thomas Boving, University of Rhode Island
Wayne Jones & Rosemarie T. Morewedge, State University of New York Binghamton
Mandy Bratton, University of California San Diego
Mark Rectanus, Iowa State University, Moderator

9:30 a.m. Coffee Break
Providence Foyer

9:45 a.m. Engaging and Assessing our Students While Abroad and Engaging International Students on our Campuses
Providence Ballroom

Melissa Armstrong, Lane Fujikado, & Bryce Ribucan, Northern Arizona University
Shannon Miner, Iowa State University
Anett Geithner, German Academic Exchange Service & John Neilsen, University of Rhode Island
Eck Doerry, Northern Arizona University, Moderator

10:40 a.m. Retaining Students Through Short-Term Programs Abroad
Providence Ballroom

Ilka Balk, University of Kentucky
Leora Cooper, Massachusetts Institute of Technology
T. Brady Halligan, The GREEN Program
Stephen Mecca, Providence College
Manfred Philipp, City University of New York, Moderator

11:45 a.m. Lunch & Keynote by Cheryl Merchant, Hope Global

Waterplace Ballroom

Introduction by Raymond Wright, University of Rhode Island

1:15 p.m. New Frontiers in the STEM Disciplines
Providence Ballroom

Friederike Vollenberg, DB Netz AG
Mary Besterfield-Sacre, University of Pittsburgh
Daniela Pscheida, Dresden University of Technology
Serenella Sferza, Massachusetts Institute of Technology
Mufit Akinc, Iowa State University, Moderator

3 p.m. Distinguished Scholarship Alumni Panel
Providence Ballroom

Brian Mitchell, German Academic Exchange Service Scholar
Joe Hackman, Gilman, Freeman-ASIA, & Hasbro Scholar
Michelle Sandrian, Whitaker Scholar
Hannah Rolston, Boren Scholar
Sabeen Altaf, Institute of International Education, Moderator

5 p.m. Reception with Concurrent Poster/Info Fair
Narragansett A

Helmut Landes, German Consulate General Boston

Saturday, November 8

8 a.m. Developing Assessment Tools for Global Experiences for Engineers
Providence Ballroom

Cheryl Matherly, University of Tulsa
Brent Jesiek, Purdue University
Gisele Ragusa, University of Southern California
Gregg Warnick, Brigham Young University, Moderator

10:15 a.m. Working Groups

Pick two; each session runs at 10:15 a.m. and 11 a.m.

Asia/Australasia, Bristol

Gerry Johnson, Sigrid Berka, Surabhi Dholakia, Nevan Hanumara, Jenny Turner

Michael Byrnes, Moderator

Europe, Kent

Miguel Ayllon, Joerg Mossbrucker, Nick Dininger, Amanda Daquila

Manfred Hampe, Moderator

Languages for Specific Purposes, Newport

Niko Tracksdorf, Xiaoyan Hu, I-Ling Hsu, Lars Erickson

Norbert Hedderich, Moderator