

Dear Colloquium Attendees,

Welcome to beautiful Newport, Rhode Island and the Ninth Annual Colloquium on International Engineering Education! The program promises stimulating dialogue on the issues of internationalizing engineering education and adapting higher education to the needs of this Era of Globalization. We hope that you will find your time in Newport valuable and productive and that you will return to your home institutions with new ideas and a wider network of collaboration.

The Annual Colloquium on International Engineering Education was launched by the faculty of the University of Rhode Island International Engineering Program in 1998 with the help of a FIPSE grant (U.S. Department of Education) and a small group of approximately 25 committed individuals who had been experimenting with various models for sending engineering students abroad. The initial goals of the meeting are still in place, namely, to bring together engineering faculty, language faculty, and international program administrators with members of the private and public sectors to share experiences and strategies, and to develop and move forward an agenda to prepare engineering students effectively and efficiently for the global workplace.

The Colloquium has grown to an attendance of approximately 150 persons each year, and now includes the regular participation of colleagues from Latin America, Canada, Europe, and Australia. The annual planning is in the hands of a national Steering Committee, and, as of 2005, the Colloquium is held at a campus outside of Rhode Island every other year. The 2005 Colloquium was hosted and co-organized by Georgia Institute of Technology, and the 2007 Tenth Annual Colloquium will be hosted by the Global Engineering Program at Purdue University in West Lafayette, Indiana.

Please enjoy the meeting and feel free to contact us if we can do something to make your stay more enjoyable and productive.

- The URI Conference Organizing Team

#### URI Organizers

John Grandin, IEP Executive Director  
Kathleen Maher, IEP Assistant Director  
Erin Papa, IEP Program Coordinator

#### Steering Committee Members

Gayle Elliott, University of Cincinnati  
John Grandin, University of Rhode Island  
E. Daniel Hirleman, Purdue University  
Rebecca Hovey, School for International Training  
Jack Lohmann, Georgia Institute of Technology  
Phillip McKnight, Georgia Institute of Technology  
Diane Rover, Iowa State University  
Bernd Widdig, Massachusetts Institute of Technology



9th Annual Colloquium on

## International Engineering Education

### Educating Engineers as Global Citizens

### Educating Engineers as Global Citizens

November 2-5, 2006  
The Hotel Viking  
Newport, RI

#### Sponsors



#### Endorsed by:



Organized and Hosted by the  
University of Rhode Island International Engineering Program



## Thursday, November 2

**1:00-5:00 Pre-Conference Workshop** Salon AB

### Getting Started Workshop

Presenters : **Gayle Elliott**, University of Cincinnati; **Natalie Mello**, WPI; **Lars Erickson**, **John Grandin**, **Kathleen Maher & Robert Manteiga**, University of Rhode Island; **Sigrid Berka & Bernd Widdig**, MIT; **Phil McKnight**, Georgia Tech; **Elmar Schreiber**, Hochschule Bremen; **Eckhard Groll**, Purdue University; **Peter Nübold**, Technische Universität Braunschweig; **Jan Helge Böhn**, Virginia Tech.

**5:00-7:00 PM Registration**

**6:30-7:30 PM Reception and Conference Opening** Colonnade Room

**Welcome by Deans Winifred Brownell & Bahram Nassersharif and Conference Chair John M. Grandin**, University of Rhode Island

**Greetings: Dr. Wolfgang Vorwerk**, Federal Republic of Germany

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

**Introduction: John M. Grandin**, University of Rhode Island

**Outward Looking America:  
The Imperative of Foreign Language Study**  
**Charles Kolb**, President, Committee for Economic Development

## Friday, November 3

**6:30-8:30 AM Breakfast** (Courtesy of Pentair) Viking Foyer

**7:00 AM Special Session: Global Teaming Program** Salon ABC

**Pentair Electronic Packaging** will hold a live, international teleconference allowing colloquium participants to interact with engineers at Pentair locations in Mexico, China, Germany and the U.S.

**Chair: Laurie Burger**, Director of Business Development

- **China** - Pentair Technical Products China (via telecon)  
**Eric Chen**, Design Engineer  
**Ying Augenstein**, Director, Sales
- **Germany** - Pentair Technical Products Europe (via telecon)  
**Volker Haag**, Director New Product Development  
**Dietmar Mann**, Senior Design Engineer (worked in Japan for several years)
- **Mexico** - Pentair Electronic Packaging (via telecon)  
**Alberto Ramon**, Plant Manager
- **Rhode Island** - Pentair Electronic Packaging (in person)  
**Neil Petrarca**, Senior Design Engineer (URI IEP grad)

**8:30-10:00 AM Plenary I: Defining the Global Engineer** Salon ABC

**Chair: E. Daniel Hirlman**, Purdue University  
**Mark Kushner**, Dean of Engineering, Iowa State University  
**Jack Lohmann**, Vice Provost, Georgia Institute of Technology  
**Peter Olfs**, Vice President Emeritus, Siemens AG  
**Thomas Tischhauser**, Vice President, Continental Automotive Systems

**10:30AM-12:00 PM Plenary II - Distinguished Panel:  
Working with China** Salon ABC

**Chair: Jennifer Wood**, RI Department of Education  
**Said Abubakr**, Department Chair, Chemical Engineering, Western Michigan University  
**Michael Byrnes**, Senior Advisor, Yuan Associates and Amer-China Partners  
**Larry Shuman**, Associate Dean of Engineering, University of Pittsburgh  
**Alfred J. Verrecchia**, President and Chief Executive Officer, Hasbro, Inc.

**12:15- 1:30 PM Luncheon and Keynote Address** Bellevue Room

**International Education for the 21st Century:  
An All-University Approach**  
**Dr. Nancy Zimpher**, President, University of Cincinnati

**2:00-3:15 PM Plenary III - Distinguished Panel: Engineering  
Partnerships in Global Service Learning** Salon ABC

**Chair: Rebecca Hovey**, School for International Training  
**Zenaida Gephardt**, Assoc. Professor of Chemical Engineering, Rowan University  
**Robert Malkin**, Director, Engineering World Health, Duke University  
**Hannah Stewart-Gambino**, Professor of Political Science, Lehigh University  
**Richard Weisman**, Professor of Civil & Environmental Engineering, Lehigh University

**3:30-5:00 PM Grand Information Fair** Salon DE

- Boston University
- CDS International, Inc.
- DAAD, German Academic Exchange Service
- Engineering World Health
- Franklin Pierce Law Center
- Georgia Institute of Technology
- IAESTE United States
- Institute of International Education
- Iowa State University
- Latin American & Caribbean Consortium of Engineering Institutions (LACCEI)
- Massachusetts Institute of Technology
- NAFSA: Association of International Educators
- North Carolina State University
- Pentair Electronic Packaging
- Purdue University
- RI Economic Development Corporation
- School for International Training
- Siemens Corporation
- The University of Western Australia
- UAS7 (German Universities of Applied Sciences)
- University of Cincinnati
- University of Rhode Island
- URI NSF PIRE Project
- University of Texas at Austin
- Virginia Tech

**6:00-7:30 PM Reception and Cocktail Hour** Bellevue Room

## Saturday, November 4

Eight concurrent working sessions will take place for the entire morning, with participation for each conferee in two topic areas. \*\*Participants must sign-up for topics at the registration table in advance.

**7:30-8:30 AM Breakfast** Viking Foyer

**8:30- 10:00 AM Concurrent Working Sessions I**

**10:30 AM- 12:00 PM Concurrent Working Sessions II**

**The session topics are:**

### 1. Assessment of International Programs

Facilitator: **Jonathan Gordon**, Georgia Tech

### 2. Issues of Health, Safety, Security

Facilitator: **Natalie A. Mello**, WPI

### 3. Joint and Dual Degree Programs

Facilitators: **Peter Nübold**, TU Braunschweig & **Martin Sadd**, URI

### 4. Collaborating with Industry

Facilitators: **Mary Kordys**, Siemens & **Gayle Elliott**, Cincinnati

### 5. Global Design Teams

Facilitator: **Jan Helge Böhn**, Virginia Tech

### 6. Funding Strategies

Facilitators: **Mark Lazar**, Institute for International Education &

**Michael Nugent**, U.S. Department of Education

### 7. Preparing Students for the Work Abroad Experience

Facilitators: **Debbie Gulick & Debbie Pearson**, Georgia Tech

### 8. Forays into China

Facilitator: **Larry Shuman**, University of Pittsburgh

**12:15- 1:30 PM Lunch Program** Bellevue Room

**Screening of a Documentary Film on URI's IEP** (untitled, work in progress)

Produced by **Stephanie Hann & Kendall Moore**, URI

**Introduction: Winifred Brownell**, University of Rhode Island

**1:45- 3:15 PM Plenary IV - New Initiatives** Salon ABC

**Chair: Bahram Nassersharif**, University of Rhode Island

**Lawrie Davidson**, University of Western Australia

OUTWARD, a course information database

**Elmar Schreiber**, Hochschule Bremen

German Study and Internship Program (SIP)

**Mark Rectanus**, Iowa State University

Building Curricular Collaborations in a Global Context; A new course at ISU

**Bernd Widdig**, MIT

"Global Engineering Education Excellence: An international study"

**3:30-4:45 PM Plenary V - Reports from Working Groups  
and Wrap-Up** Salon ABC

## Sunday, November 5

**8:30AM- 12:00 PM Post-Conference Workshop:**

**Teaching Languages to Engineers**

Presenters: **Damon Rarick & Walter von Reinhart**  
University of Rhode Island

Colonnade Room