

*Preparing Students  
for the Global Workplace*


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**The International  
Engineering Program**  
at the University of Rhode Island


**IEP** 1987-2006

*The IEP House*

A Learning  
Community for  
Students & Faculty



Former Fraternity House




*The Kirk Duffy Center*




Heidi Kirk Duffy  
Center  
for  
International  
Engineering  
Education

Planned for Fall  
2006

A Learning Community



*The International  
Engineering Program*



1987-2006

- 5-year Dual Degree
- B.S. in an engineering discipline
- B.A. German, French or Spanish (Chinese is next!)
- Six-month paid internship abroad
- Semester study abroad

*Five Year Dual-Degree Program*

- Bachelor of Science
  - Engineering Field
    - Biomedical
    - Chemical
    - Civil
    - Computer
    - Electrical
    - Industrial
    - Mechanical
    - Ocean
- Bachelor of Arts
  - German, French or Spanish  
(and ...Chinese!)

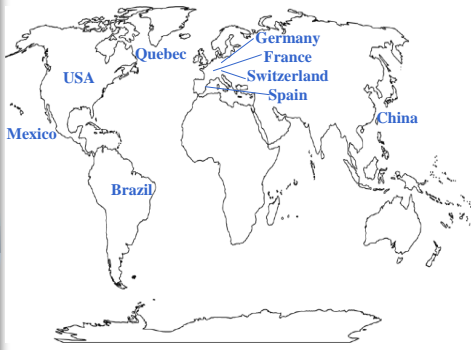
## **IEP** *Our Students*

- **200+ Students** (120 German; 40 Spanish; 35 French; 10 Chinese)
- **20% of all engineering undergrads** at URI are in the IEP. All will study and intern abroad, and earn a second degree in a foreign language.
- **30% are women** (as compared to 17% of all College of Engineering undergrads)
- **53% are Centennial Scholars**
- **240 Graduates**

## *Six-Month Professional Internship Abroad*

- A program requirement – fourth year
- Develop language skills in native situation
- Develop intercultural skills
- Experience engineering in other contexts
- Subsistence wage and housing provided
- Collaboration with over 25 global firms
- Summer pre-intern opportunities in USA

## **Internship Placements**



## *Some of our corporate partners*

- BMW, DaimlerChrysler, Renault
- TRW, ZF, Continental, Emitec
- Siemens, SAP, Pentair, Texas Inst.
- Agfa, Bayer, Beiersdorf, Axiva
- Lufthansa Technik, MTU
- Hilti, St. Gobain, Praxair, Hexagon
- ThyssenKrupp, Züblin, Preusse Bau

## American Car?



## Made in Germany?



## Made in Germany?



## IBM ThinkPad T42 1.5 GHz Pentium M Laptop

### Made in USA?



## IBM (Lenovo) PC

- Intel Processor
  - Crystallized silicon from Japan
  - Equipment from the Netherlands
  - Sliced in New Mexico
  - Prepared and assembled in Malaysia
- Memory Chips from Samsung (Korea)
- Software from Microsoft (Seattle or ???)
- Hard drive
  - Designed in Singapore
  - Built in Thailand
- Assembled by Flextronics in ?
- Flown by FedEx to Memphis
  - Fleet of 170 jumbo jets flying daily
- Coordinated with SAP software

## IBM PC - American Company?

- Sold to Lenovo (Chinese)
- 20% IBM Ownership
- Chinese Chair of Board
- American CEO
- American COO
- Chinese CFO
- Headquarters in NY

## Implications – for You

- Global Skills
  - Competitive in your discipline
    - Global standards
  - Global Teaming
  - Mobility
  - Flexibility
  - Intercultural sensitivity
  - Cross-cultural communication
  - Language skills

## Academic Exchange

- Reciprocal exchange model
  - Technische Universität Braunschweig (Germany)
  - ITESM – Toluca, Monterrey Campuses (Mexico)
  - Universidades de Zaragoza, Navarra, Cantabria & Valladolid (Spain)
  - Université de Technologie de Compiègne (France)
  - Université Laval (Canada)
  - Zhejiang University (Hangzhou, China)
- At Bachelor, Master's, and Ph.D. levels



Student Exchange with Technische Universität Braunschweig

	URI to TU-BS	TU-BS to URI
1995-1996	5	5
1996-1997	9	9
1997-1998	12	12
1998-1999	14	12
1999-2000	15	16
2000-2001	13	13
2001-2002	22	25
2002-2003	16	15
2003-2004	20	16
2004-2005	21	15
2005-2006	10	14
2006-2007	24	14
<b>Total:</b>	<b>181</b>	<b>166</b>

Total # of Students Exchanged: 347

**Attention IEP Students**

**2006 Study Tour to Germany**  
Sponsored by the IEP

**Who?** Up to 25 IEP Students accompanied by URI German Professors Stephanie Haas and Dennis Barwick. Students must be registered for a spring 2006 German course, and committed to registering for a fall 2006 German course.

**When?** Scheduled for May 13-27, 2006.

**Why?** To visit 8-10 IEP partner companies such as Lufthansa, Continental, ZF, Emtec, DaimlerChrysler, Bosch, Zäbris, Hilti, Semmer, and BMW, as well as the Technische Universität Braunschweig.

**\$\$\$?** Thanks to anticipated outside support, the program fee will be not more than \$1000. Lodging, breakfasts and most other meals are provided. Additional on-site expenses will be limited to incidentals and some meals.

**For more information:**  
<http://www.uri.edu/iep/studytours/index.html>

If interested, submit an application and \$100 deposit to the IEP Office (in the IEP House) - First come, first served!

Tel: 874-4283 E-mail: [iep@etel.uri.edu](mailto:iep@etel.uri.edu)

**GERMAN SUMMER SCHOOL OF THE ATLANTIC 2006**  
At the University of Rhode Island  
June 25—August 4, 2006

**Learn German this summer!**

**INTENSIVE GERMAN LANGUAGE & CULTURE IMMERSION PROGRAM**

- Fully accredited
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- Beginning to graduate level
- Enables completion of 8-9 college credits

[www.uri.edu/iep/dssa](http://www.uri.edu/iep/dssa)

In cooperation with the German Embassy and the Federal Republic of Germany  
For more information contact: Professor Robert Nelson, Phone: 863-633-6738, Fax: 863-633-6892, Email: rnelson@uri.edu



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