

Preparing Students for the Global Workplace

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



1987-2008

The International Engineering Program



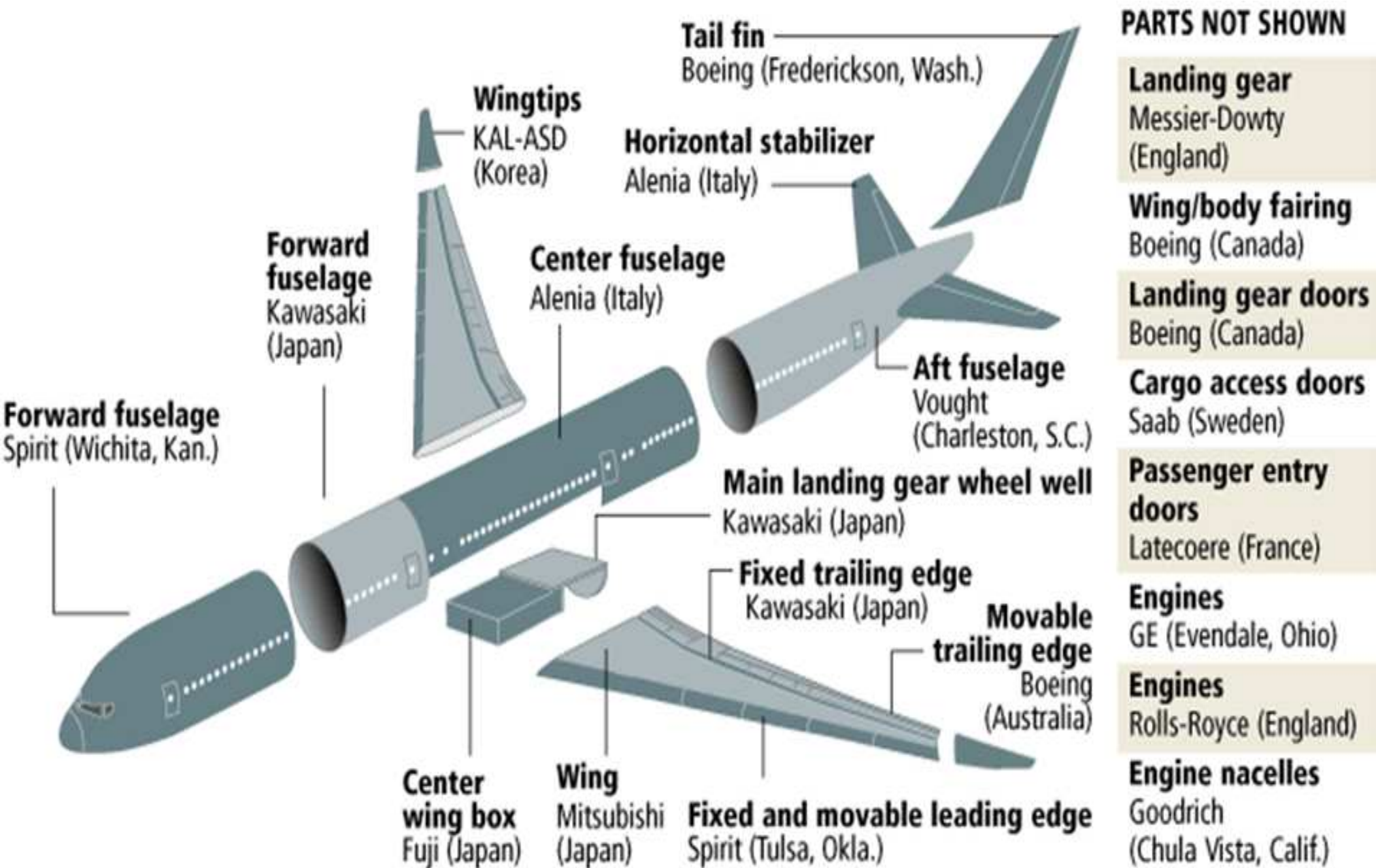
1987-2008

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

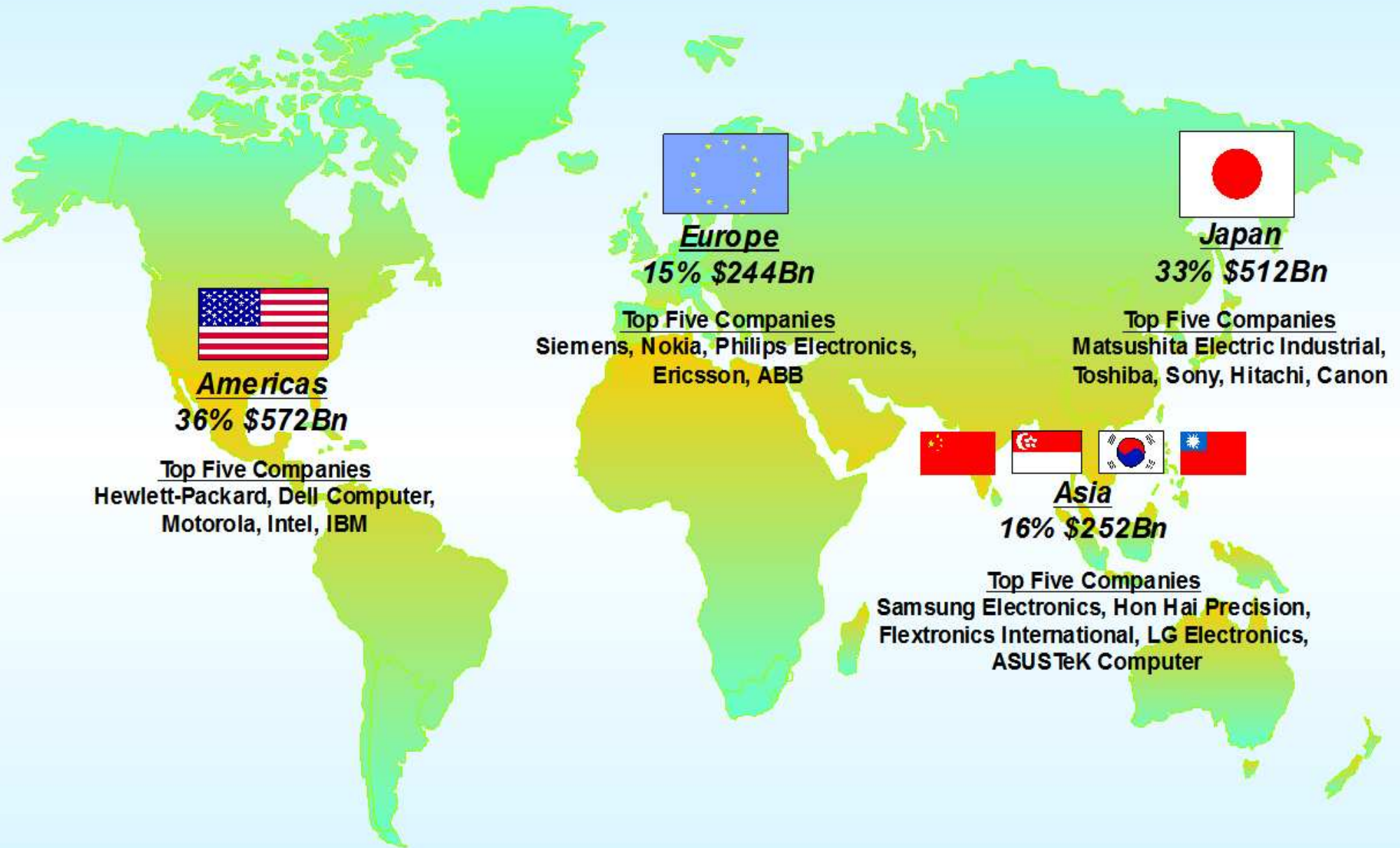
Boeing's Dreamliner



Boeing 787 Dreamliner



GEOGRAPHIC DISTRIBUTION OF THE TOP 100 ELECTRONICS COMPANIES



Note: Based on headquarters location

HP Labs around the world

Beijing

Tokyo

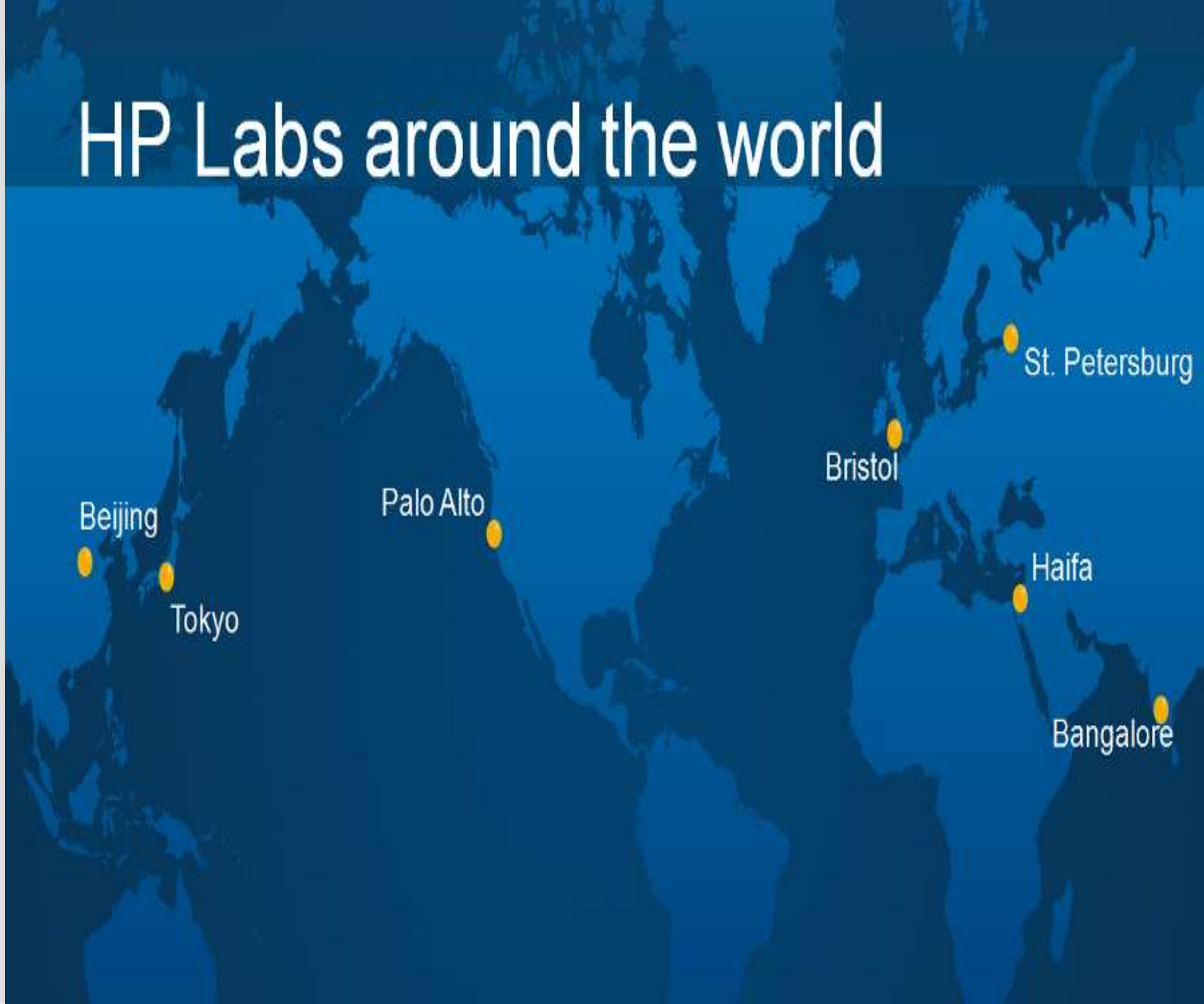
Palo Alto

Bristol

St. Petersburg

Haifa

Bangalore



Made in Germany?



IBM ThinkPad T42 1.5 GHz Pentium M Laptop

Made in USA?





IBM PC - American Company?

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



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





Implications – for students

■ Global Skills

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



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

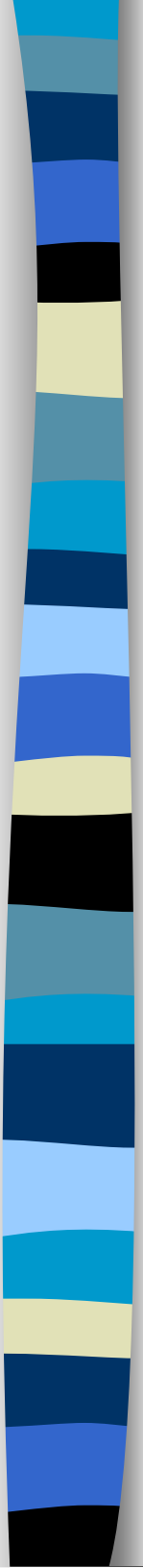
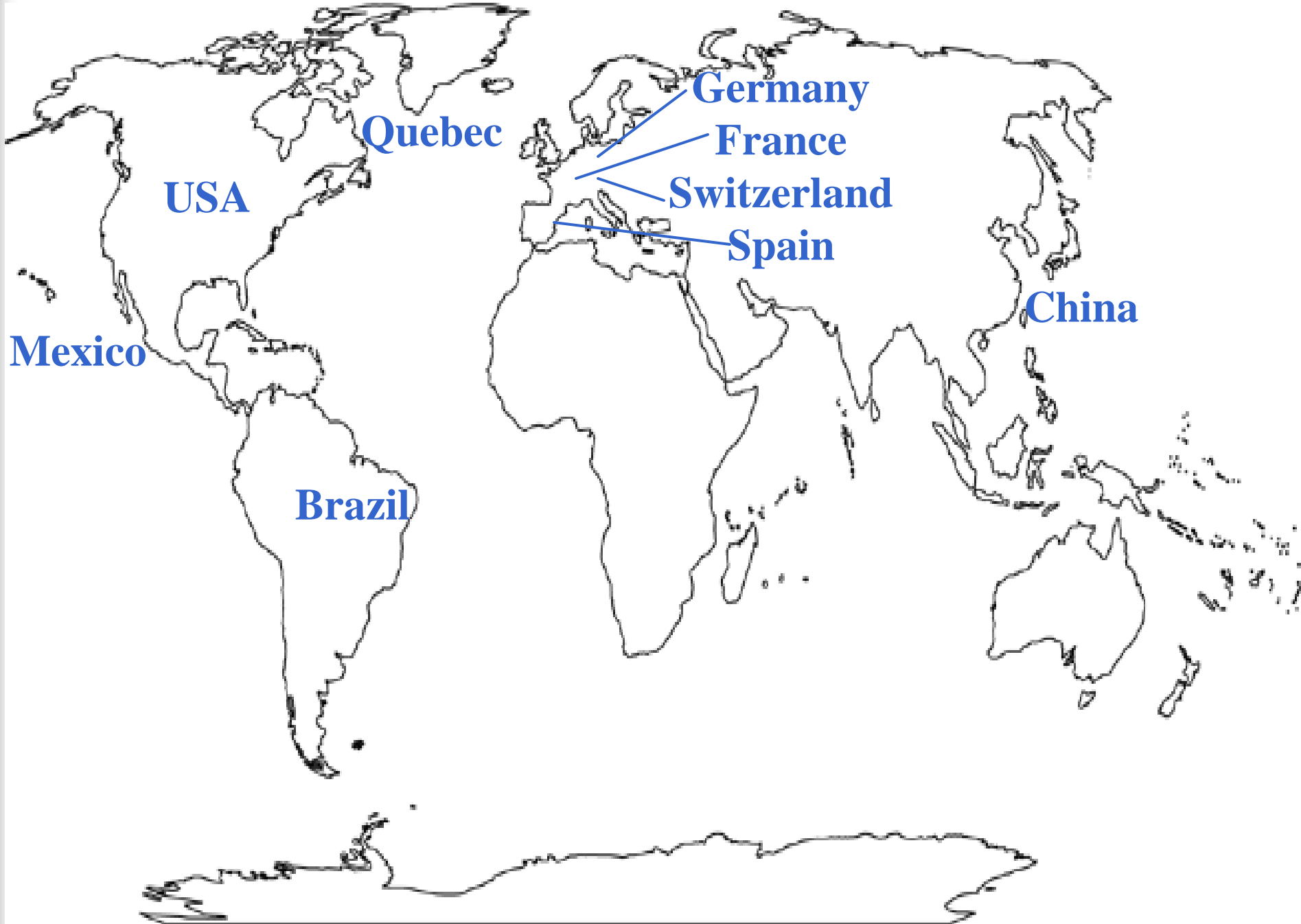
Minor in Chinese and Asian Studies



Our Students

- **230 Students** (120 German; 45 Spanish; 35 French; 30 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)
- **55% are Presidential Scholars**
- **250 Graduates**

Internship Placements

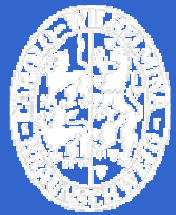




Internships Abroad With:

- BMW, Daimler, Renault, Volkswagen, Porsche
- Bosch, ZF Friedrichshafen, Emitec
- Siemens, SAP, Pentair, Texas Inst.
- Agfa, Bayer, Beiersdorf, Axiva
- Lufthansa Technik, MTU, Deutsche Bahn
- Hilti, St. Gobain, Praxair, Hexagon
- ThyssenKrupp, Züblin, Preusse Bau

Germany and Braunschweig



BRAUNSCHWEIG



Student Exchange with TU Braunschweig

	URI to TU-BS	TU-BS to URI
1995-1996	5	5
1996-1997	9	9
1997-1998	13	12
1998-1999	14	12
1999-2000	15	16
2000-2001	13	13
2001-2002	20	25
2002-2003	15	15
2003-2004	21	16
2004-2005	21	16
2005-2006	12	14
2006-2007	24	14
2007 -2008	22	13
2008-2009	25	25
Total:	229	204

Total # of Students Exchanged: 433



Dual Degree Graduate Programs

- Masters of Science/DiplomIngenieur
- Based upon recognition of equivalency
- Based upon joint acceptance of thesis
- Based upon full year at partner university
- Based upon faculty interaction/collaboration
- Supported by German government
- Supported by industry

- Next step: Dr. –Ing./Ph.D.

Heidi Kirk Duffy Center



IEP House

**Texas
Instruments
House**

**TI House opened
fall 2008**



HEIDI KIRK DUFFY
CENTER

INTERNATIONAL
ENGINEERING EDUCATION

The IEP House



**A Learning
Community for
Students & Faculty**

Former Fraternity House

***IEP* HOUSE**
International
Engineering Program
67 UPPER COLLEGE ROAD





Two young women are in a dorm room. The woman on the left is standing, wearing a blue t-shirt with a white logo and black pants. The woman on the right is sitting in a blue office chair at a wooden desk, wearing a blue t-shirt with white text and glasses. The room features a wooden bunk bed with a light blue blanket, a window with a view of trees, a printer, a desk lamp, and a red and black backpack on the floor. A wooden dresser is visible on the right side of the frame.

Willkommen!

University of...

IEP House

TI House



A learning and living
community



11th Annual Colloquium on International Engineering Education

November 6-9, 2008

Hotel Viking

Newport, Rhode Island

Register online:

<http://www.uri.edu/iep>

Come visit us!

A decorative horizontal bar consisting of a series of vertical rectangular segments in various colors including black, blue, light blue, teal, yellow, and dark blue, arranged in a slightly wavy pattern.

www.uri.edu/iep