

Building international partnerships in engineering

**1997 - 2014 17 years of collaboration
with GE3**



**Over 250 students
Internships, Undergraduates, Graduates, PhDs
Summer programs
Faculty-led programs
IIPRO's**

FAME 2008-2014 40 students



Global E3
ANNUAL MEETING 2014

INSTITUTE OF
INTERNATIONAL
EDUCATION

GBALE³
GLOBAL EDUCATION EXCHANGE

ILLINOIS INSTITUTE
OF TECHNOLOGY

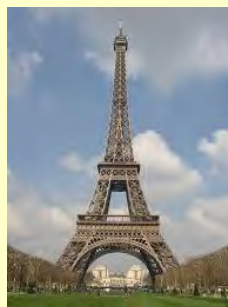
Transforming Lives. Inventing the Future. www.iit.edu



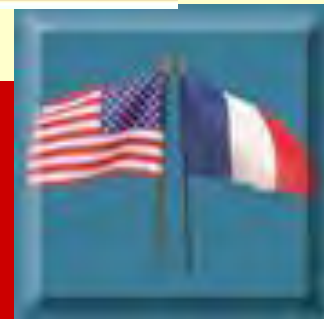
University of Pittsburgh



MISSISSIPPI STATE
UNIVERSITY



FAME French American Exchange Program



Colorado
University of Colorado at Boulder

UNIVERSITY OF MICHIGAN

Georgia
Tech
EUROPE
Lorraine
Georgia Institute of Technology



UB University at Buffalo The State University of New York

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

ILLINOIS



COLORADO SCHOOL OF MINES
EARTH • ENERGY • ENVIRONMENT

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MTU / ENSEA Summer program

- **Orientation will be given on arrival.**
- **Meeting with Ensea students and faculty.**
- **Visits of companies based on a theme (ie quality)**
- **Visits of museums.**
- **Accommodation in Cergy close to the school.**
- **Tailor-made activities**

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Announcing MTU's 3rd Annual Summer in Paris Study Abroad Program

Program of Study for 2004

- IS 3001 in situ French Language & Culture
And one of the following:
- HU 3253 Topics in World Literatures & Cultures: Images of Paris in Literature
- BA 3700 Organizational Behavior

When: May 15 to June 10, 2004 (4 weeks)

Where: ENSEA, Paris, France

Cost: Approx. \$3,282 (includes tuition, fees, room, & field trips)

Contact: Center for International Education, 131 Admin. Building, www.mtu.edu/cie,
phone: 487-2160 or email cie@mtu.edu.



Application Deadline: December 1, 2003

Space is limited so interested students should apply as soon as possible.

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- **Illinois Institute of Technology / Pforzheim University of Applied Sciences**
- **15 IIT students and 10 Pforzheim students working on an IPRO project in their respective countries**
- **Weekly communication via skype, videoconferencing and regular communication via email**
- **Upon implementation, differences in academic calendars were taken into consideration**

Building international partnerships in engineering

FAME

Engineering courses taught in English by professors from ENSEA.

Spring semester

Students in their third year of an undergraduate electrical/computer engineering/CS major.

- **Courses offered**
11 courses – total of 34 credit hours
- **Electronic Circuits & Laboratory (6 c.h.)**
- **Signals and Systems (3 c.h.)**
- **Introduction to Microprocessors and Assembly Language Programming (3 c.h.)**
- **Communications Systems (3c.h.)**
- **Electromagnetism/Electrodynamics (3 c.h.) *French Language and Culture (3 c.h.)****
- **Probability and Statistics (3 c.h.)**
- **Power Engineering (4 c.h.)**
- **Operating Systems (3 c.h.)**
- **Algorithms Design and Analysis (3 c.h.)**

Building international partnerships in engineering

Strategies and Challenges

FAME Program

Same points as for Double Degrees but on a different scale.

- Identification (partner-courses)
- Evaluation (partner-courses)
- Negotiation (with the partner and within the school)
- Implementation (selection- follow-up)
- Recruitment

Diplomacy, perseverance, patience...

Strategies and Challenges

Challenges or “Obstacles”/”Problems”

- **Culture**
- **Cost**
- **Hierarchy**
- **Professors’ egos**
- **“The best” concept**
- **“The perfect match” concept**
- **Sustainability, Reciprocity, Creativity (lack of...)**

Contact and information:

Prof. Philippe Marc marc@ensea.fr

www.ensea.fr/en/page/fame-program

<http://www-fame.ensea.fr/>
www.ensea.fr



Founding members :

- ENSEA
- IIT
- UB

Participants (Spring 08):

- CSM
- IIT
- UB

New partners (Spring 14):

- UIUC (Urbana Champaign)
- Georgia Tech
- MSU (Mississippi)
- University of Michigan (Ann Arbor)
- University of Colorado (Boulder)
- PITT

GLOBAL E3

www.ge3.org

iie.org

Quizz R/W

- Study Abroad :
 - is not for engineers
 - will delay my graduation
 - will affect my GPA
 - is costly (Financial aid **doesn't** apply)
- -I **can't** transfer my credits
- -I need to learn another language

Quizz R/W

- I will need a passport
- It is a long and difficult procedure
- I will miss my hamburgers and fries
- I will not understand the classes
- ...

■ What is FAME?

Engineering courses taught in English by professors from ENSEA.

■ Where ?

Cergy, France, 35 minutes from the center of Paris.
Students will take courses at ENSEA

■ When ?

Spring semester

■ Who is eligible ?

Students who will be in their third year of an undergraduate ABET-accredited electrical/computer engineering/CS major.

■ **How many courses are offered ?**

10 courses – total of 31 credit hours

- Electronic Circuits & Laboratory (6 c.h.)
- Signals and Systems (3 c.h.)
- Introduction to Microprocessors and Assembly Language Programming (3 c.h.)
- Electromagnetism/Electrodynamics (3 c.h.)
- *French Language and Culture (3 c.h.)**
- Probability and Statistics (3 c.h.)
- Power Engineering (4 c.h.)
- Operating Systems (3 c.h.)
- Algorithms Design and Analysis (3 c.h.)



FAME 08



FAME 10



French Consulate, Chicago, ENSEA-IIT Double Degree Program Class 2007