



INSTITUTE OF TECHNOLOGY - « Technology serving industry »

Key figures

- 14 locations around France
 - 8 campuses + 4 research Institutes
- 15 research teams
- 6 CNRS laboratories
- Carnot Institute
- 15 Millior € industry contracts
- 5800 students
 - 800 foreign students
- < 100 Undergraduate « Bachelor of Technology »
- > 5000 Graduate
 - 4500 Engineering students
 - >1000 apprentice engineers
 - 200 MSc
 - 220 PhD students
- 85000 alumni



100% Outgoing International mobility (Engineers)

- > 450 academic
- > 700 internships/ research projects

March 7-8, 2016 - Paris



TRANSATLANTIC FRIENDSHIP



and MOBILITY INITIATIVE



Collaboration with the US



- > 45 Students in MSc/PhD –
 - 30 DD GTL/A
 - 20 Berkeley MIT, TAMU, Columbia, Michigan, UCLA, NYU, Florida Gainsville, Rice,



- 2 US students in English MSc programs
- 1 – 2 US students in double degree program (AM/GT)

5 Cooperation Agreements (TAMU/GT/Berkeley/Texas Tech/Akron..)

- 2 Professor sabbaticals/year (Fulbright....)
- 5 internships in research laboratories (GT, MIT, John Hopkins, Akron.....)
 - MIT France (fees waiver)
- Co-supervision PhD (AM/TAMU/SATECO)



- 1 Prof Virginia Tech (Marie Curie)
- 1/2 Guest researchers
- Dual PhD – (AM/Texas Tech)
 - Chateaubriand scholarship
- Safran/Caltech PhD scholarship
 - PhD co supervision
- MIT France (research internship)

Joint International Research Laboratory « UMI » GT/CNRS in telecommunications and innovative materials

Multiple research collaborations

TAMU, GT, MIT, Texas Tech, NYU, Caltech, Stanford, Akron, Dayton, John Hopkins.....

- > 20 internships per year
 - Dassault, Schlumberger, Technip, Safran, Tesla, Airbus....)



MSc internships – academic semestre + research internship (Schlumberger....)

PSA, Safran, Snecma, Sateco, Kuka.....

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US development



Mission : Grow the brand image of Arts et Metiers ParisTech in the United States and to strengthen the community of its students and alumni residing in the USA

- **1 permanent representative AM/AFAM**
- 600 alumni - Schlumberger, Dassault, Technip, Alstom, Apple, Snecma
- Regional Groups (social, professional, networking events) – welcoming and integrating the AM students on mobility
- Collaboration with French associations in the US
 - AAGEF 'French Grandes Écoles Alumni Association'
 - FAA 'French alumni Association in the Bay area'
- Promotional activities
- Fundraising (Shasta grants & loans)

SHASTA Internship program

- Created 2010 , > 100 internships
- Company network
- Facilitate the link between industry & AM students
- Internship Offers
- Guide to internships in the US – CVs, personal statements,
- Personal tutoring for internship/employment
- Follow up during internship

Grants

- Shasta internship grants
- Interest free loans



AM foundation financial aid

- ✓ « Louis Magne » scholarships
- ✓ Interest free loans



Professionalizing Study Abroad Experiences: Developing Research and Professional Internships in the US and France



Developing new models for exchange : Strategic partnerships



Synergies between education & research

- Research projects (researchers/ students)
- Co-organised summer schools
- Academic exchange
- Joint programs (MSc)
- Co- supervision or Joint PhD
- LIA « International Associated laboratory »

Strategic Industry Partnerships

- Accompanying industry in international development
- Package « Academic programmes + internship (+ employment) »
- Joint programs (Bachelor + Master)
- Co- supervision or Joint PhD
- Research collaboration
- Specific tailored made programs

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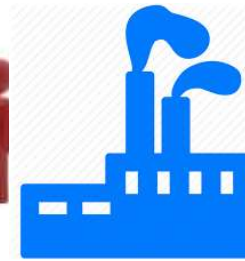


Professionalizing Study Abroad Experiences: Developing Research and Professional Internships in the US and France



Promoting & Facilitating Mobility

Synergies education/ research



Accompanying companies in their development

Academic Exchange

- USA - encourage mobility abroad
- Propose courses in English at undergraduate level
- More flexibility in recognition of courses abroad (in Joint/Dual degrees- N° credits abroad)
- Recognition of French Engineering Degree to facilitate admission to MSc in the US(no undergraduate degree)
- Administrative bureaucracy for Joint PhD
 - French Doctoral schools –3 years
 - US – 4 to 5 years (including Master)

Research projects/Internships

- Improve communication of French scientific excellence
 - Attract more American students
 - laboratory websites/professor bibliography
- Fulbright/Chateaubriand/H2020-NSF
- Visa issues – recruitment following internship
 - difficulty to obtain work visa after JI,
 - no guarantee for company to recruit intern



Gadzart welcome at Berkeley



US Alumni in Paris for Innovation and Entrepreneurship



Alumni dinner in Houston



Kart racing in SF



Visit to Baker Hughes, Texas



Arts et Métiers alumni at Residence of the Consul Houston



Fulbright delegation at Arts et Métiers 2015

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