



# Science & Engineering in Paris, France

*June 2017*

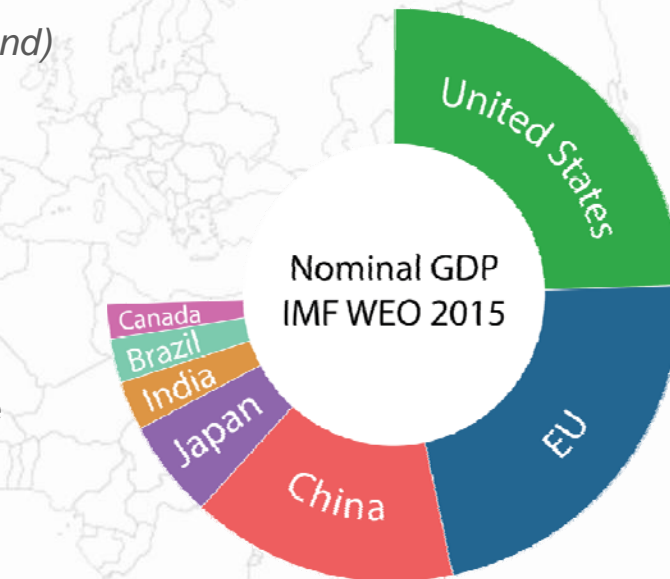
## WHY STUDYING ABROAD?

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- To be able to work in an International environment
  - ❖ Development of various communication skills exchange, negotiation, work and making business in an international environment, in a multicultural context
- Through an international academic experience and/or internship in a new cultural context
  - ❖ This experience will change your point of view over the cultures and behaviours of people from other countries. This experience will also change your point of view over your own culture.
  - ❖ This experience will help you develop your ability to take initiatives and to be more creative, innovative and autonomous in your work.

## WHY CHOOSING FRANCE ?

- Economic power (*Source: International Monetary Fund*)
  - ❖ Europe = 2<sup>nd</sup> GDP in the World
  - ❖ France = 6<sup>th</sup> GDP in the World
- Situated in the heart of Europe
- Alliance between High-Tech / Innovation and Tradition / Art & History / Quality of Life
- Excellence of the high education system
  - ❖ Long tradition of international mobility
  - ❖ 3<sup>rd</sup> destination for international students
  - ❖ Financial support and scholarship programs
- French language
  - ❖ 5<sup>th</sup> in the world (275 million users worldwide)
  - ❖ 3<sup>rd</sup> most important business language in the world after English (*Source: Bloomberg*)



## PARISTECH: THE OPEN GATE TO ONE OF THE MOST IMPORTANT ECONOMIC CENTER

### ■ Paris Area

- ❖ **> 816 000 companies**
- ❖ 1/3 of the foreign companies in France
- ❖ 1<sup>st</sup> European center for the 500 biggest multinational companies
- ❖ 1<sup>st</sup> European center for professional meetings
- ❖ 30% of French GDP
  
- ❖ **Ranked 1<sup>st</sup> student city in the World**
- ❖ 17 Universities, 40 Engineering schools
- ❖ > 70 000 foreign students (20% of the students of the area)
  
- ❖ **40% of national investment in research and development (1<sup>st</sup> European region)**
- ❖ 95 500 researchers (1<sup>st</sup> European region)



Source: PREDA

## COMPANIES - CHINA-FRANCE

- Most of the French multinational companies are operating in China
- Multinationals, SMEs, start-ups
- More than 1,500 companies in the Sino-French Chamber of Commerce
- More than 50 companies have a R&D center in China
- Several Chinese companies have chosen France to establish their headquarters in Europe
- One Belt One Road: many Chinese companies have invested in companies located in France or partnered with French companies to develop joint projects in French speaking countries



## A CONSORTIUM OF GRADUATE SCHOOLS IN ENGINEERING & SCIENCE

- ParisTech is a consortium of 10 Graduate Schools of Engineering & Science, which are among the most prestigious "Grandes Ecoles"
  - ❖ 6 ParisTech Schools are in the top 10 out of 250 Engineering Schools in France
  - ❖ Each School is ranked #1 at the national level in its specific domain
  
- Shared-values
  - ❖ High level education based on a highly selective system
  - ❖ Scientific Excellence
  - ❖ Strong interaction with companies, at international scale, in a multidisciplinary context



- 1741 – ENSTA ParisTech
- 1747 – Ecole des Ponts ParisTech
- 1780 – Arts et Métiers ParisTech
- 1783 – MINES ParisTech
- 1824 – AgroParisTech
- 1882 – ESPCI Paris
- 1878 – Télécom ParisTech
- 1896 – Chimie ParisTech
- 1920 – Institut Optique Graduate School
- 1942 – ENSAE ParisTech

## FRENCH “GRANDES ÉCOLES”

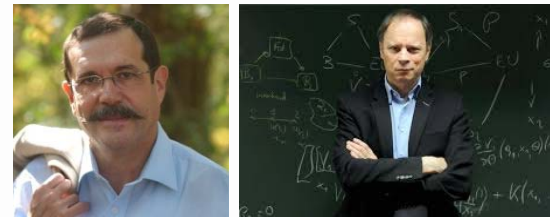
- “Grandes Écoles”: Graduate Schools of Engineering, of Business ...
  - ❖ ≠ Universities
- Created in the 18<sup>th</sup> century, as a response to the needs of the industrial world
- Strengths of French Graduate Schools of Engineering & Science
  - ❖ Highly selective system
  - ❖ Degrees based on scientific and engineering courses as well as humanities, social, economic and business courses
  - ❖ Individually tutored students (small groups, 1:5 professor/student ratio)
  - ❖ Many group projects and several industrial and research internships in the curricula
  - ❖ Strong links with companies in research labs and teaching
- Very high employment opportunities: **top managerial positions** in all economic sectors, **high-level academic** positions, **leaders in the Public Sector**, entrepreneurs creating their own **start-ups**



## A LONG TRADITION OF SCIENTIFIC EXCELLENCE

*Cauchy, Coriolis, Fresnel,  
Navier, Gay-Lussac, Poincaré, ...*

- Pierre & Marie Curie, *Physics (Nobel)* - 1903
- Henri Becquerel, *Physics (Nobel)* - 1903
- Henri Moissan, *Chemistry (Nobel)* - 1906
- Marie Curie, *Chemistry (Nobel)* - 1911
- Frédéric & Irène Joliot-Curie, *Physics (Nobel)* - 1935
- Maurice Allais, *Economics (Nobel)* - 1988
- Pierre-Gilles de Gennes, *Physics (Nobel)* - 1991
- Georges Charpak, *Physics (Nobel)* - 1992
- Alain Aspect, *Physics (Wolf Prize)* - 2010
- Jean Tirole, *Economics (Nobel)* - 2014



**PARISTECH ALUMNI  
 CORPORATE EXECUTIVES**

- Philippe Varin, CEO, Areva
- Jean-Bernard Levy, CEO, EDF
- Isabelle Kocher, CEO, ENGIE
- Carlos Ghosn, CEO, Renault-Nissan
- Patrice Caine, CEO, Thales
- Patrick Pouyanné, CEO, TOTAL
- Jacques Aschenbroich, CEO, Valeo
- Xavier Huillard, CEO, Vinci
- Patrick Drahi, CEO, Altice (Virgin Mobile, SFR...)
- Tidjane Thiam, CEO, Crédit Suisse
- Eric Labaye, CEO, McKinsey Europe
- Jean Beunardeau, Director, HSBC Europe
- Patrick Pelata, Vice-President, Salesforce
- Jean-Luc Vaillant, Co-founder and CTO, LinkedIn
- Vincent Dureau, Co-founder, Google TV
- Henri Moissinac, former Director, Facebook Mobile, now at UBER
- Luc Julia, former Director, Apple – Siri, now Vice-President, Samsung
- Paul Andreu, Architect
- Jean-Marie Duthilleul, Architect
- Michel Virlogeux, Bridge specialist



## PARISTECH ALUMNI LEADERS IN THE PUBLIC SECTOR

As Presidents, Ministers, Chiefs of Staff to Ministers, Scientific and Technical Advisers, ParisTech Alumni have planned, designed and implemented the large-scale technological programs in France and in their home country



## PARISTECH ALUMNI SUCCESSFUL START-UPS



400 million+ members – Acquired USD\$26.2 billion by Microsoft



NASDAQ Market Capitalization USD\$2.8 billion



Valued at USD\$1.6 billion



100 million Euros raised



Acquired 50 million Euros by Dassault Systems



Acquired 50 million Euros by Crédit Mutuel



Inventor of the Nao Robot – Acquired by SoftBank



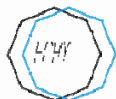
Acquired by Aldebaran Robotics



Ultra-light (4kg) Titanium Seats for Aircrafts



Acquired by Bentley Technologies



Daylighting System with Fiber Optic



## PARISTECH SCHOOLS

- **10** « Grandes Ecoles » in Engineering & Science
- **3** campuses: Paris, Saclay, Marne-la-Vallée
- **14 000** students / **2 500** professors / **110** Research labs
- **200 000** alumni



ParisTech



École des Ponts

ParisTech



ENSAE  
ParisTech



MINES  
ParisTech



TELECOM  
ParisTech

## 3 CAMPUSES IN PARIS AREA



Paris-Saclay Campus



Paris City Center



Marne-la-Vallée Campus

										
<b>Mathematics &amp; applications</b>				●	●	●			●	●
<b>Information and communication sciences and technologies</b>						●		●	●	●
<b>Life sciences and engineering</b>	●									
<b>Earth sciences and environmental engineering</b>	●			●					●	
<b>Physics, optics</b>						●	●	●	●	●
<b>Chemistry</b>			●				●			
<b>Energy</b>		●				●			●	
<b>Material science, mechanics and mechanical engineering</b>		●	●	●		●	●		●	
<b>Economics and social sciences, management, statistics</b>	●				●				●	●
<b>Industrial engineering</b>		●		●		●			●	

# AGROPARISTECH

- Life Science, Biology, Animal Science, Food Science & Technology, Agronomy, Crop Science, Plant Protection, Forestry, Environmental Science & Engineering, Management of Environment, Mathematics & Modelling for Life Sciences





## ARTS ET MÉTIERS PARISTECH

- Mechanics, Materials, Manufacturing Processes, Fluids and Energy Systems, Design Industrialization, Decision Making, Risk



## CHIMIE PARISTECH

- Organic and Bioorganic Chemistry, Solid State Chemistry and Materials Science, Theoretical Chemistry, Nuclear Chemistry, Chemical and Process Engineering, Risk Management



ParisTech



École des Ponts  
ParisTech



## ÉCOLE DES PONTS PARISTECH

- Transportation, Civil & Environmental Engineering, Mathematics & Finance, Engineering mechanics & Materials Science, Industrial Engineering & Logistics, Town & country planning



## ENSAE PARISTECH

- Economics & Econometrics, Quantitative Economics & Finance, Statistics, Actuarial Science



## ENSTA PARISTECH

- Automotive and Railway Transport, Maritime Engineering, Electronuclear Energy, Energetic Systems, Offshore Energies Engineering, Optimization, Operational Research and Command, Quantitative Finance, Modelling and Simulation, Robotics and Embedded Systems, Information Systems, Systems Engineering



## ESPCI PARIS

- Environmental chemistry, Organic synthesis Bioengineering and Biophysics, Optics, Acoustics and Imaging, Microfluidics and Soft Nanotechnology, Soft Matter and Complex Materials Engineering, Chemical Engineering, Fluid Mechanics



## INSTITUT D'OPTIQUE GRADUATE SCHOOL

- Physics of light and its interaction with matter, Mathematics, Electronics and computer science for signal and image processing, Ray optics and aberrations, Advanced wave optics, Instrumentation Optical system design, Imaging, Photometry, Detection, Lasers and electro-optics, non-linear optics, optical fibres, Detectors, Biophotonics, Nanophotonics, Space optics, Energy, Telecommunications with minors in technology and management of innovation



## MINES PARISTECH

- Major: Science and executive engineering, Minors: Applied mathematics, information technology, Control engineering and computer science, Computational Biology, Earth and environmental sciences, Materials sciences and engineering, Energy and chemical engineering, Economics and social sciences



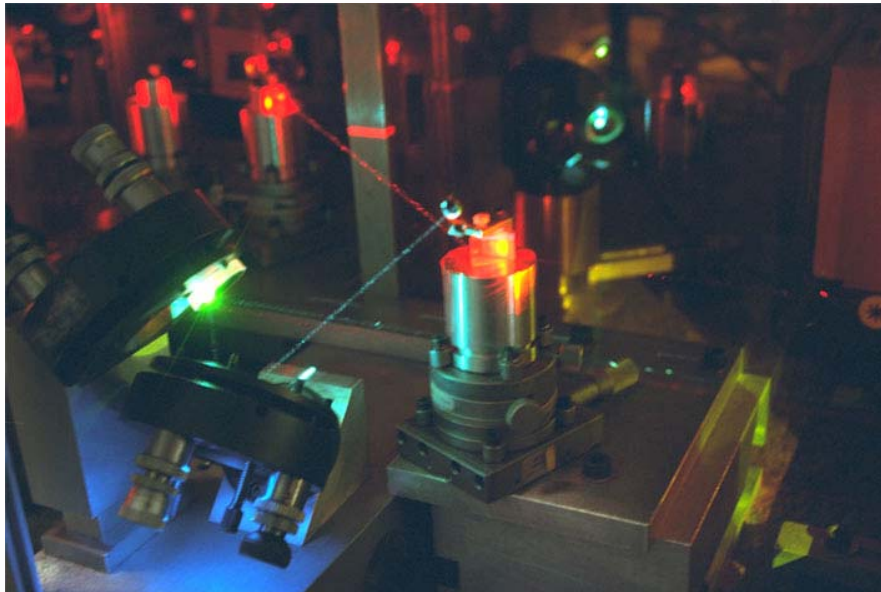


# TELECOM PARISTECH

- Information Technology, Telecommunications, Digital & Mobile Communications, Optical Communications, Electronics Computer Science, Networks, Signal & Image Processing, Security, Economics, Digital Society



## SCIENTIFIC EXCELLENCE



- 110 laboratories
  - 5,000 researchers
  - More than 500 PhD theses defended every year
  - 18,000 publications along the last 5 years
  - 350 M€ budget for Research
    - ❖ More than 100 M€ in research contracts with industry
- 
- Research is the cornerstone of ParisTech Schools and occupies a prominent place. It is characterized by a wide multi-disciplinary approach in Science and Technology, international quality and close relationships with industry, services and the socio-economic world.

# STRONG INTERACTION OF PARISTECH WITH COMPANIES



## STRONG INTERACTION OF PARISTECH WITH COMPANIES

- Education

- ❖ Lectures given by 2 900 engineers, researchers and managers

- Research

- ❖ 60 chairs of teaching and research
- ❖ 100 partner businesses
- ❖ 1/3 of doctoral projects financed by companies
- ❖ 2900 contracts with companies

- Entrepreneurship

- Executive Education

- ❖ Nearly 25,000 participants of more than 80 nationalities per year

- Governance

- ❖ Representatives of companies in the executive boards

- Examples of partnerships

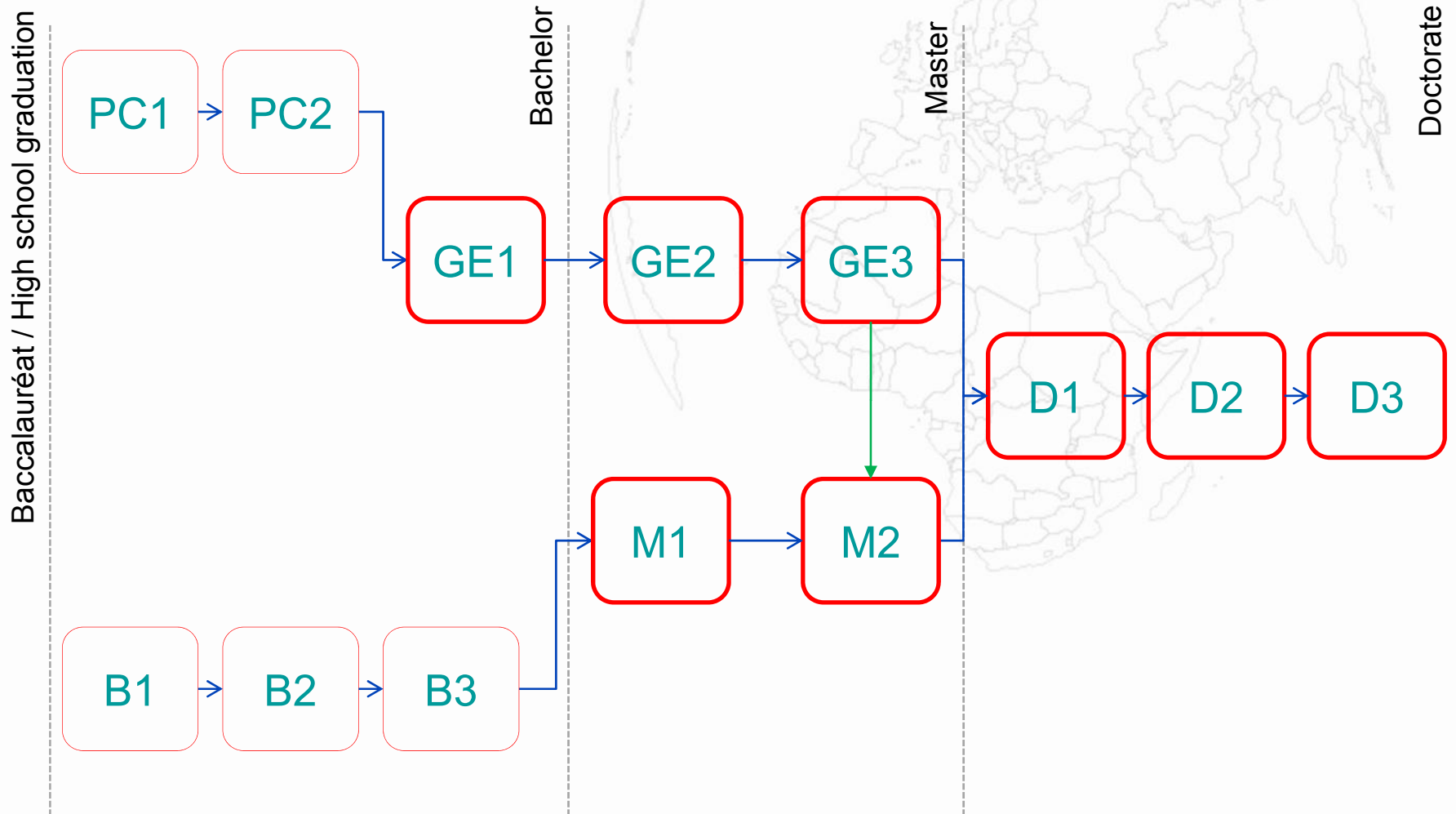
- ❖ VeDeCom – Institute of Excellence in Zero Carbon Energy
- ❖ IMD – Sustainable Mobility Institute
- ❖ Program in Nuclear Energy
- ❖ Program in Bioengineering

## PARISTECH DEGREES

- *Diplôme d'Ingénieur* (MSc in Engineering)
- Master of Science
- Doctoral programs (PhD)
- MBA
- Executive Education



# ORGANISATION OF STUDIES AT PARISTECH IN FRANCE



## MOBILITIES TO PARISTECH FOR INTERNATIONAL STUDENTS

Baccalauréat / High school graduation

Bachelor

Bachelor

GE2

GE3

Diplôme  
Ingénieur

D1

D2

D3

Doctorate

Master

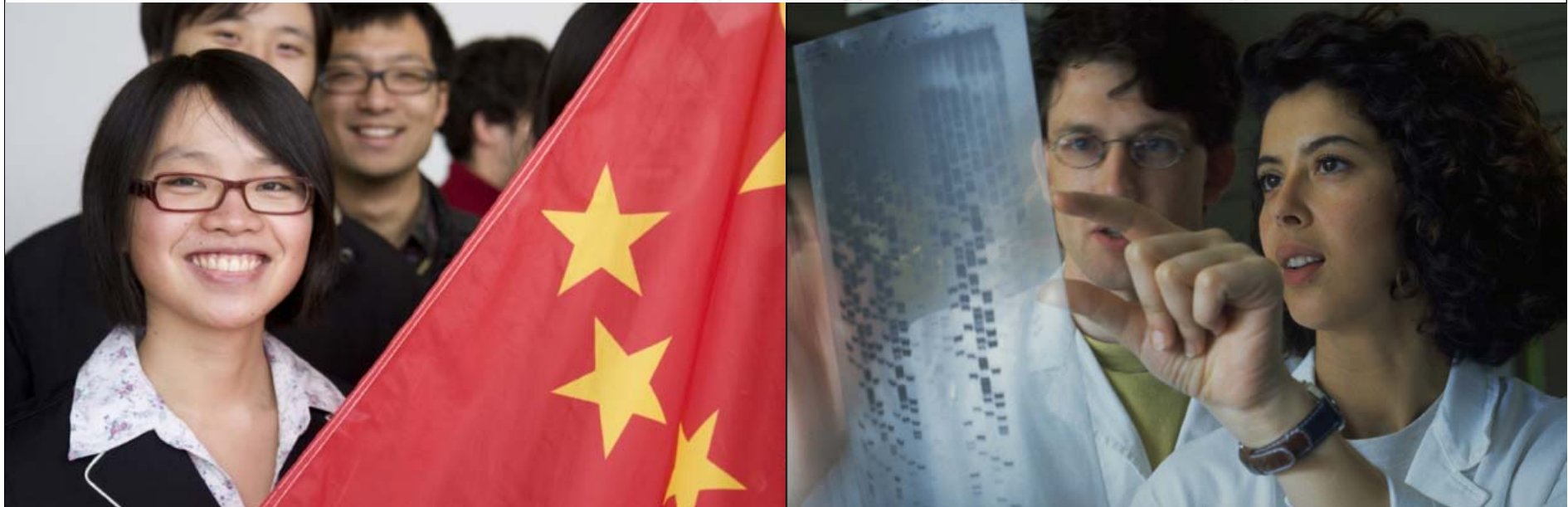
- More than 30% of international students, from more than 100 countries
- Foreign language courses (French, English, Arabic, Chinese, German, Hebrew, Italian, Japanese, Portuguese, Russian, Spanish, etc...)
- International exposure: internships, projects, exchanges & double degrees
- More than 85 agreements with international universities and institutes
- International and European exchange programs (ATHENS)
- Major involvement in European and international research projects
- Permanent offices in China and Brazil
- Sino-French Institutes in China
  - ❖ Sino-French Institute of Engineering and Management (IFCIM)
  - ❖ China-EU Institute for Clean and Renewable Energy (ICARE)
  - ❖ SJTU-ParisTech Elite Institute of Technology (SPEIT)
  - ❖ « Chimie Pékin » / Paris Curie Engineering School – Beijing University of Chemical Technology





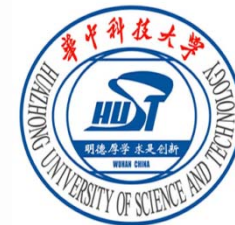
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# « 9 + 9 » Program



« 9 + 9 » PROGRAM  
 CHINESE STUDENTS AT PARISTECH SINCE 2000: **1271**

北京大学	<b>117</b>	南京大学	<b>183</b>	复旦大学	<b>210</b>	浙江大学	<b>45</b>
清华大学	<b>94</b>	东南大学	<b>82</b>	上海交通大学	<b>266</b>	武汉大学	<b>32</b>
中国农业大学	<b>24</b>	南京农业大学	<b>36</b>	同济大学	<b>167</b>	华中科技大学	<b>15</b>



## ACADEMIC PARTNERSHIPS 23 DOUBLE DEGREES – « INGÉNIEUR » (1/2)

### Arts et Métiers ParisTech

▪ Shanghai Jiao Tong University	2008	Mechanical, Industrial Eng. & Materials Science
▪ Tongji University	2009	Mechanical, Industrial, Aerospace, Automotive Eng. & Materials Science
▪ Beihang University	2010	Mechanical, Industrial Eng. & Materials Science
▪ Harbin Institute of Technology	2010	Mechanical, Industrial, Aerospace, Automotive Eng. & Materials Science
▪ Xi'an Jiao Tong University	2010	Mechanical, Industrial, Electrical Eng., Energy & Materials Science
▪ Southeast University	2011	Mechanical Eng., Materials Science & Eng.

### Telecom ParisTech

▪ Shanghai Jiao Tong University	2010	School of Electronic, Information and Electrical Eng.
▪ Southeast University	2011	School of Information Science and Engineering
▪ Wuhan University	2011	Information and Communication Technology
▪ SJTU-ParisTech	2015	Information and Communication Technology (ICT)
▪ Zhejiang University	2017	Computer Sci & Tech, Electrical Eng., Information Sci. & Electronic Eng.

### Ecole des Ponts ParisTech

▪ Tongji University	2008	Civil Engineering, Environmental Engineering
▪ Tsinghua University	2016	School of Environment
▪ Southeast University	2016	School of Transportation

## ACADEMIC PARTNERSHIPS 23 DOUBLE DEGREES – « INGÉNIEUR » (2/2)

### ENSTA ParisTech

- Tsinghua University 2015 Department of Automotive Engineering
- SJTU-ParisTech 2015 Mechanical Eng., Energy & Power Eng., ICT
- Zhejiang University 2017 Mechanical Engineering, Aeronautics and Astronautics

### Chimie ParisTech

- Beijing University of Chemical Technology 2013
- Shanghai Jiao Tong University 2016 School of Chemistry and Chemical Engineering

### MINES ParisTech

- SJTU-ParisTech 2015 Mechanical Eng., Energy & Power Eng., ICT

### ESPCI Paris

- Tongji University 2011 Physics

### ENSAE ParisTech

- Tongji University 2013 Mathematics

### Institut d'Optique Graduate School

- Huazhong University of Science & Technology 2017 Optical and Electronic Information

« 9 + 9 » PROGRAM  
 BEIDA STUDENTS AT PARISTECH: 117

**School of Mathematical Science**

2016	Fang Yuxin	ENSAE ParisTech
2016	Li Xinrui	ENSTA ParisTech
2014	Liu Jiaxu	MINES ParisTech

**School of Physics**

2015	Chen Chaoqun	MINES ParisTech
2014	Li Chao	MINES ParisTech

**School of Earth and Space Sciences**

2016	Xu Runzhou	ENSTA ParisTech
2015	Qiu Ximeng	MINES ParisTech

**College of Engineering (Mechanics)**

2014	Zhai Weijun	MINES ParisTech
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**College of Engineering (Materials)**

2014	Gao Yuntian	MINES ParisTech
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**College of Chemistry**

2017	Ge Hongxin	ESPCI Paris
2016	Zhang Meiyi	ESPCI Paris
2014	Duan Wenjie	Chimie ParisTech
2014	Zhang Dongyu	ESPCI Paris



« 9 + 9 » PROGRAM  
TSINGHUA STUDENTS AT PARISTECH (1/2): 94

**School of Aerospace Engineering**

2017	Feng Xuan	MINES ParisTech
2016	Chen Junfeng	MINES ParisTech

**Department of Automotive Engineering**

2017	Si Xiangsheng	ENSTA ParisTech (Double Degree)
2016	Kong Yiting	ENSTA ParisTech (Double Degree)
2016	Kou Shengjie	ENSTA ParisTech (Double Degree)
2016	Ru Ze	ENSTA ParisTech (Double Degree)

**Department of Industrial Engineering**

2014	Zhu Junlin	ENSTA ParisTech
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**Department of Electrical Engineering**

2014	Guo Qiang	Télécom ParisTech
2014	Li Qian	Télécom ParisTech



« 9 + 9 » PROGRAM  
TSINGHUA STUDENTS AT PARISTECH (2/2): 94

**Department of Mathematical Science**

2015	Liu Xi	ESPCI Paris
2015	Xiong Wei	MINES ParisTech
2014	Li Ang	ENSAE ParisTech

**Department of Physics**

2014	Hao Zhipeng	Institut d'Optique Graduate School
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**Department of Chemistry**

2017	Zhao Haotian	Ecole des Ponts ParisTech
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**Department of Chemical Engineering**

2015	Zhang Guolin	Chimie ParisTech
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**College of Horticulture**

2017      Zhang Chenghao      AgroParisTech

**College of Food Science & Nutritional Engineering**

2016      Dong Yingcan      AgroParisTech

2013      Wei Ying      AgroParisTech

**College of Biological Sciences**

2017      Peng Shuang      AgroParisTech

2016      Mo Zhen      AgroParisTech

2015      Li Yan      AgroParisTech

2014      Feng Xiameng      AgroParisTech

2014      Hu Siqi      AgroParisTech





**Department of Mathematics**

2016 Jiang Xue ENSAE ParisTech

**School of Physics**

2017 Huo Lisha ENSTA ParisTech

2017 Li Shuhang Télécom ParisTech

2017 Wu Zhao MINES ParisTech

2016 Liu Ye ENSTA ParisTech

2016 Zhang Xudong ENSTA ParisTech

2016 Zhang Zhongxiu ENSTA ParisTech

2016 Zhou Sheng Institut d'Optique Graduate School

2016 Wu Yunzhi Télécom ParisTech

2015 Li Guopeng ENSTA ParisTech

2015 Zhang Ruchen ENSTA ParisTech

2015 Zhang Yifan ENSTA ParisTech

2015 Ni Huixian Institut d'Optique Graduate School

2015 Yu Linwei Institut d'Optique Graduate School

2015 Zhang Hongyi Institut d'Optique Graduate School



**Kuang Yaming Honors School**

2017	Lu Yunwen	Chimie ParisTech
2016	Yu Yanlin	Chimie ParisTech
2016	Ni Yunpeng	ESPCI ParisTech

**School of Life Sciences**

2017	Jiang Waner	AgroParisTech
2017	Jin Ling	AgroParisTech
2017	Tang Yifan	AgroParisTech
2016	Zhu Qizhang	AgroParisTech
2016	Chen Yaxian	AgroParisTech

**School of the Environment**

2016	Su Yihong	AgroParisTech
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**School of Chemistry and Chemical Engineering**

2017	Xu Maosen	Chimie ParisTech
2015	Wu Jingcheng	ENSTA ParisTech
2015	Sheng Jie	ESPCI ParisTech
2015	Xiao Jingyuan	ESPCI ParisTech
2015	Wang Yuanhui	MINES ParisTech



**College of Engineering and Applied Sciences**

2016      Chen Zeqi                  ENSTA ParisTech

**School of Earth Sciences and Engineering**

2017      Wang Weijun                  MINES ParisTech

2016      Huo Jinwen                  Ecole des Ponts ParisTech

**School of Engineering Management**

2016      Li Yanting                  Télécom ParisTech

**Department of Computer Science and Technology**

2015      Feng Mao                  Télécom ParisTech

2015      Tang Kai                  Télécom ParisTech

2015      Xu Tao                  Télécom ParisTech

**School of Electronic Science and Engineering**

2015      Zhang Zhengying                  Télécom ParisTech



**Department of Mathematics**

2015 Liu Weinan ENSAE ParisTech

**School of Energy and Environment**

2015 Duan Junbao ENSTA ParisTech

**School of Automation**

2016 Hao Di Télécom ParisTech

**School of Electrical Engineering**

2016 Du Yanlin Télécom ParisTech

2015 Ju Da Télécom ParisTech

2015 Yang Xinyi Télécom ParisTech

**School of Information Science and Engineering**

2017 Liang Jianzhong Télécom ParisTech

2016 Guo Lieqiang Télécom ParisTech

2016 Zhao Fubang Télécom ParisTech

2016 Li Xiaoyue Télécom ParisTech (Double Degree)

2016 Li Yu Télécom ParisTech (Double Degree)

2016 Chen Wentai Télécom ParisTech (Double Degree)

2015 Wang Weikang Télécom ParisTech (Double Degree)





**School of Civil Engineering**

2017 Li Zijie Ecole des Ponts ParisTech

**School of Transportation**

2017 Wu Jiabin Ecole des Ponts ParisTech

**School of Mechanical Engineering**

2015 Zhang Wendie Arts et Métiers ParisTech (Double Degree)

**School of Materials Science & Engineering**

2017 Pan Chao Ecole des Ponts ParisTech

2017 Ding Zechen Arts et Métiers ParisTech (Double Degree)

2017 Dong Chenghao Arts et Métiers ParisTech (Double Degree)

2016 Su Chang Arts et Métiers ParisTech (Double Degree)

2015 Chen Kaiyuan Arts et Métiers ParisTech (Double Degree)

2015 Yang Qiuman Arts et Métiers ParisTech (Double Degree)

**School of Instrument Science and Engineering**

2015 Wu Taiyang Arts et Métiers ParisTech (Double Degree)

« 9 + 9 » PROGRAM  
NAU STUDENTS AT PARISTECH: 36

**School of Life Science**

2015	Shao Tianheng	AgroParisTech
2014	Zhang Yuan	AgroParisTech
2014	Lu Juanwen	AgroParisTech
2013	Long Ruoyin	AgroParisTech
2013	Zhu Hongmei	AgroParisTech

**College of Food Science and Technology**

2013	He Han	AgroParisTech
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**College of Horticulture**

2013	Su Yiji	AgroParisTech
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« 9 + 9 » PROGRAM  
FUDAN STUDENTS AT PARISTECH (1/2): 210

**School of Mathematical Sciences**

2015      Xue Xingyuan      ENSAE ParisTech

**Department of Physics**

2017      Zeng Yinhan      MINES ParisTech

2016      Li Nan      Télécom ParisTech

**Department of Mechanics and Engineering Science**

2016      Hu Ningyuan      ENSTA ParisTech

2016      Yang Xiaohang      ENSTA ParisTech

2015      Yao Xu      MINES ParisTech

**Department of Nuclear Engineering and Technology**

2017      Jin Yue      ENSTA ParisTech

**School of Information Science and Technology**

2015      Gu Rui      ENSTA ParisTech

2015      Li Zizhao      ENSTA ParisTech

2015      Qian Zifei      Télécom ParisTech



« 9 + 9 » PROGRAM  
FUDAN STUDENTS AT PARISTECH (2/2): 210

**Department of Macromolecular Science**

2017	Fu Hongbo	Chimie ParisTech
2017	Wang Yaxi	Chimie ParisTech
2016	Gong Huan	Chimie ParisTech
2016	LI Mai	Chimie ParisTech

**School of Pharmacy**

2016	Wang Yu	Chimie ParisTech
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**Department of Chemistry**

2017	Zhao Zimeng	Chimie ParisTech
2015	Lin Xuan	ESPCI ParisTech





**School of Agriculture and Biology**

2017	Zhong Jinfeng	AgroParisTech
2016	Bai Xue	AgroParisTech

**School of Biomedical Engineering**

2016	Wang Xiaomeng	AgroParisTech
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**School of Environmental Science and Engineering**

2017	Yan Yijia	AgroParisTech
2016	Xu Xuefan	AgroParisTech
2015	Zhu Riheng	AgroParisTech

**School of Life Science and Biotechnology**

2015	Liu Wei	AgroParisTech
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**School of Chemistry and Chemical Engineering**

2017	Gu Qi'an	Chimie ParisTech (Double Degree)
2015	Wang Guanzhi	Chimie ParisTech



**School of Electronic, Information and Electrical Engineering**

2016	Zhao Tong	Ecole des Ponts ParisTech
2016	Fang Yuezhu	Télécom ParisTech
2016	Mi Pengfei	Télécom ParisTech
2016	Song Rui	Télécom ParisTech
2016	Sun Yiting	Télécom ParisTech
2015	Lu Ruimin	Télécom ParisTech

**School of Aeronautics and Astronautics**

2016	Wu Jiajun	ENSTA ParisTech
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**School of Mechanical Engineering**

2017	Chen Hao	ENSTA ParisTech
2017	Lyu Zhihao	MINES ParisTech
2016	Shi Qinye	ENSTA ParisTech
2015	Wu Jun	ENSTA ParisTech

**School of Naval Architecture, Ocean and Civil Engineering**

2017	Zhou Zhi	ENSTA ParisTech
2016	Tian Xinglong	ENSTA ParisTech



« 9 + 9 » PROGRAM  
 SJTU STUDENTS AT PARISTECH (3/4): 266

**Mechanical Engineering, Industrial Engineering, Materials Science & Eng.**

2017	Lu Jiabin	Arts et Métiers ParisTech (Double Degree)
2017	Yang Xi	Arts et Métiers ParisTech (Double Degree)
2016	Lan Jie	Arts et Métiers ParisTech (Double Degree)
2016	Xie Jingwen	Arts et Métiers ParisTech (Double Degree)
2016	Xia Jiangbing	Arts et Métiers ParisTech (Double Degree)
2016	He JiaHui	Arts et Métiers ParisTech (Double Degree)
2016	Wu Yijian	Arts et Métiers ParisTech (Double Degree)
2016	Jiang Jingdong	Arts et Métiers ParisTech (Double Degree)
2016	Yi Anchao	Arts et Métiers ParisTech (Double Degree)
2016	Xu Chen	Arts et Métiers ParisTech (Double Degree)
2015	Cao Ke	Arts et Métiers ParisTech (Double Degree)
2015	Wang Li	Arts et Métiers ParisTech (Double Degree)
2015	Wang Tengfei	Arts et Métiers ParisTech (Double Degree)
2015	Zhang Chunxin	Arts et Métiers ParisTech (Double Degree)
2015	Gui Yuan	Arts et Métiers ParisTech (Double Degree)
2015	He Dong	Arts et Métiers ParisTech (Double Degree)
2015	Huang Yuqian	Arts et Métiers ParisTech (Double Degree)
2015	Wei Zhenhua	Arts et Métiers ParisTech (Double Degree)



« 9 + 9 » PROGRAM  
 SJTU STUDENTS AT PARISTECH (4/4): 266

**SJTU-ParisTech Elite Institute of Technology**

2017	8 students	Ecole Polytechnique	(Double Degree)
2017	6 students	ENSTA ParisTech	(Double Degree)
2017	6 students	MINES ParisTech	(Double Degree)
2017	5 students	Télécom ParisTech	(Double Degree)
2016	8 students	Ecole Polytechnique	(Double Degree)
2016	8 students	ENSTA ParisTech	(Double Degree)
2016	7 students	Télécom ParisTech	(Double Degree)
2016	5 students	MINES ParisTech	(Double Degree)
2015	5 students	Ecole Polytechnique	(Double Degree)



« 9 + 9 » PROGRAM  
 TONGJI STUDENTS AT PARISTECH (1/4): 167

**Department of Mathematics**

2016	Jiang Jingmei	ENSAE ParisTech (Double Degree)
2015	Xu Kai	ENSAE ParisTech (Double Degree)
2014	Shen Likang	ENSAE ParisTech

**Department of Physics**

2016	Fan Caifu	ESPCI ParisTech (Double Degree)
2015	Nu Tingting	ESPCI ParisTech (Double Degree)

**Department of Chemistry**

2017	Zhang Haining	Chimie ParisTech
2014	Yang Danxuan	Chimie ParisTech

**School of Life Sciences and Technology**

2015	Liao Ruoxue	AgroParisTech
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**College of Electronic and Information Engineering**

2016	Pan Xiao	Télécom ParisTech
2013	Bai Jianfei	Télécom ParisTech



« 9 + 9 » PROGRAM  
 TONGJI STUDENTS AT PARISTECH (2/4): 167

**School of Aerospace Engineering and Applied Mechanics**

2017	Zhang Weishuang	MINES ParisTech
2016	Yu Benze	Arts et Métiers ParisTech (Double Degree)
2015	Qin Chuan	Arts et Métiers ParisTech (Double Degree)
2015	Xue Kang	Arts et Métiers ParisTech (Double Degree)
2015	Zhang Shanping	Arts et Métiers ParisTech (Double Degree)
2013	Wang Xiaobei	Ecole des Ponts ParisTech

**School of Automotive Studies**

2017	Wang Zehan	Arts et Métiers ParisTech (Double Degree)
2017	Song Zhen	Arts et Métiers ParisTech (Double Degree)
2016	Zhang Lingming	Arts et Métiers ParisTech (Double Degree)

**School of Mechanical Engineering**

2017	Zhang Fenglin	Arts et Métiers ParisTech (Double Degree)
2017	Li Zhenyu	Arts et Métiers ParisTech (Double Degree)
2016	Zhang Tianfei	Arts et Métiers ParisTech (Double Degree)
2014	Yu Siyi	ENSTA ParisTech
2013	Li Yue Lu	Ecole des Ponts ParisTech



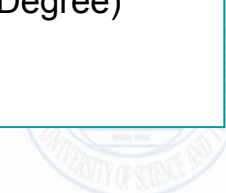
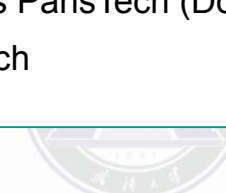
« 9 + 9 » PROGRAM  
 TONGJI STUDENTS AT PARISTECH (3/4): 167

**Vehicle Engineering (Railway)**

2016	Xia Jianbo	Arts et Métiers ParisTech (Double Degree)
2016	Jiang Song	Arts et Métiers ParisTech (Double Degree)
2016	Wang Zhiqi	Arts et Métiers ParisTech (Double Degree)
2015	Tian Shiqiao	Arts et Métiers ParisTech (Double Degree)
2015	Wu Mingyang	Arts et Métiers ParisTech (Double Degree)
2015	Xiang Dao	Arts et Métiers ParisTech (Double Degree)
2015	Zuo Mingtong	Arts et Métiers ParisTech (Double Degree)

**College of Transportation Engineering**

2017	Liu Kang	Ecole des Ponts ParisTech (Double Degree)
2013	Chen Huan	ENSTA ParisTech



**School of Civil Engineering**

2017	Shen Yuxiang	Ecole des Ponts ParisTech (Double Degree)
2017	Deng Haozhu	Ecole des Ponts ParisTech (Double Degree)
2015	Chen Yang	Ecole des Ponts ParisTech (Double Degree)
2015	Hong Shizhe	Ecole des Ponts ParisTech (Double Degree)
2015	Li Yanxiang	Ecole des Ponts ParisTech (Double Degree)
2015	Zhang Xun	Ecole des Ponts ParisTech (Double Degree)

**School of Environmental Science and Engineering**

2017	Wang Yue	Ecole des Ponts ParisTech (Double Degree)
2017	Qin Xiao	Ecole des Ponts ParisTech (Double Degree)
2016	Li Chenlu	Ecole des Ponts ParisTech (Double Degree)
2016	Liu Junqing	Ecole des Ponts ParisTech (Double Degree)
2016	Lu Yao	Ecole des Ponts ParisTech (Double Degree)
2016	Zhou Changyuyi	Ecole des Ponts ParisTech (Double Degree)
2015	Yang Cheng	Ecole des Ponts ParisTech (Double Degree)
2015	Jiang Ningling	Ecole des Ponts ParisTech (Double Degree)
2016	Guo Qingsong	AgroParisTech (Double Degree)
2015	Ji Tingting	AgroParisTech (Double Degree)
2014	Zhao Shu	AgroParisTech





**School of Mechanical Engineering**

2016	Chen Hao	Ecole des Ponts ParisTech
2015	Gong Linxia	Télécom ParisTech

**College of Electrical Engineering**

2017	Ren Lu	Télécom ParisTech
2016	Huang Di	Télécom ParisTech

**College of Computer Science and Technology**

2015	Zhang Yiyi	Télécom ParisTech
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**College of Optical Science and Engineering**

2016	Xiang Liangbin	Institut d'Optique Graduate School
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**Department of Physics**

2014	Zhao Guoyin	Institut d'Optique Graduate School
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« 9 + 9 » PROGRAM  
ZHEJIANG U STUDENTS AT PARISTECH (2/2): 45

**Department of Chemistry**

2014      Liu Jialing                  Chimie ParisTech

**Department of Polymer Science and Engineering**

2017      Jin Ying                          Chimie ParisTech

**School of Biosystems Engineering and Food Science**

2017      Xu Hangqian                  AgroParisTech

2016      Fan Yifei                          AgroParisTech

2016      Tao Peiyu                          AgroParisTech



« 9 + 9 » PROGRAM  
WUHAN U STUDENTS AT PARISTECH (1/2): 32



**College of Chemistry and Molecular Science**

2017	Liu Yuqi	Chimie ParisTech
2016	Liu Yanyu	Chimie ParisTech

**School of Mathematics and Statistics**

2017	Deng Shidi	ENSTA ParisTech
2017	Nguyen Hieu	ENSTA ParisTech
2016	Lou Suyang	ENSTA ParisTech
2015	Jin Ling	ENSTA ParisTech

**School of Resources and Environmental Science**

2015	Chen Xuanxuan	AgroParisTech
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**School of Power and Mechanical Engineering**

2016	Yang Xue	Ecole des Ponts ParisTech
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« 9 + 9 » PROGRAM  
 WUHAN U STUDENTS AT PARISTECH (2/2): 32

**School of Electronic Information**

2017	Tang Anfu	Télécom ParisTech
2017	Wang Yuqing	Télécom ParisTech
2016	Wei Chen	Télécom ParisTech (Double Degree)
2016	Yan Ming	Télécom ParisTech
2015	Fan Zhaoxi	Télécom ParisTech (Double Degree)

**School of Electrical Engineering**

2015	Peng Zhiling	Télécom ParisTech
2015	Zhang Xiao	Télécom ParisTech

**International School of Software**

2016	Li Xin	Télécom ParisTech
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**School of Computer Science**

2015	Liu Jiali	Télécom ParisTech
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**College of Electrical and Electronic Engineering**

2016	Bie Xiaoyu	Institut d'Optique Graduate School
2016	Chu Qing	Institut d'Optique Graduate School
2016	Jiang Yiyang	Télécom ParisTech
2015	Guo Bingxue	Institut d'Optique Graduate School
2015	Niu Dikai	Institut d'Optique Graduate School
2014	Li Xiang Lei	Télécom ParisTech
2014	Wang Biyun	Télécom ParisTech

**College of Physical Science and Technology**

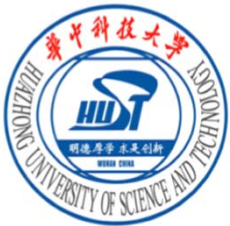
2016	You Xu	Institut d'Optique Graduate School
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**School of Mechanical Science and Engineering**

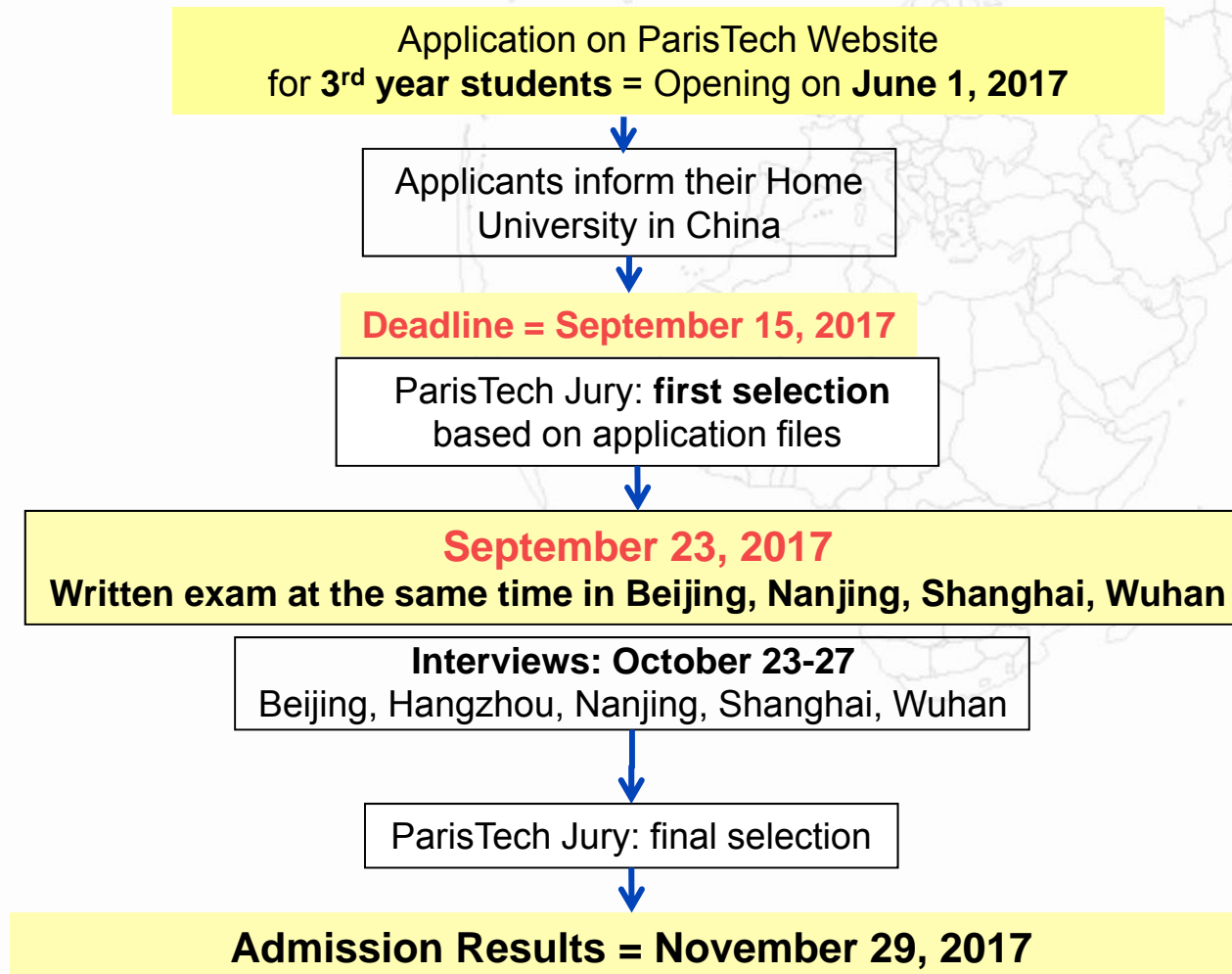
2015	Lu Ruimin	Télécom ParisTech
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**School of Optical and Electronic Information**

2017	Chen Xingyan	Institut d'Optique Graduate School
2017	Liu Renyuan	Institut d'Optique Graduate School
2017	Zhang Siyuan	Institut d'Optique Graduate School
2017	Shi Zhengkang	Télécom ParisTech
2013	Tai Yang	Télécom ParisTech



## GENERAL ADMISSION PROCESS



## HOW TO PREPARE FOR THE WRITTEN TEST?

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### 1<sup>st</sup> Part of the Test (1h30)

Part I – Applied Mathematics

- Mathematics A
- Mathematics B
- Computer Science

### 2<sup>nd</sup> Part of the Test (1h30)

Choose one or several subjects according to your specialization and to the schools of ParisTech you are interested in (see next slide)

Part II a – Applied Physics

- Basic Physics
- Mechanics
- Optics
- Electrical Eng. & Information Sci.

Part II b – Chemistry & Life Sciences

- Chemistry & Chemical Engineering
- Life Sciences

More information about the written test at:

<http://studywithus.paristech.fr/china-admission-programme50i>

## HOW TO PREPARE FOR THE WRITTEN TEST?

Fields	Part I : Applied Mathematics			Part II a : Applied Physics				Part II b: Chemistry and Life Sciences	
	Mathematics A	Mathematics B	Computer Sc.	Basic Physics (electromagnetism, basic mechanics, thermodynamics)	Mechanics	Optics	Electrical Eng. & Information Sc.	Chemistry & Chemical Eng.	Life Sciences
School of ParisTech									
AgroParisTech	++			+				+	++
Chimie ParisTech	++			+				++	
Ecole des Ponts ParisTech	++	++	+	++	++				
ENSAE ParisTech	++	++							
ENSTA ParisTech	++	++	+	++	+		+		
ESPCI ParisTech	++	+		++		+		++	
Institut d'Optique Graduate School	++	++	+	++		++	+		
MINES ParisTech	++	++	+	++	+		+		
Télécom ParisTech	++	++	++	++		+	++		

Strong Interest :	++
Interest :	+
Not important :	



## PREPARATION OF ARRIVAL

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**November 2017:** Admission Result

**December 2017 to June 2018:**

- Complete Chinese Bachelor degree
- Learn French
- Apply for Scholarships
- Apply for French visa

**July 2018:** Arrival in France

**July 2018 to August 2018:** Intensive French training in France

**September 2018:** Enter French « Grandes Ecoles »  
for 2 years' studies

- Admitted students may benefit from a partial or full tuition fee waiver (up to 18 000 € a year) for the duration of their studies at their host ParisTech Grande École.
- The precise amount of registration and/or tuition fees is determined by each ParisTech Grande École according to its legal framework.
- In 2016-2017, the total amount of tuition fees effectively paid by Chinese students admitted to ParisTech Schools was ranging from:
  - Minimum: 0 € / academic year
  - Maximum: 3 850 € / academic year

Living cost in Paris: **about 800 €/ month**

In the past years, the majority of admitted students needing financial support were awarded a scholarship

- **Government Scholarships**

- **Eiffel Scholarships**

Offered by French Ministry of Foreign Affairs **(1200 €/ month)**

Applications by ParisTech Schools for admitted students

**13 students in 2016**

- **CSC - China Scholarship Council**

Offered by Chinese Ministry of Education **(1200 €/ month)**

Applications by students themselves on the CSC website

**50 students in 2016**

- **Company, Alumni & ParisTech Schools Scholarships**

Directly granted by ParisTech Schools

## INSTITUTIONAL RELATIONS CHINA SCHOLARSHIP COUNCIL (CSC)

- Agreement signed in 2011, renewed in 2017, between ParisTech and CSC to create a doctoral program in France funded by CSC
- Agreement signed in 2015 between ParisTech and CSC for the « 9 + 9 » program, including the 18 double degree programs



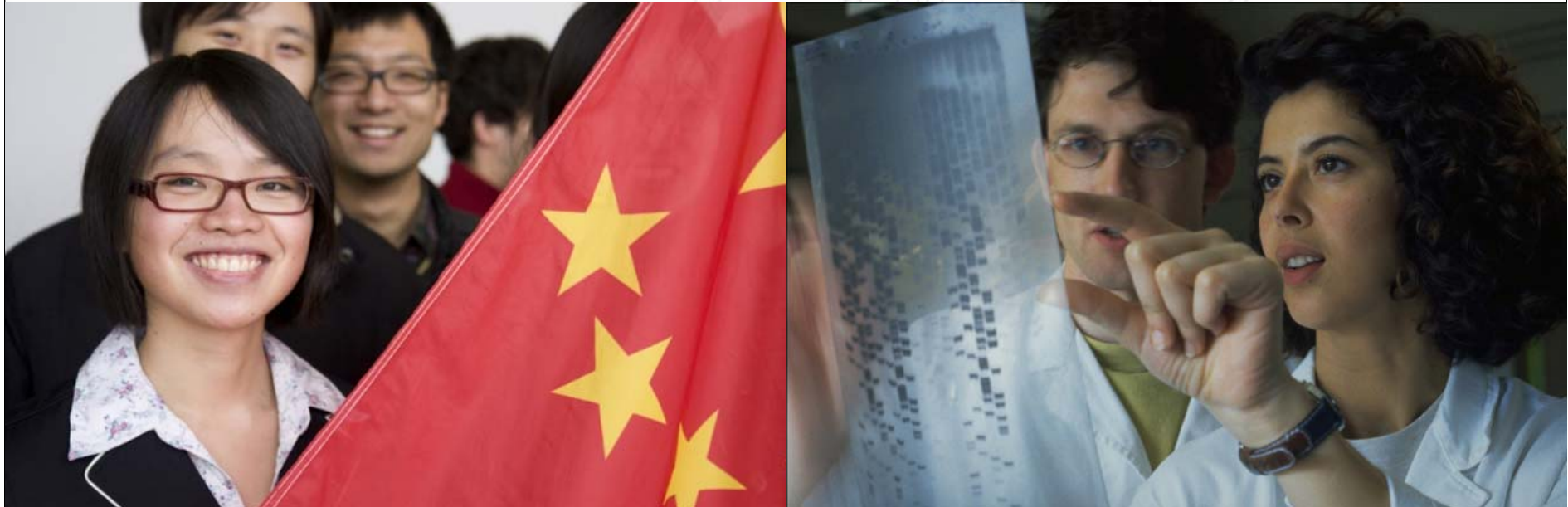
May 15, 2015

Signature of the agreement ParisTech-CSC for the « 9 + 9 » program during the 2nd session of the high-level dialogue on human exchanges between France and China chaired by **Laurent Fabius**, Minister of Foreign Affairs & International Development, and **LIU Yandong**, Vice Premier



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# ParisTech – CSC PhD Program



Candidates can either apply to:

- Up to 3 PhD research projects listed (149 PhD projects offered for 2017)
- An entire research field

12 main research fields:

- Mathematics and applications
- Computer and communication science & technology
- Physics and optics
- Chemistry, physical chemistry and chemical engineering
- Materials science, mechanics and fluids
- Design and industrialization
- Life and health science & technology
- Environmental science & technology, sustainable development, geosciences
- Energy and processes
- Science and bioengineering for agriculture, food and environment
- Planning and transport
- Economics, management and social sciences

**October 2017:** call for applications

**December 15, 2017:** deadline for application

**Early January 2018:** selection of students invited for an interview

**Mid-January 2018:** interviews in Beijing and Shanghai

**January-February 2018:** interviews (by Skype or by phone) with potential PhD advisors in France

**Beginning of March 2018:** conditional admission letters are sent to selected students

**May 2018:** CSC inform ParisTech and the applicants about the grant results

**From May to August 2018:** admitted students attend an intensive French course in China (organized by CSC)

**September 2018:** start of the PhD research in France

- ✓ Application form
- ✓ Two independent referee reports
- ✓ Student ranking certification
- ✓ University transcripts
- ✓ English summary of your Master's thesis
- ✓ Personal statement including motivation and research objectives (1-2 pages)
- ✓ Research plan (one page)
- ✓ Evidence of English or French ability
- ✓ Any further documentary proving evidence of academic achievement / excellence (for example: university prize, published work, previously awarded scholarship)
- ✓ Copy of your resident identification card



## PARISTECH ALUMNI CORPORATE EXECUTIVES IN CHINA



Edouard de Pirey  
Valeo China President  
Mines ParisTech 2003



Fabrice Fourcade  
EDF China President  
Ecole des Ponts 1988



François Provost  
CEO Dongfeng Renault  
Mines ParisTech 1994



Laurent Guyot  
Thales China CEO  
Telecom ParisTech 1990



Bruno Weill  
CEO BNP Paribas China  
Mines ParisTech 1994



Régis Calmes  
Veolia Asia President  
Ecole des Ponts 1977



Thierry Garnier  
Chairman & CEO Carrefour China  
Mines ParisTech 1991



Olivier Pequeux  
President Groupama-AVIC  
ENSAE ParisTech 2000



Laurent Gestin  
Executive Vice President, Suez  
AgroParisTech 1996



Michel Default  
Vice President HR, Michelin  
ESPCI Paris 1986



Jacques Guglielmi  
Senior Executive President, Solvay  
Chimie ParisTech 1992



Marcellin Darrou  
CEO Shanghai Keolis Transport  
Arts et Métiers ParisTech 1983

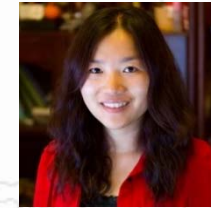
**PARISTECH ALUMNI  
 CHINESE ALUMNI - COMPANIES**



Antoine ZHANG, Vice President HR,  
 AREVA Asia - Beijing, China  
 Telecom ParisTech PhD 1992



Zhang Zhong, Senior Vice President,  
 Bekaert - Shanghai, China  
 Mines ParisTech 1985 / USTC 1979



ZHENG Yunqing, Executive Director,  
 UBS Investment Bank - Shanghai, China  
 ENSTA ParisTech 2007 / SJTU 2004



SHAN Xiaoyang (Michelle), CEO  
 Fives China - Shanghai, China  
 Telecom ParisTech 1989



Cheng Lin, Director, ZTE  
 Paris, France  
 Telecom ParisTech 1985 / Tsinghua 1979



Jin Hui, R&D Technical Leader, VALEO  
 Paris, France  
 Mines ParisTech 2007 / SJTU 2005



Li Zheng, Mechanical Engineering,  
 Schlumberger – Paris, France  
 Ecole des Ponts 2013 / Wuhan U 2007



Fei Shi, Vice President, JP Morgan  
 London, UK  
 Telecom ParisTech 2011 / Nanjing U 2008



Lei Xu, Software engineer, UBER  
 San Francisco, USA  
 Mines ParisTech 2012 / Nanjing U 2009

## PARISTECH ALUMNI CHINESE ALUMNI - UNIVERSITIES



LI Kefei, Professor, Civil Engineering  
Tsinghua University  
Ecole des Ponts PhD 2002 / Tongji 1993



YANG Xiaolu, Professor, Environment  
Peking University  
Ecole des Ponts PhD 1994 / Tongji 1993



LIN Hai, Associate Professor, Software  
Wuhan University  
Telecom ParisTech PhD 2008 / HUST 1999



XU Fan, Associate Professor, Mechanics  
Fudan University  
Arts et Métiers 2011 / Wuhan U. 2009



ZHUO Jian, Vice Chair, Urban Planning,  
Tongji University  
Ecole des Ponts PhD 2007 / Tongji 1992



XU Jinyang, Assistant Professor,  
Mechanical Engineering, SJTU  
Arts et Métiers PhD 2016 / SJTU 2013



YI Lilin, Professor & Vice-Head, Electronic  
Engineering, SJTU  
Telecom ParisTech PhD 2008 / SJTU 2002



DENG Yongfeng, Professor,  
Transportation, Southeast University  
Ecole des Ponts PhD 2009



XIA Gui-Song, Professor, Information  
Engineering, Wuhan University  
Telecom ParisTech PhD 2011 / Wuhan U 2005



## Contacts in China:

Sylvain FERRARI

巴黎高科驻华主任

申元元

china-admission@paristech.fr

Tel. : +86 21 65 98 23 36



[www.paristech.fr/en](http://www.paristech.fr/en)

<http://studywithus.paristech.fr/>

[www.weibo.com/paristechchina](http://www.weibo.com/paristechchina)

巴黎高科及其中国招生项目介绍视频

