

# ParisTech

INSTITUT DES SCIENCES ET TECHNOLOGIES  
PARIS INSTITUTE OF TECHNOLOGY

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## Science & Engineering in Paris, France

*June 2016*

## 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 ?

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- Economic power: Europe = 1st GDP, France = 6th GDP
- Situated in the heart of Europe
- Alliance between high tech / innovation and tradition / history and art / 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
  - ❖ 5th in the world (number of speakers)
  - ❖ 2nd language for the importance (scientific and diplomatic influence)

# 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)





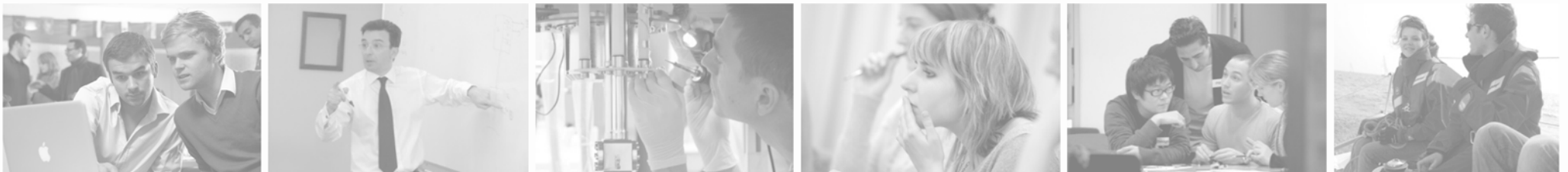
## FRENCH COMPANIES IN CHINA

- 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
- Development towards the central and western part of the country



## 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 ParisTech
- 1878 – Télécom ParisTech
- 1896 – Chimie ParisTech
- 1920 – Institut Optique Graduate School
- 1942 – ENSAE ParisTech

## FRENCH “GRANDES ÉCOLES”

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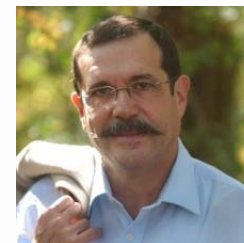
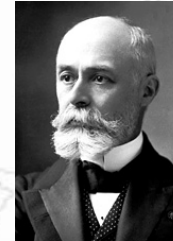
- “Grandes Écoles”: Graduate Schools of Engineering, of Business ...
  - ❖ ≠ Universities
- Created in the 18<sup>th</sup> century, as a response to the needs of the industrial world
- Strengths of French Graduate Schools of Engineering & Science
  - ❖ Highly selective system
  - ❖ Degrees based on scientific 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**



## 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 Virlogieux, 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 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



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



# 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



# ECOLE 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 PARISTECH

- 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, Microfluidics and Soft Nanotechnology



# 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



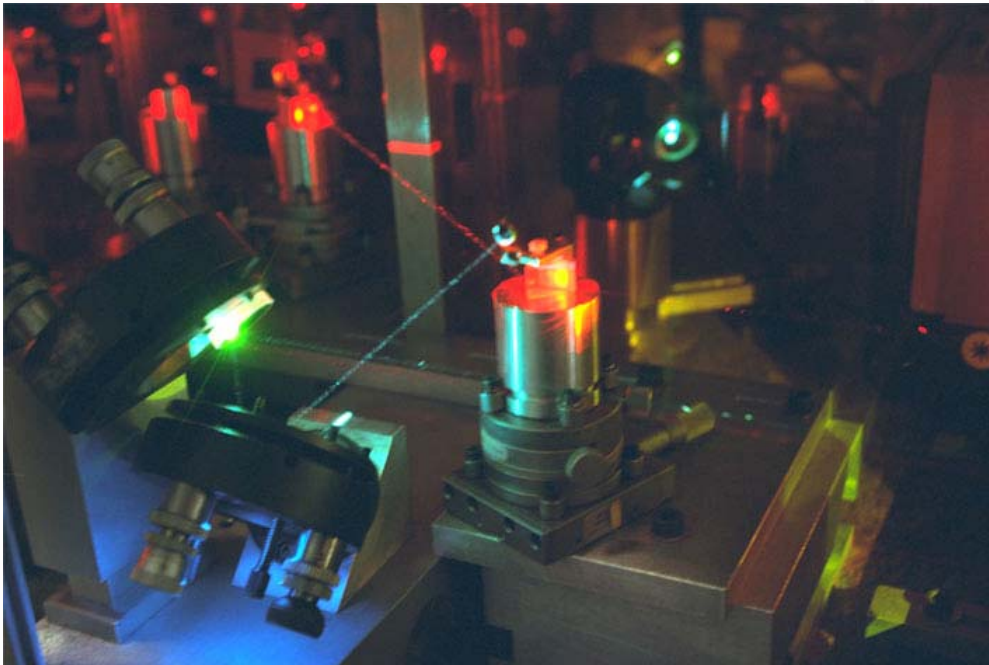
# TELECOM PARISTECH

- 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 research staff
- 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 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



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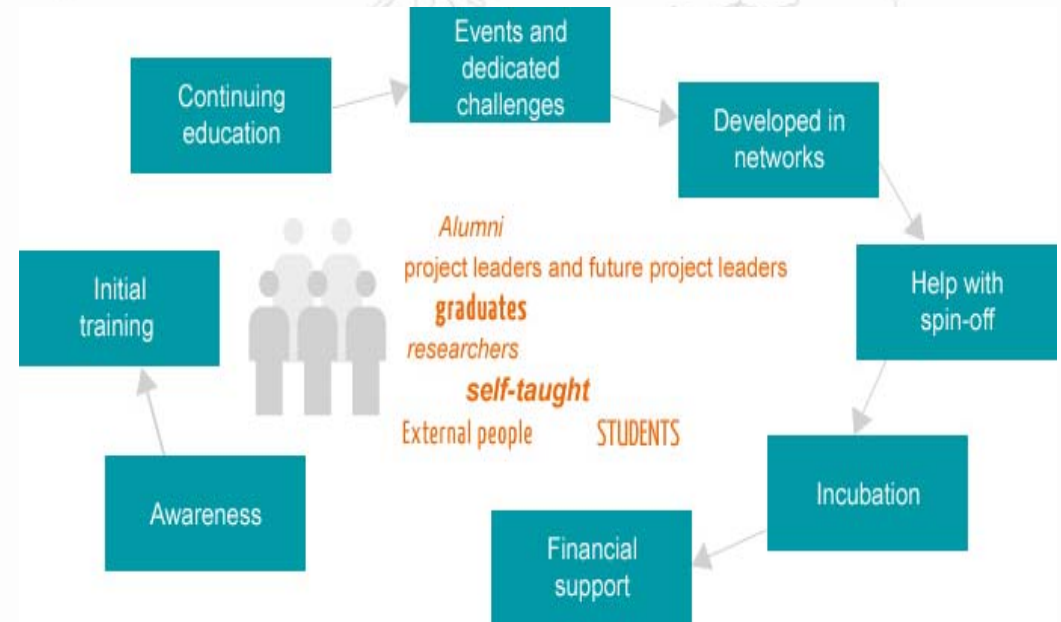
- Education
  - ❖ Lectures given by 2 900 engineers, researchers and managers
- Research
  - ❖ 60 chairs of teaching and research
  - ❖ 100 partner businesses
  - ❖ 1/3 of doctoral projects financed by companies
  - ❖ 2900 contracts with companies
- Entrepreneurship
- Executive Education
  - ❖ Nearly 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

# ENTREPRENEURSHIP AND INNOVATION

- More than 700 innovative projects already incubated
- More than 80% of the incubated innovative companies reach the milestone of the first five years of existence, or will either have been bought or merged with another group

- The entrepreneurship network

- ❖ Agoranov
- ❖ ParisTech Entrepreneurs
- ❖ Telecom ParisTech Eurécom Entrepreneurs
- ❖ Incubateur du Centre Arts et Métiers ParisTech
- ❖ Pollen
- ❖ Le 503, entrepreneurship center of Institut d'Optique Graduate School
- ❖ Incubateur Descartes
- ❖ Incuballiance (in partnership with the schools of Paris-Saclay)





## ENTREPRENEURSHIP AND INNOVATION SUCCESSFUL START-UPS

**LinkedIn**

400 million+ members – NYSE Market Cap USD\$18.4 billion

**criteo**

NASDAQ Market Capitalization USD\$2.8 billion

**Bla Bla Car**

Valued at USD\$1.6 billion

**DEEZER**

100 million Euros raised

**netvibes**  
Dashboard Everything

Acquired 50 million Euros by Dassault Systems

**leetchi.com**  
Easy & secure group payments

Acquired 50 million Euros by Crédit Mutuel

**ALDEBARAN**  
Robotics

Inventor of the Nao Robot – Acquired by SoftBank

**GOSTAI**

Acquired by Aldebaran Robotics

**Expliseat**  
LIGHT AND DURABLE AIRCRAFT SOLUTIONS

Ultra-light (4kg) Titanium Seats for Aircrafts

**acute3D**  
capturing reality

Acquired by Bentley Technologies

**ECHY**

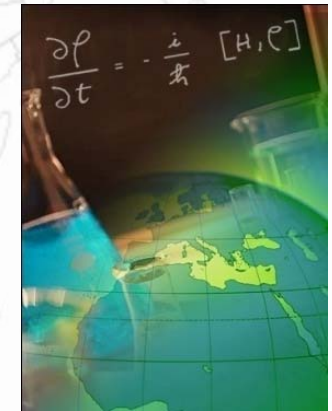
Daylighting System with Fiber Optic



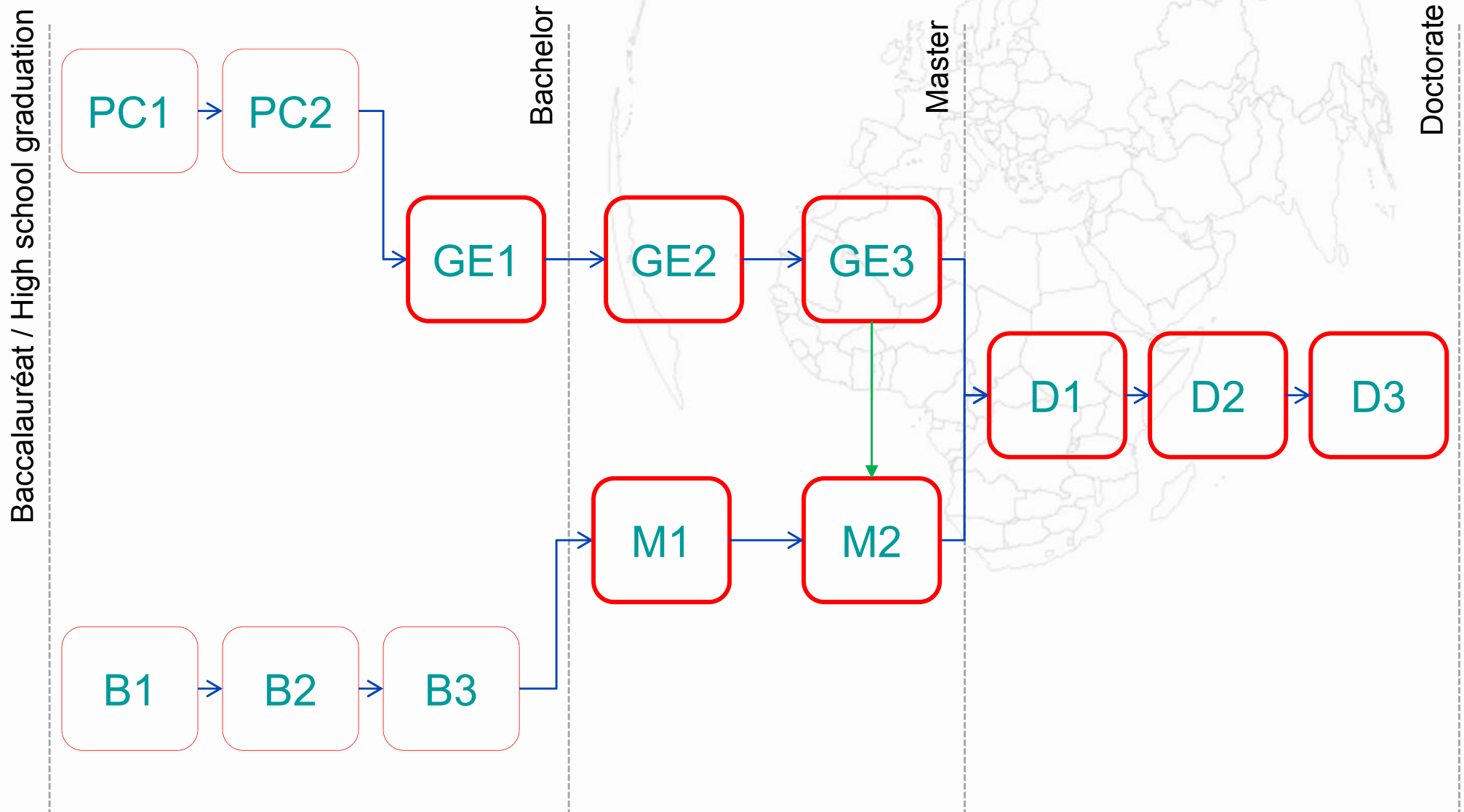


## PARISTECH DEGREES

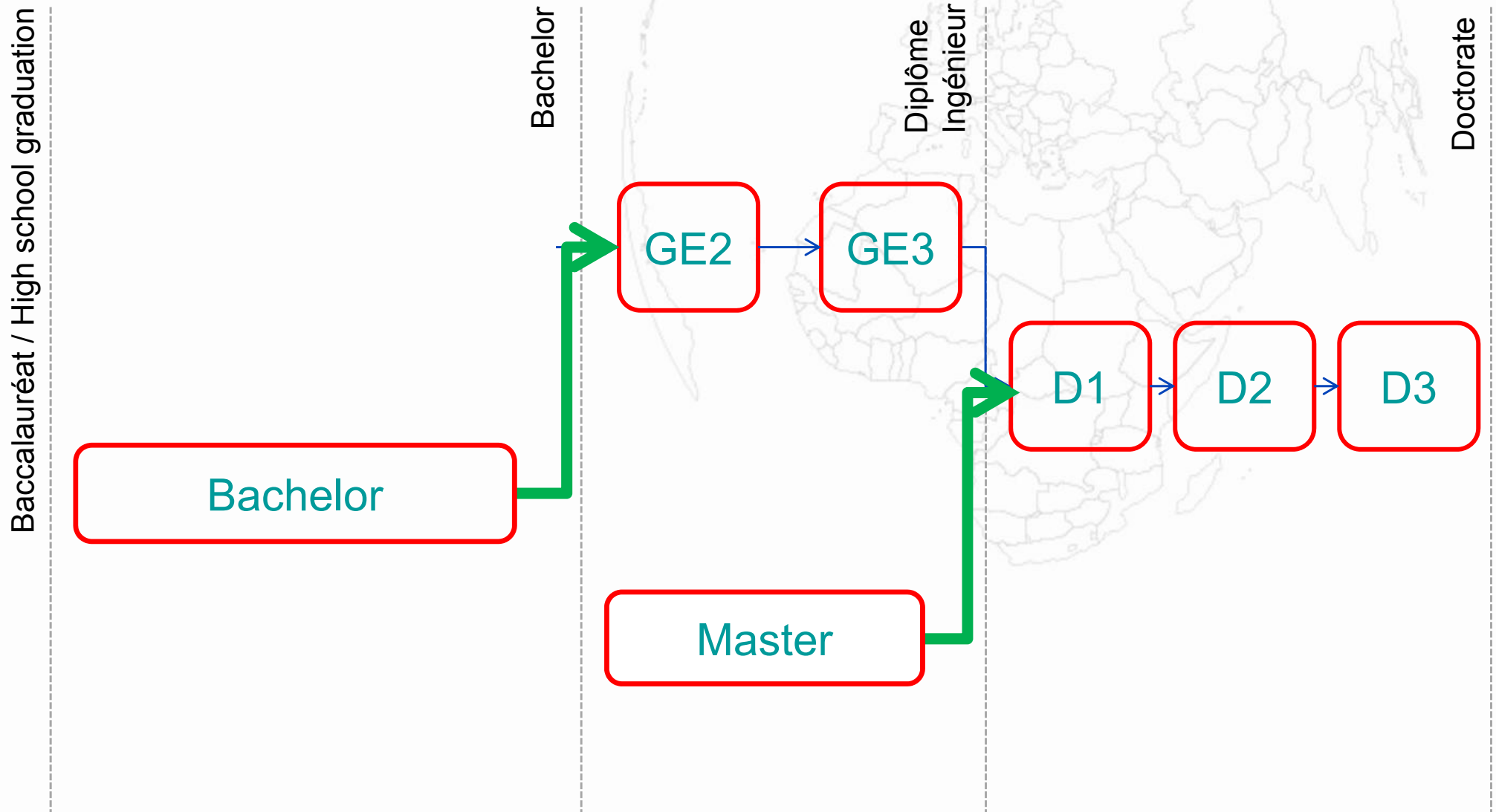
- *Diplôme d'Ingénieur* (MSc in Engineering)
- Master of Science
- Doctoral programs (PhD)
- MBA
- Executive Education



## ORGANISATION OF STUDIES AT PARISTECH IN FRANCE



## MOBILITIES TO PARISTECH FOR INTERNATIONAL STUDENTS



- 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
- Overseas campuses 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)

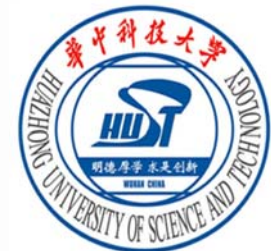


# « 9 + 9 » Program



## « 9 + 9 » PROGRAM CHINESE STUDENTS AT PARISTECH SINCE 2000: **1190**

北京大学	<b>116</b>	南京大学	<b>174</b>	复旦大学	<b>205</b>	浙江大学	<b>42</b>
清华大学	<b>91</b>	东南大学	<b>76</b>	上海交通大学	<b>233</b>	武汉大学	<b>28</b>
中国农业大学	<b>22</b>	南京农业大学	<b>36</b>	同济大学	<b>156</b>	华中科技大学	<b>11</b>



# « 9 + 9 » PROGRAM BEIDA STUDENTS AT PARISTECH: 116

## 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

2016	Zhang Meiyi	ESPCI ParisTech
2014	Duan Wenjie	Chimie ParisTech
2014	Zhang Dongyu	ESPCI ParisTech





# « 9 + 9 » PROGRAM TSINGHUA STUDENTS AT PARISTECH: 91

## School of Aerospace Engineering

2016	Chen Junfeng	MINES ParisTech
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## Department of Automotive Engineering

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 Chemical Engineering

2015	Zhang Guolin	Chimie ParisTech
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## Department of Electrical Engineering

2014	Guo Qiang	Télécom ParisTech
2014	Li Qian	Télécom ParisTech

## Department of Mathematical Science

2015	Liu Xi	ESPCI ParisTech
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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# « 9 + 9 » PROGRAM CAU STUDENTS AT PARISTECH: 22

## College of Food Science & Nutritional Engineering

2016	Dong Yingcan	AgroParisTech
2013	Wei Ying	AgroParisTech

## College of Biological Sciences

2016	Mo Zhen	AgroParisTech
2015	Li Yan	AgroParisTech
2014	Feng Xiameng	AgroParisTech
2014	Hu Siqi	AgroParisTech



# « 9 + 9 » PROGRAM

## NANJING U STUDENTS AT PARISTECH (1/2): 174

### Department of Mathematics

2016	Jiang Xue	ENSAE ParisTech
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### School of Physics

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

2016	Yu Yanlin	Chimie ParisTech
2016	Ni Yunpeng	ESPCI ParisTech

### School of Life Sciences

2016	Zhu Qizhang	AgroParisTech
2016	Chen Yaxian	AgroParisTech

### School of the Environment

2016	Su Yihong	AgroParisTech
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## « 9 + 9 » PROGRAM NANJING U STUDENTS AT PARISTECH (2/2): 174

### College of Engineering and Applied Sciences

2016 Chen Zeqi ENSTA ParisTech

### School of Earth Sciences and Engineering

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

### School of Chemistry and Chemical Engineering

2015 Wu Jingcheng ENSTA ParisTech

2015 Sheng Jie ESPCI ParisTech

2015 Xiao Jingyuan ESPCI ParisTech

2015 Wang Yuanhui MINES ParisTech



## « 9 + 9 » PROGRAM SEU STUDENTS AT PARISTECH: 76



### 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

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 Mechanical Engineering

2015 Zhang Wendie Arts et Métiers ParisTech (Double Degree)

### School of Materials Science & Engineering

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: 205

## School of Mathematical Sciences

2015	Xue Xingyuan	ENSAE ParisTech
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## Department of Physics

2016	Li Nan	Télécom ParisTech
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## Department of Mechanics and Engineering Science

2016	Hu Ningyuan	ENSTA ParisTech
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2016	Yang Xiaohang	ENSTA ParisTech
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2015	Yao Xu	MINES ParisTech
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## School of Information Science and Technology

2015	Gu Rui	ENSTA ParisTech
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2015	Li Zizhao	ENSTA ParisTech
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2015	Qian Zifei	Télécom ParisTech
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## Department of Macromolecular Science

2016	Gong Huan	Chimie ParisTech
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2016	LI Mai	Chimie ParisTech
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## School of Pharmacy

2016	Wang Yu	Chimie ParisTech
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## Department of Chemistry

2015	Lin Xuan	ESPCI ParisTech
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# « 9 + 9 » PROGRAM

## SJTU STUDENTS AT PARISTECH (1/2): 233

### 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 Mechanical Engineering

2016	Shi Qinye	ENSTA ParisTech
2015	Wu Jun	ENSTA ParisTech

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

2016	Tian Xinglong	ENSTA ParisTech
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### School of Aeronautics and Astronautics

2016	Wu Jiajun	ENSTA ParisTech
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### School of Chemistry and Chemical Engineering

2015	Wang Guanzhi	Chimie ParisTech
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### School of Agriculture and Biology

2016	Bai Xue	AgroParisTech
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### School of Biomedical Engineering

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

2016	Xu Xuefan	AgroParisTech
2015	Zhu Riheng	AgroParisTech

### School of Life Science and Biotechnology

2015	Liu Wei	AgroParisTech
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## « 9 + 9 » PROGRAM SJTU STUDENTS AT PARISTECH (2/2): 233

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

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)

### SJTU-ParisTech Elite Institute of Technology

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 (1/2): 156

## 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

2014	Yang Danxuan	Chimie ParisTech
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## 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

## College of Transportation Engineering

2013	Chen Huan	ENSTA ParisTech
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## School of Mechanical Engineering

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

## School of Aerospace Engineering and Applied Mechanics

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



## « 9 + 9 » PROGRAM TONGJI STUDENTS AT PARISTECH (2/2): 156

### 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)

### School of Automotive Studies

2016	Zhang Lingming	Arts et Métiers ParisTech (Double Degree)
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### School of Civil Engineering

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

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



## « 9 + 9 » PROGRAM ZHEJIANG U STUDENTS AT PARISTECH: 42

### **School of Biosystems Engineering and Food Science**

2016	Fan Yifei	AgroParisTech
2016	Tao Peiyu	AgroParisTech

### **School of Mechanical Engineering**

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

### **College of Electrical Engineering**

2016	Huang Di	Télécom ParisTech
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### **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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### **Department of Chemistry**

2014	Liu Jialing	Chimie ParisTech
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# « 9 + 9 » PROGRAM WUHAN U STUDENTS AT PARISTECH: 28



## **College of Chemistry and Molecular Science**

2016	Liu Yanyu	Chimie ParisTech
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## **School of Mathematics and Statistics**

2016	Lou Suyang	ENSTA ParisTech
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2015	Jin Ling	ENSTA ParisTech
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## **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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## **School of Electrical Engineering**

2015	Peng Zhiling	Télécom ParisTech
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2015	Zhang Xiao	Télécom ParisTech
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## **International School of Software**

2016	Li Xin	Télécom ParisTech
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## **School of Electronic Information**

2016	Yan Ming	Télécom ParisTech
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## **School of Computer Science**

2015	Liu Jiali	Télécom ParisTech
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# « 9 + 9 » PROGRAM HUST STUDENTS AT PARISTECH: 11

## 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

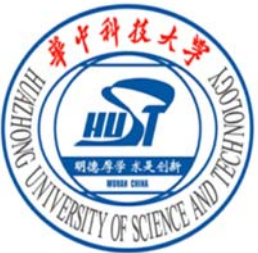
2016	You Xu	Institut d'Optique Graduate School
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## School of Mechanical Science and Engineering

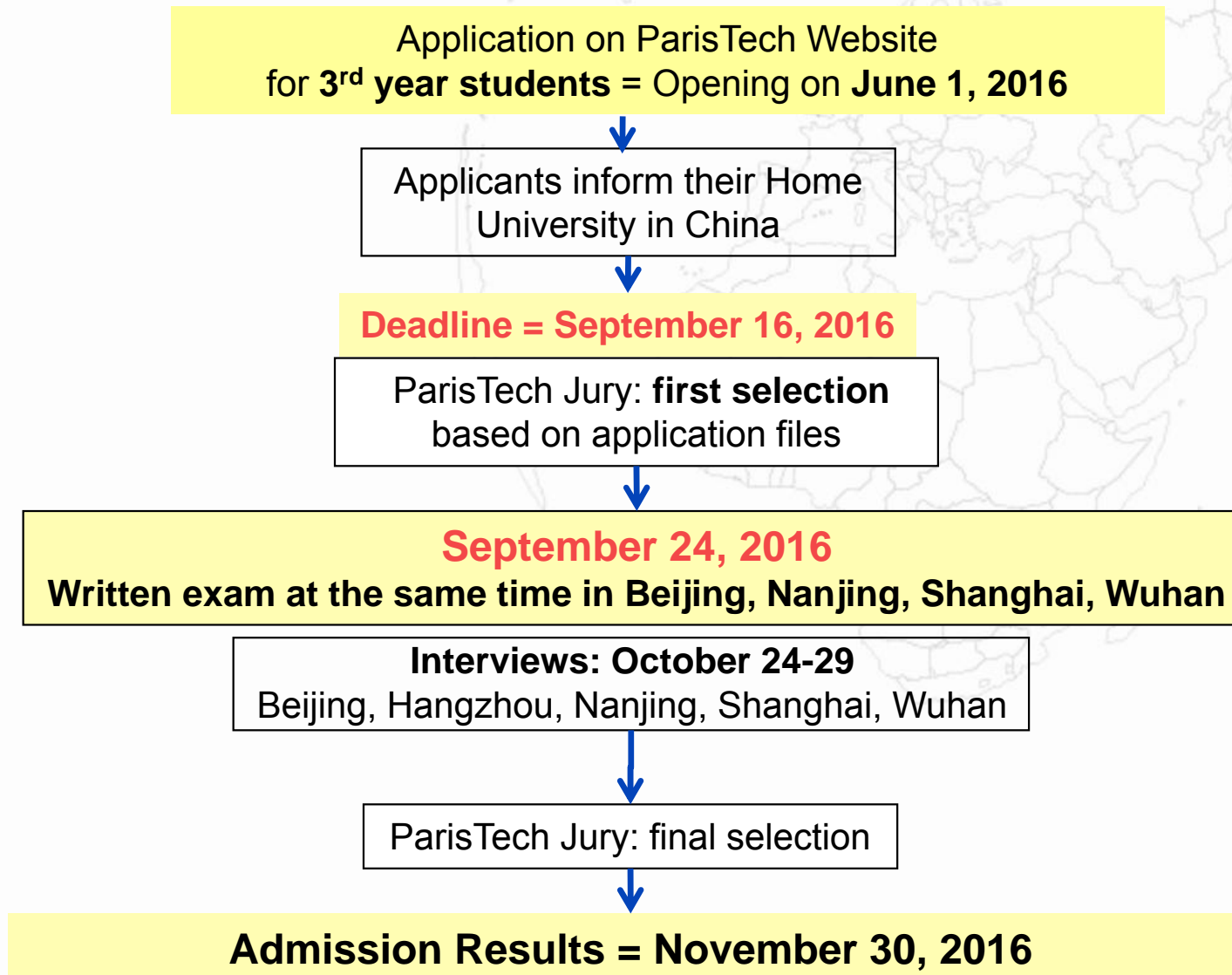
2015	Lu Ruimin	Télécom ParisTech
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## School of Optical and Electronic Information

2013	Tai Yang	Télécom ParisTech
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## GENERAL ADMISSION PROCESS



## HOW TO PREPARE FOR THE WRITTEN TEST?

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### **1<sup>st</sup> Part of the Test (1h45)**

Mathematics A

Physics

### **2<sup>nd</sup> Part of the Test (1h45)**

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

Mathematics B

Mechanics

Electrical Engineering and Information Science

Computer Science

Chemistry & Chemical Engineering

Life Sciences

More information about the content and organization of the ParisTech entrance test on ParisTech website

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

## HOW TO PREPARE FOR THE WRITTEN TEST?

Fields	Part I		Part II					
School of ParisTech	Mathematics A	Physics	Mathematics B	Mechanics	Electrical Eng. & Information Sc.	Computer Sc.	Chemistry & Chemical Eng.	Life Sciences
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 2016:** Admission Result

**December 2016 to June 2017:**

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

**July 2017:** Arrival in France

**July 2017 to August 2017:** Intensive French training in France

**September 2017:** Enter French « Grandes Ecoles »  
for 2 years' studies

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

**17 students in 2015-2016**

- **CSC - Chinese Scholarship Council**

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

Applications by students themselves on the CSC website

**46 students in 2015-2016**

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

Directly granted by ParisTech Schools

## INSTITUTIONAL RELATIONS CHINA SCHOLARSHIP COUNCIL (CSC)

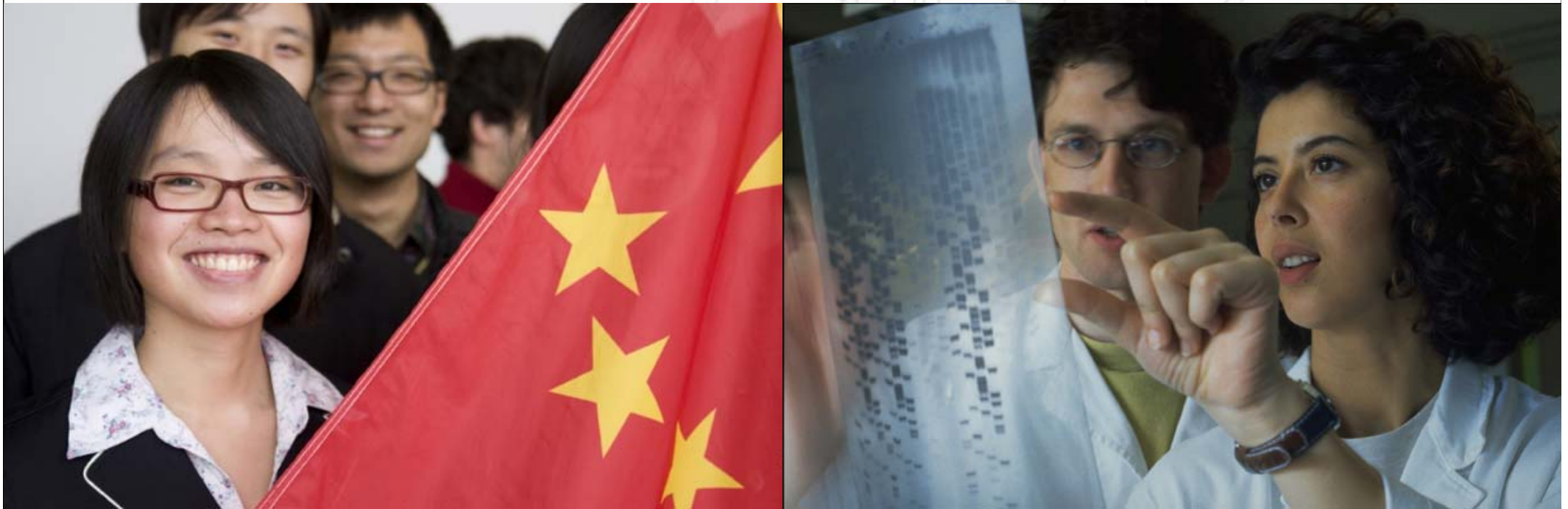
- Agreement signed in 2011 between ParisTech and CSC to create a doctoral program in France funded by CSC
- Agreement signed in 2015 between ParisTech and CSC for the « 9 + 9 » program, including the 18 double degree programs



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*

# ParisTech – CSC PhD Program





## PHD OPPORTUNITIES

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Candidates can either apply to:

- Up to 3 PhD research projects listed (99 PhD projects offered for 2016)
- 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 2016:** call for applications

**December 31, 2016:** deadline for application

**Early January 2017:** selection of students invited for an interview

**Mid-January 2017:** interviews in Beijing and Shanghai

**January-February 2017:** interviews (by Skype or by phone) with potential PhD advisors in France

**Beginning of March 2017:** conditional admission letters are sent to selected students

**May 2017:** CSC inform ParisTech and the applicants about the grant results

**From May to August 2017:** admitted students attend an intensive French course in China (organized by CSC)

**September 2017:** start of the PhD research in France

## APPLICATION

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- ✓ 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



## ***More information :***

### **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)**