

# CENTRALESUPELEC A GLOBAL HEI IN SCIENCES & TECHNOLOGIES IN PARIS-SACLAY, BRITTANY AND LORRAINE





Ecole Centrale Paris (Ecole Centrale Paris -1829)

**Supélec** (Ecole Supérieure d'Electricité - 1894)

Merged 1 Jan 2015 to jointly create **CentraleSupélec** 



137 WW
61 in Eng. & Tech Ist in France
8 in LessThan50 ranking
9 in Employer Reputation / 67 in employability



Telecomm Eng. 18 WW 1st in France
Automation and Control 35 WW 1st in France
Elecal & Elecic Eng. 51-75 WW 1st in France
Mechanical Eng. 51-75 WW 2nd in France
Comp Science 101-150 WW 2nd in France



## CENTRALESUPELEC GLOBAL KEY FIGURES



4000 Graduate Students
30% International
500 doctoral candidates



450 Teachers/Researchers



200 International Partners



CESAER

Joined CESAER in 1990 and founded T.I.M.E. in 1989



17 Research Depts



140 Corp. Partners







#### A LOCAL ANCHORAGE



60 000 students 9 000 Masters and 4600 PhD (40% international) 9 000 researchers 145 ERC grants, 10 Fields Medalists, 2 Nobel Prize Represents 13 % of the French public research 20 Doctoral Schools





























#### و CentraleSupéle

#### A NATIONAL GROUP









### **2017 A NEW CAMPUS IN SACLAY**





#### CENTRALESUPÉLEC - ENGINEERS-ENTREPRENEURS OF HIGH SCIENTIFIC LEVEL



CS Engineers master Science & Technology with a high capacity of abstraction and conceptualization applied to Complex Systems



They are **Leaders and Innovators in action**, creating social and economic value at an international level

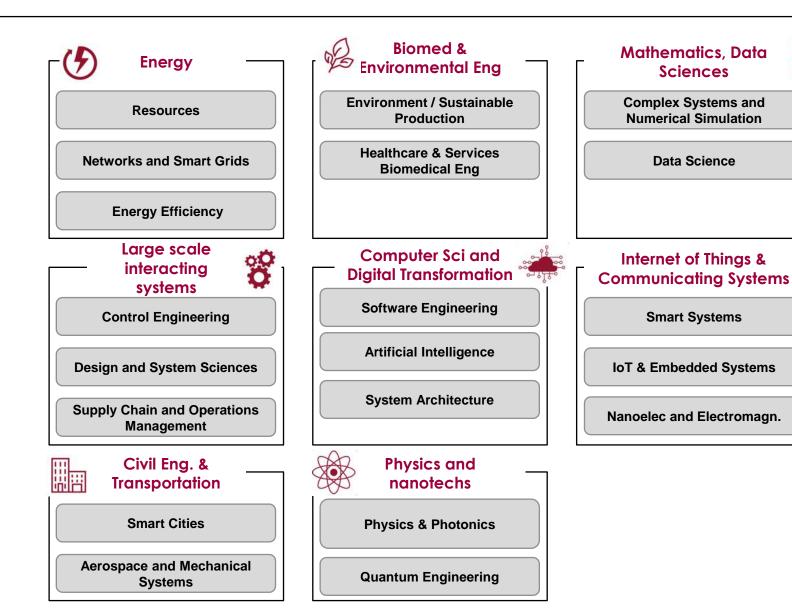


 They are comfortable and innovative with major technological and societal changes, especially in the digital world

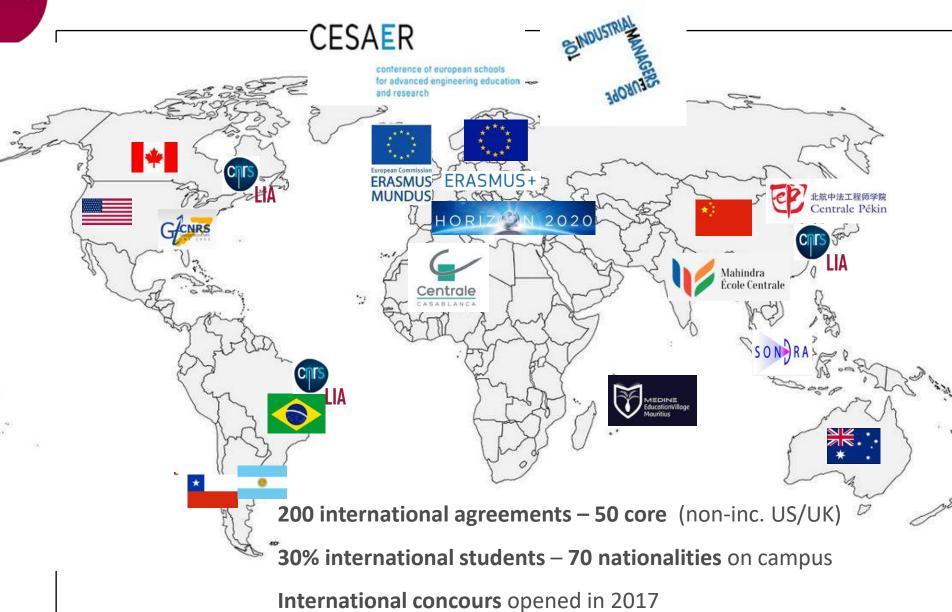


 they are humanists, sensitive to social issues. They have a sense of responsibilities and respect for others

#### 20 specialized tracks in 8 domains of concentration



#### A STRONG INTERNATIONAL SCOPE



#### Degree Seeking Programs

- **Engineering Program:** Complex Systems (need a high level in Math)
  - Very best Bachelor students (GaoKao+4)
  - 2 Year Accelerated track mostly taught-in-English program
- MSc Advanced Program in Engineering: 1 year in a given Major taught in French

Automation

- Data Science and Mathematics

Energy

- Computer Science

- Mechanical Engineering and Aerospace
- Signal and telecommunication Industrial Engineering
- Data Science & Business CentraleSupelec with ESSEC
  - Iyear program in English
  - 2 tracks: Data Science and Business analytics

#### Semester Programs for international Students

#### **Spring Semester**

- Feb-June each Year
- Taught in English (expt BDA)
- courses + project +Language + Campus life andSport
- Paris-Saclay, Rennes or Metz Campuses (expt BOA in Morocco)

Mechanical & Aerospace

**Applied Physics** 

Electrical Eng.

Applied Maths & Computer Sci.

Industrial Eng.

Business & Operation in Africa

#### Summer Schools for international Students

- Artificial Intelligence and Industry4.0
- 2 weeks early July
- Courses, Project and Seminars
- In Partneship with Flinders (Australia) and ETS (Quebec)
- Cultural program





https://www.summerschoolcentralesupelec.fr/



#### TITRE DE LA PRÉSENTATION

#### RESEARCH CENTRES

Confidentiality, Integrity, Availability, Repartition (CIDRE – Rennes) assoc. with INRIA, CNRS Hybrid Systems Control (ASH - Rennes) assoc. with CNRS Facial Analysis, Synthesis and Tracking (FAST - Rennes) Signal, Communications & Embedded Systems (SCEE - Rennes) assoc. with CNRS Optical Materials, Photonics, and Systems (LMOPS - Metz) Autonomous Systems and Robotics (Metz) assoc. with LORIA Signals and Systems (L2S – Paris-Saclay) assoc. with CNRS Mathematics and Informatics for Complex Systems (MICS – Paris-Saclay) Computer Science (within LRI – Paris-Saclay) associated with CNRS, Psud Industrial Engineering and Innovation Management (LGI – Paris-Saclay) Process Engineering and Materials (LGPM – Paris-Saclay) Energetics and Combustion (EM2C - Paris-Saclay) associated with CNRS Quantum and Molecular Photonics (LPQM – Paris-Saclay) associated with CNRS Physical Properties and Modeling of Materials (SPMS – Paris-Saclay) associated with CNRS Mechanics, Structures and Material – Civil Eng. (MSSMat – Paris-Saclay) Group of electrical engineering- PariS (GeePs – Paris-Saclay) associated with CNRS, Psud, UPMC

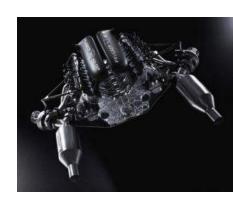


## University -Industry Collaboration © CentraleSupélec

- Premium Partner club: GdF Suez, EdF, EADS, Safran, PSA...
- **Education**: Teaching, projects, seminars and conferences, visits, field trips
- Research: Contract, PhD works, Chairs, Sponsorship
- Innovation: Open Inno Inst., Incubator, Entrepreneurship, Technology Transfer
- Professional training: Skills oriented teaching, Internships (28 weeks minimum), CentraleSuplélec Forums (national and international)
- Policy and Sponsorship: School board, consulting bodies, major sponsorship, scholarship, strong Alumni Association (regional offices)
- Alumni
- ❖ Executive Education















AIRFRANCE /





































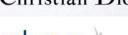
























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