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



ABOUT...

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 1st in Franc 8 in LessThan50 ranking 9 in Employer Reputation / 67 in employab



Telecomm Eng.18 WW Automation and Control 35 WW Elec^{al &} Elec^{ic} Eng. 51-75 WW Mechanical Eng. 51-75 WW 2nd in France Comp Science 101-150 WW

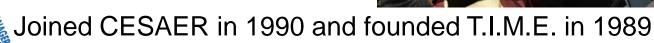
1st in France 1st in France 1st in France 2nd in France

CENTRALESUPELEC GLOBAL KEY FIGURES





જ





140 Corp. Partners

35 000 WW active Alumni

4000 Graduate Students

500 doctoral candidates

450 Teachers/Researchers

200 International Partners

30% International





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



ARWU 2018 by Subject Ranking



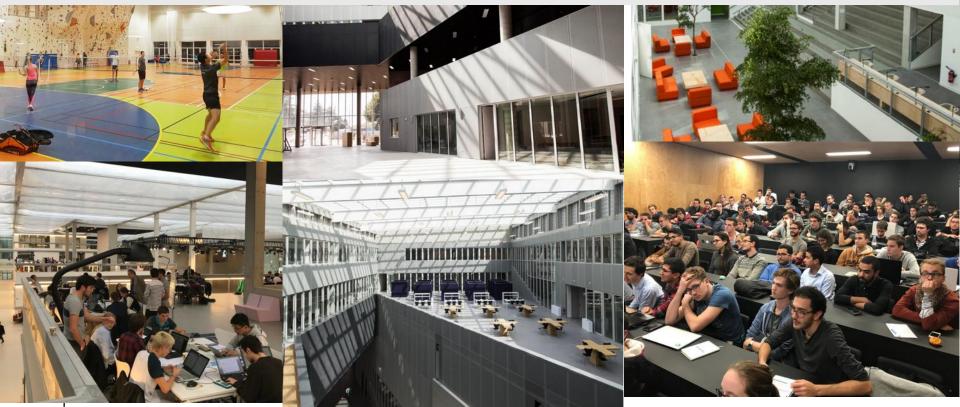
PARIS-SACLAY 2018 Projected **ARWU World** Ranking $16^{th} - 20^{th}$

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



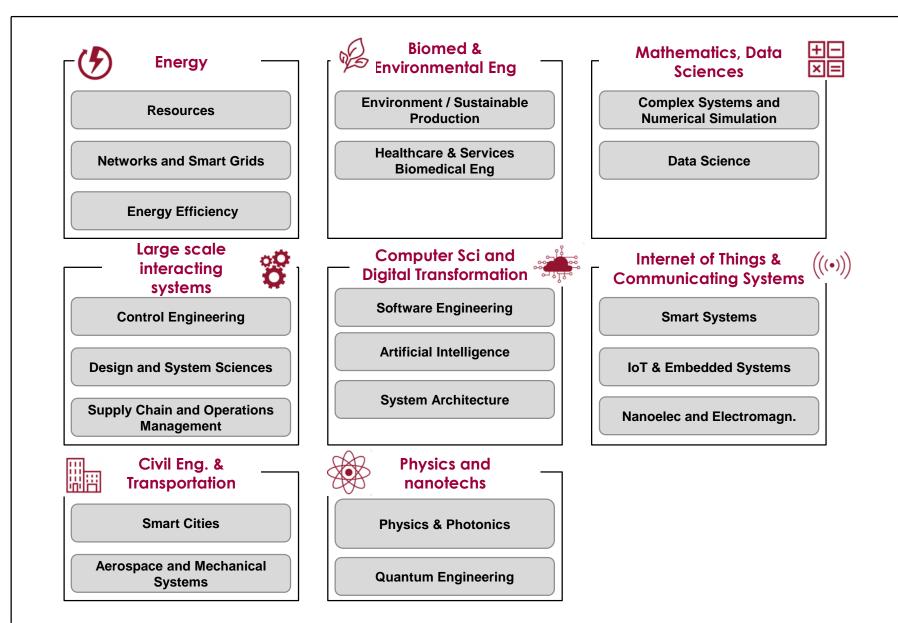
They are **comfortable and innovative with major technological and societal changes**, especially in the digital world



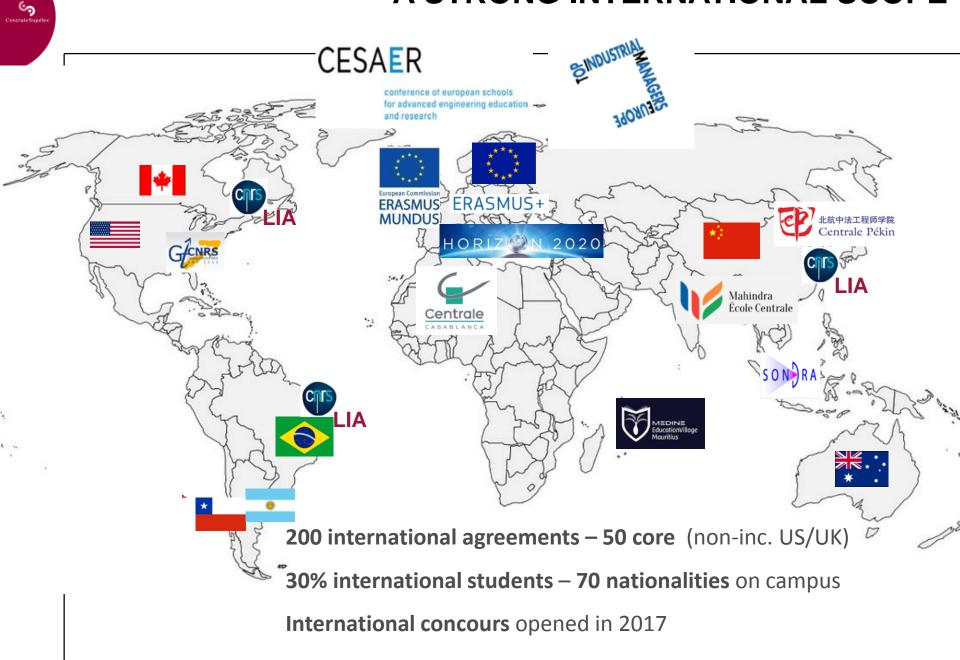
they are **humanists**, sensitive to social issues. They have a sense of responsibilities and respect for others



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

્ર

- Computer Science
- Mechanical Engineering and Aerospace
- Signal and telecommunication Industrial Engineering

- Data Science & Business CentraleSupelec with ESSEC

- 1year program in English
- 2 tracks: Data Science and Business analytics



Semester Programs for international Students

<u>Spring Semester</u> - Feb-June each Year - Taught in English	Mechanical & Aerospace	Applied Maths & Computer Sci.
(expt BOA)	Applied Physics	Industrial Eng.
- courses + project + Language + Campus		
life and Sport	Electrical Eng.	Business &
- Paris-Saclay, Rennes or Metz Campuses (expt BOA in Morocco)		Operation in Africa

Summer Schools for international Students

- Artificial Intelligence and Industry4.0
- 2 weeks early July

ŝ

- 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)

્ર

- □ 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)



ి

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







