

SHAKE THE FUTURE.



SHAKE
THE
FUTURE.

A large digital display screen in the background showing promotional content for Centrale Nantes. It includes the university's logo, the slogan 'SHAKE THE FUTURE.', the website 'ec-nantes.fr', social media icons for Facebook, Twitter, YouTube, and LinkedIn, and the date '26/02/2018'. The screen also features a photograph of a man in a green shirt in a laboratory setting and a list of technical specifications for a camera system.

CENTRALE NANTES

SHAKE THE FUTURE.
ec-nantes.fr

26/02/2018

L'UNE DES 5 CAMÉRAS
LES PLUS RAPIDES AU MONDE
SUR LE CAMPUS

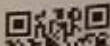
- 4 MILLIONS D'IMAGES / SECONDE
- 80 IMAGES À 8 MÉGA PIXELS

Dans le cadre du projet ConnectTalents IDS
mené par Julien RHÉTORE,

Médaille de Bronze CNRS 2011
Chercheur au GEM depuis 2016 au sein de l'équipe
Modélisation et Simulation.

Rafael ESPARZA

Master 1 Mechanical Engineering: Energetics and Propulsion ,
Centrale Nantes, France
Instituto Politécnico Nacional, Mexico
2017-2019





1. You are currently registered at Centrale Nantes. Could you describe in few words your studies?

I am taking courses in propulsion, thermodynamics and fluid mechanics. So, I am gaining a good understanding of the physical laws of these subjects and I am applying that knowledge to turbines, turbomachinery, for example, to predict the lift or drag produced by a wing or the thrust in a nozzle.

2. What's your academic background?

I have spent seven semesters studying aeronautical engineering in the Instituto Politécnico Nacional in Mexico. So, I have acquired knowledge about turbomachinery and propulsion, airplane control and stability, flight mechanics, aerodynamics, composite materials and design and analysis of structures.

3. What is life like on campus and in Nantes? (accommodation etc)?

Perfect. Nantes is a very nice city, it is quiet and green but also modern and interesting. The student residence is on campus and many international students live there, so

there is a pleasant and multicultural ambience with plenty of activities like football matches, a visit to the museums of the city or even a party.

4. What is your career plan?

I would like to finish my degree and after I would like to study for a master's degree maybe in France. I would also like to do an internship in a prestigious airplane company in structural or aerodynamic design.

5. If you had to describe Centrale Nantes in 3 words, which ones would you choose? Could you give one sentence per word to explain?

International: there are many international students from all over the world.

Research: there are many professors conducting cutting-edge research in almost every area of engineering.

Industry: the students of the École are very well valued in industry.