

**ADMISSION CRITERIA**

The Master's course is open to European and third country-students who already hold a first university degree providing 180 ECTS, after at least three years of university studies (at the level of bachelor of science), in a field related to robotics, such as: automatic control, mechatronics, computer science, electrical engineering, mechanical engineering, and applied mathematics. Applicants must be fluent in writing and reading in English TOEFL (score 220 CBT, 550 PBT, 80 IBT), Cambridge Advanced English Test (score B or higher), IELTS (score 6.5 or higher), TOEIC (800). Admission is decided on the basis of excellence of the academic records of the student, the quality of her/his former studies, motivation, reference letters and general language skills.

**LANGUAGE**

The language of instruction and evaluation is English. Students take local language and culture courses as a part of the Master's programme.

**TUITION FEES**

European Union students:

€4,500 per year

Non-European Union students:

€9,000 per year

**SCHOLARSHIPS**

Consult the JEMARO website for details on Erasmus Mundus Scholarship, MEXT JASSO scholarship and consortium scholarships.

**INTAKE & APPLICATION DEADLINES**

One intake per year: beginning of September

Application deadline: see JEMARO website

**More information**

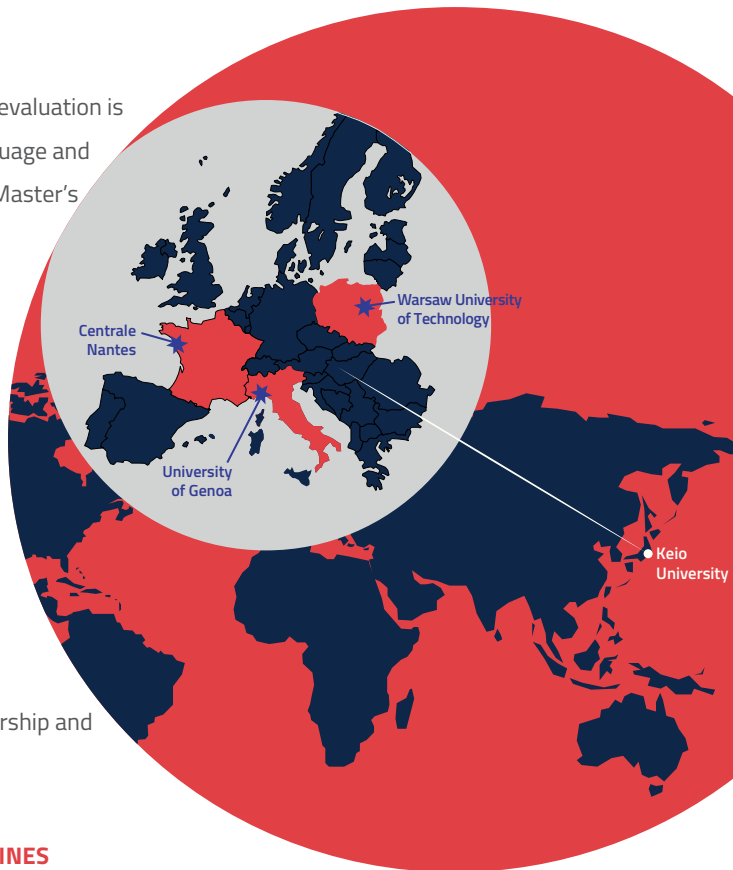
<https://jemaro.ec-nantes.fr/>

[jemaro@ec-nantes.fr](mailto:jemaro@ec-nantes.fr)

Facebook: @JEMAROprogram



# J E M A R O



ロボット

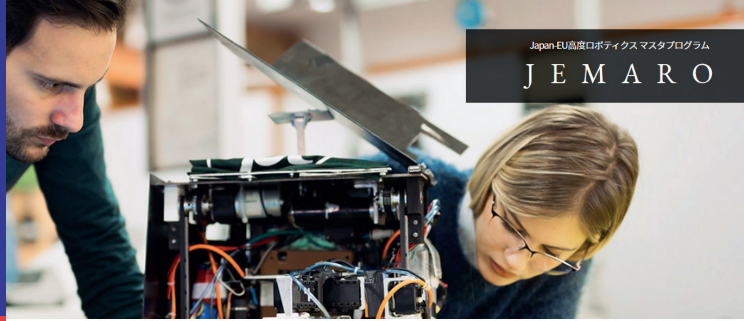


With the support of the Erasmus+ Programme of the European Union





JEMARO



Japan-EU 高度ロボティクスマスタプログラム  
JEMARO

## What is an Erasmus Mundus Joint Master Degree (EMJMD)?

An EMJMD is a prestigious, integrated, international study programme, jointly delivered by an international consortium of higher education institutions and other partners with specific expertise and interest in the study programme.

## What does an EMJMD bring to your career plans?

- **International vision:** mandatory mobility, local languages courses
- **Visibility on the job market:** benefit from the Erasmus Mundus label of excellence
- **Network:** strong alumni network, partnerships with industries and research centers

More information:  
<http://ec.europa.eu/programmes/erasmus-plus/>

JEMARO stands for Japan-Europe Master on Advanced Robotics. The specificity of this programme is to enable each of its students to study both in Europe and in Japan.

The JEMARO Master's programme is a high-quality educational offer in the area of advanced and intelligent robotics. By mastering Mathematical Modeling, Control Engineering, Computer Engineering, Mechanical Design, students are able to deal with robotic systems as a whole.

Through lectures by reputable researchers, practical work on the latest experimental platforms, sessions with industrial specialists and annual workshops, JEMARO students acquire the most advanced knowledge that will prepare them for the upcoming challenges in Robotics and Artificial Intelligence.

Scholarships covering tuition fees and living costs, including travel, are available to the best applicants.

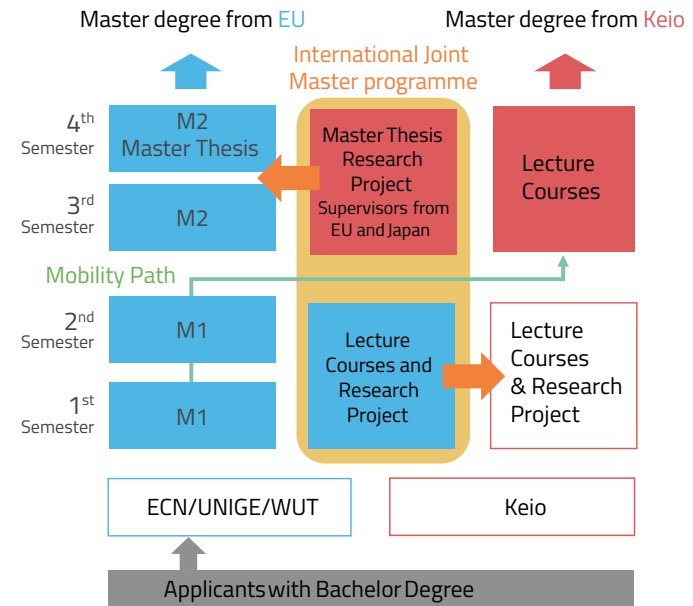
To learn more see: [jemaro.ec-nantes.fr/about/](http://jemaro.ec-nantes.fr/about/)

## CONSORTIUM

JEMARO has been jointly designed, and is implemented and fully supported by **4 major Higher Education Institutions** in Japan and Europe awarding master's degrees: **Ecole Centrale de Nantes - ECN (France)**, **Keio University - Keio (Japan)**, **University of Genoa - UNIGE (Italy)** and **Warsaw University of Technology - WUT (Poland)**.

**Jaume I University (Spain)** and **Shanghai Jiao Tong University (China)**, as **Associated Partners**, are involved in lectures, students' internships, PhD programme and strategy committee.

JEMARO also offers an innovative educational approach through the involvement of teaching staff coming from **8 industrial partners across Europe and Japan**: **YASKAWA, Soft Servo Systems, NTT Data, Motion Lib, Inc., BA Systems, PIAP-Space, PIAP, IRT Jules Verne**.



## Mobility Path & Programme

### FIRST YEAR IN EUROPE

The aim of the first year is to provide students with solid interdisciplinary background across the main areas of robotics: perception (computer vision, sensors, signal processing), cognition (computer science, artificial intelligence, human computer interaction), action (kinematics, dynamics, control), and mathematical foundation (modelling, simulation, optimization). Students will also get to define research topic as part of their Research Track.

### SECOND YEAR IN JAPAN

Locally, the programme is split between courses related to control, mechatronics, robotics, human interface, signal processing and biological information, and research activities conducted under the joint supervision of professors from EU institutions and from Keio. Students will devote time to the Research Track to conduct their own research and earn Japanese Research Credits. For the second year, the Research Track will end with the Master's Thesis Defense.

## JEMARO at a glance

First Erasmus Mundus programme co-coordinated by France (Ecole Centrale de Nantes) and Japan (Keio University)

Integrated Research Track co-coordinated between European and Japanese professors

Students that graduate from the JEMARO will obtain two master's degrees from the institutions where they studied during their two years in the programme. The degrees conferred are officially recognised and give full access to PhD study programmes.

The programme of study lasts two academic years with the first year in Europe (ECN, UNIGE or WUT) and the second in Japan (Keio University).