

**EMARO+**  
**European Master on Advanced Robotics +**

**Duration**

2 years

**Course description**

EMARO+ is an integrated Masters course conducted by: Ecole Centrale de Nantes (France) the EMARO+ coordinator, Warsaw University of Technology (Poland), the University of Genova (Italy) and the University of Jaume I (Castellon de la Plana, Spain). EMARO+ has associated partners from Asia (Shanghai Jiao Tong University, and Science and Technology Faculty of KEIO University (Japan)), and from Industry (IRT Jules Verne, SIIT, BA System, Airbus Group Innovation, Robotnik). Objectives: The Masters is designed to promote a high-quality educational offer in the area of advanced and intelligent robotics. After graduation the students will have mastered the different areas of robotics (Mathematical modeling, Control Engineering, Computer Engineering, Mechanical design) in order to be able to deal with Robotics systems as a whole rather than just to concentrate on one particular area. The career prospects for EMARO+ graduates are very good as the proposed courses are relevant to today's high technology society. Students may take the master as a professional terminal degree, or to join PhD programmes afterwards. Duration and mobility: The programme of study lasts two academic years (120 ECTS) split into four equally loaded semesters. The student has to spend the first year in a European institution and the second year in another European institution. An optional mobility is possible during the fourth semester to an Asian associated partner, or to Industrial associated partner. Programme summary: The language of instruction is English, but local language and culture courses of the hosting countries are included in the programme of study. The programme of the first two semesters is the same in the consortium institutions; it provides the students with a solid interdisciplinary background across the main areas of robotics (Cognition, Action, and Perception). During the third semester, more specialised courses (varying from partner to partner and based on the specific research strengths of the partner's institutions) are proposed. The fourth semester is devoted to the Master thesis. Degrees awarded: Students that graduate from EMARO+ masters course will obtain two masters degrees from the institutions where they studied. The degrees are officially recognised and give full access to PhD study programmes. The Consortium will deliver Diploma supplement describing the nature, level, context, and content of the studies that were successfully completed by the student. Admission Requirements: The masters course applies to European and third country-students who already hold a first university degree after at least three years of university studies, with 180 ECTS, in a field related to Robotics area such as: automatic control, computer science, electrical engineering, mechanical engineering, and applied mathematics. The applicants have to be fluent in English.

**Web site**<http://emaro.irccyn.ec-nantes.fr/>**Partners**

ECOLE CENTRALE DE NANTES, France (coordinating institution)  
UNIVERSITAT JAUME I DE CASTELLON, Spain  
UNIVERSITA DEGLI STUDI DI GENOVA, Italy  
POLITECHNIKA WARSZAWSKA, Poland

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