



Master professionnel Vision Image et Intelligence artificielle multimédia

Master d'Excellence ERASMUS MUNDUS en Traitement des images et Robotique VIBOT (VIsion and roBOTics)

VENEZ ETUDIEZ Dans le CADRE de notre Master ERASMUS MUNDUS, validé par la Commission Européenne en 2005.

Site de localisation :

Centre Universitaire Condorcet
720, avenue de l'Europe
FR-71200 Le Creusot, FRANCE

Une expérience inoubliable :

- Un cursus de deux ans dont 3 semestres d'étude dans 3 pays Européens (Ecosse, Espagne, France), et un stage de 6 mois dans les meilleurs laboratoires nationaux et internationaux (Laboratoire National d'Oak Ridge, (USA), CSIRO - Sydney (Australie), Université de Sao Paulo (Brésil), Université Trois Rivières (Canada).....).
- Une promotion de 40 étudiants brillants originaires de 30 pays différents.
- Un enseignement en Anglais.
- Des bourses d'études pour couvrir les droits d'inscriptions (8800 Euros).
- Des bourses de voyages pour aider aux divers déplacements.
- L'obtention de trois diplômes de niveau master :
 - Master de l'Université d'Heriot Watt Edimbourg, en Ecosse
 - Master de l'Université de Gérone en Espagne
 - Master de l'Université de Bourgogne, Le Creusot, France.
- Des bourses pour une poursuite en thèse de Doctorat.

Title of Masters Course

VIBOT – European Master in Vision and Robotics

Duration: 2 years

Course description:

The European master on Computer Vision and Robotics strives to meet the present need for quality control and automation of industrial processes. It also confronts the increasing importance of medical imagery in the field of health. The course aims to provide professional qualifications for robotics, computer vision, image processing and medical imaging either in public laboratories or private research companies. The two-year programme proposed is divided into four semesters: the first semester is spent at the Heriot-Watt University (United Kingdom); the second semester takes place at the University of Girona (Spain); the third semester is hosted by the University of Burgundy (France); the fourth semester focuses on the master thesis carried out in a research lab or an enterprise involved in the consortium.

VIBOT students cover a wide range of study areas, learning the basics of signal and image processing (software and hardware) and becoming familiar with the tools and methods of computer vision (compression, segmentation, real-time, shape recognition, 3D vision, etc).

They will work on robotics (including control and programming for robot autonomy and intelligence) and medical imaging (the biological basis, infrared imagery, X-Ray and ultrasound imagery). The final semester offers practical research experience in one of the laboratories of the university members of the consortium (for non-European students) or in a laboratory of a third-country university partner (for European students). Students may also choose to do a vocational training period in a European company (for the non-European students) or in a company in the country of the third-country university partner (for European students).

Each university articulates its offer of courses on the basis of its own approach, so that students benefit from different cultural and scholarly perspectives. Classes are taught in English by eminent researchers from the three laboratories: SIG/OSL at Heriot-Watt culture and language is also offered to the students. The student population is between 30 and 40 each year, with an average professor/student ratio of approximately 1 professor to 5 students.

The Master's qualification (consisting of a joint certificate, a multiple degree and a diploma supplement) is awarded by all three universities, and countersigned by the consortium's director. Applicants must be of excellent academic standing, and possess a solid knowledge of English. Their motivation and the relevance of the programme to the student's professional intentions will also be taken into consideration.

Website:

<http://www.vibot.org>

Partners:

University of Burgundy, France (Co-ordinating Institution)
Heriot-Watt University, United Kingdom
University of Girona, Spain

Contact:

Fabrice Meriaudeau
Université de Bourgogne
Centre Universitaire Condorcet
720, avenue de l'Europe
FR-71200 Le Creusot, FRANCE
URL : www.vibot.org
Email : ub@vibot.org
Téléphone : 03 85 77 40 80