

Rasmus Bramm *CURRICULUM VITAE*

AREA OF INTEREST: Robotics and Computer Vision

PERMANENT ADDRESS

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PERSONAL

Name: Rasmus Bramm

Date of Birth: 1. August 1984

Nationality: Danish

EDUCATION

- 2007 Bachelor of Science in, Electronics and Computer Engineering (B.Sc.EE) from Copenhagen University College of Engineering.
- 2006 Exchange semester at The Hong Kong Polytechnic University 香港理工大學, in Hong Kong China.
- 2006 Integrated engineering practice at Kort & Matrikelstyrelsen under the Danish Environmental Protection Agency (NAEP).
- 2007 Bachelor thesis at Rigshospitalet in their PET/CT department. Bachelor title: The Good Picture (Optimizing images from a PET/CT scanner).
- 2007 Erasmus Mundus Master in Computer Vision & Robotics (VIBOT)
- 2009 Final project at Universidad Politécnica de Madrid.
M.Sc. title: Real-time object tracking and robustness

MAIN FIELDS OF BACHELOR STUDY

Natural Science, Electro physics, Electronics, Electronic Data Processing (EDP), Networks, Data and Telecommunication, Information Management and Specialization in Electronic and Computer Engineering.

BACHELOR PROJECT

The project focused on optimizing PET/CT scans for cancer diagnoses. How is the best images created? The study involved different test of image processing algorithms, based on PET/CT scans. The project also tried to find a correlation between the image quality and the patient's Body Mass Index (BMI).

MASTER

VIBOT is a two-year Master Program in 3D Vision and Robotics accredited in 2006 by the European Commission in the framework of the Erasmus Mundus program. It is the only Erasmus Mundus Master Program in 3D Vision and Robotics among the 103 Erasmus Mundus Master Programs accredited since 2004 in all disciplines.

VIBOT Master students have courses in the three collaborating universities: **University of Burgundy in France, University of Girona in Spain and Heriot Watt University in Scotland.** The courses start from a comprehensive coverage of the prerequisites in the field of digital imaging (hardware and software) and basic image processing algorithms, and end up with research level teaching of their applications in the fields of robotics, medical imaging and 3D vision systems.

Besides technical skills and knowledge, graduate students from the VIBOT Master program acquire language skills, a sense of mobility and broadmindedness.

MASTER PROJECT

The aim of project is to track an object in real-time, using a camera mounted on an autonomous helicopter. The tracking algorithm should be robust and accurate, so the helicopter can navigate independent on weather conditions. This will eventually enable the helicopter to land and take-off more safely and could be used in law enforcement operations.

INTERESTS

- Electronics/IT
- International Culture/Languages/Traveling
- Fitness/Run/Biking

LANGUAGE

- Danish - *Mother Tongue*
- English - *Advanced*
- Spanish - *Basic*
- French - *Beginner*

SCHOLARSHIP

- Reinholdt W Jorck og Hustrus Fond travelling grant
- Henry og Mary Skovs Fond travelling grant
- Burgundy Council grant
- Spanish Ministry of Education 2008 and 2009 mobility grants