



The New European Master of Science in GNSS



- The EC-funded project 'Education, Research and Innovation in GNSS' highlighted that **"there is a lack of graduate education in GNSS fundamental techniques"** → the creation of a joint Master course was strongly recommended
- As an answer to this, EC/GSA decided to support the creation of a new **collaborative 2-year Master of Science (MSc)**, taught in English that involves prominent European universities in the GNSS field based in recognized GNSS centres of excellence

Content of the MSc

- Centered on GNSS with advanced lectures in telecom
- 2-year program **taught in English:**
- 3 semesters composed of **lectures** and 200+ hours of **supervised applied projects**
 - **Fundamental theory:** maths, electromagnetics, signal processing, digital communications, ...
 - **System:** antenna, payload, signal, propagation, network, receiver, integrity, hybridization, ...
 - **Applications:** civil aviation, precise positioning, pedestrian, vehicular, LBS, etc...
 - **Management:** management, team work, IP, business...
- 4th semester is an **in-company or lab internship** to prepare students for employment

- Hosted in **Toulouse (France)** by **ENAC** (Ecole Nationale de l'Aviation Civile – the French Civil Aviation University)
- Degree jointly awarded by **ENAC** and **ISAE** (Institut Supérieur de l'Aéronautique et de l'Espace – Aeronautics and Space Higher Education Institute)
- Toulouse is the **European capital of aeronautics and space industries.**
 - It is the base of leading companies and institutions (e.g. Thalès Alenia Space, EADS Astrium, the French Space Agency, Airbus, and many SMEs related to the world of GNSS and telecommunications).

A European Partnership

- Created with the **support of the EC/GSA**
- Tight partnership with **University FAF Munich (Germany)** and **Politecnico di Torino (Italy)**, both **world-recognized GNSS research laboratories**, through:
 - Teaching,
 - Internship offer,
 - Networking: Munich and Torino being **European GNSS centres of excellence**,
 - Expertise,
 - Steering committee

More Information

- The new MSc in GNSS opens in **Sept 2012!**
- Application open to any student with a **completed bachelor** in Electrical Engineering, Aerospace Engineering, Mathematics, Physics or equivalent
- Leaflets available at ICG in the EC booth
- Curriculum and more information available online at <http://www.enac.fr/en/menu/training/bachelor-degrees/master-gnss>
- Contact:
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