



© dell - Fotolia.com



© 2012 ESA-CNES-ARIANESPACE



© SpaceTech 2009

SCIENCE • PASSION • TECHNOLOGY



MASTER'S PROGRAMME

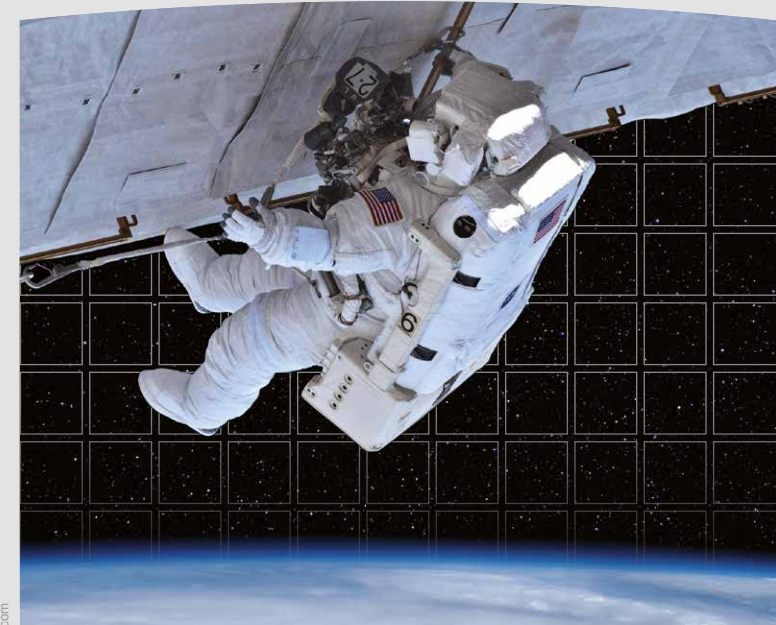
# SpaceTech

MASTER OF ENGINEERING (MEng)  
IN SPACE SYSTEMS AND BUSINESS ENGINEERING

## FACTS

- **Start of the programme:** March 2018
- **Duration of the programme:** 3 semesters
- **Schedule:** please see [SpaceTech.tugraz.at](http://SpaceTech.tugraz.at)
- **Locations:**
  - Graz University of Technology (Austria)
  - Near CNES Toulouse (France)
  - ESA ECSAT Harwell (United Kingdom)
  - DLR GSOC Munich (Germany)
  - ESA ESRIN Frascati (Italy)
  - ESA ESTEC Noordwijk (The Netherlands)
- **Language of instruction:** English
- **Degree:** Master of Engineering (MEng) in Space Systems and Business Engineering
- **Application Deadline and Attendance Fee (VAT-free):** Exclusive costs for travelling, lodging and meals, for applications received before
  - 30 Nov 2017: € 32.500 (Early Bird)
  - 15 Jan 2018: € 34.000 (Regular)
  - Self payers: please contact us regarding available stipends
- **Contact and Registration:**
  - Dipl.-Ing. Peter Schrotter
  - TU Graz Life Long Learning
  - Email: [peter.schrotter@tugraz.at](mailto:peter.schrotter@tugraz.at)
  - Phone: +43 316 873-4935
- **Detailed information:**
  - ▶ [SpaceTech.tugraz.at](http://SpaceTech.tugraz.at)

SCIENCE • PASSION • TECHNOLOGY



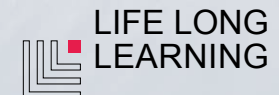
© marcel - Fotolia.com

**'EARLY BIRD DISCOUNT**  
UNTIL 30 NOV 2017

MASTER'S PROGRAMME

# SpaceTech

MASTER OF ENGINEERING (MEng)  
IN SPACE SYSTEMS AND BUSINESS ENGINEERING



# SpaceTech

The space sector is a fast growing segment. It features newest research activities and offers the possibility to transfer newly developed technologies in practical use cases.

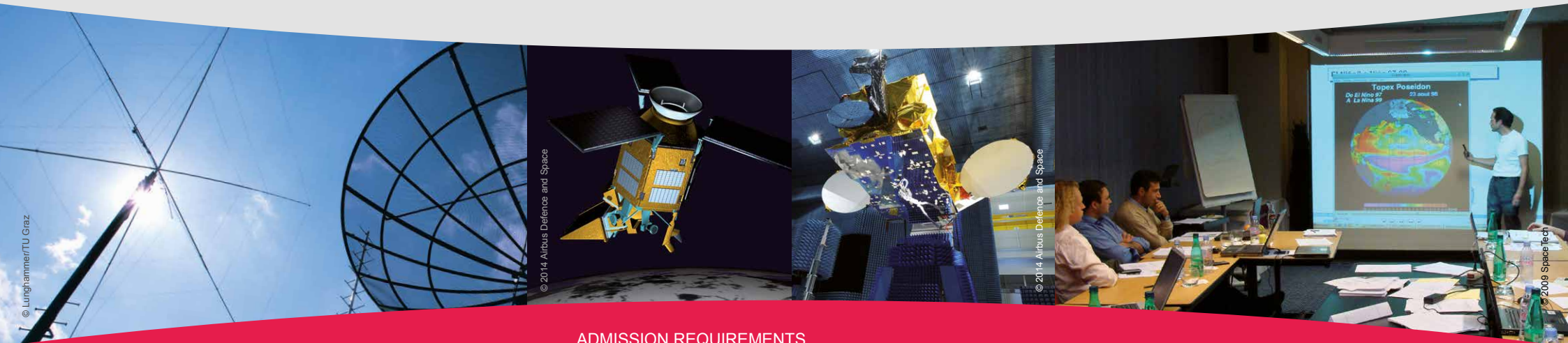
Space industries have, over the years, tended to become multinational in nature. Thus, a demand identified by both industry and agencies was the need to provide training to

their prospective future systems engineers and programme managers to prepare them to work in or direct international teams. Industry in particular must have staff that is both highly qualified technically and which understand and can implement the modern business practices that are necessary to run a profitable business in today's competitive environment.

The TU Graz master's programme, **SpaceTech**, is a successor, with an expanded and improved curriculum, to the

SpaceTech programme that was offered for thirteen years by the Delft University of Technology in the Netherlands. It contains all the topics that used to be taught in the predecessor programme, supplemented with new classes in project management and human space flight, and with the preparation of a master's thesis.

► [SpaceTech.tugraz.at](http://SpaceTech.tugraz.at)



## CONTENT AND FOCUS

- Project Management
- Business Engineering
- Space Mission Analysis and Design
- Telecommunications
- Earth Observation
- Systems Engineering
- Navigation
- Human Space Flight
- Interpersonal Skills & Leadership Development
- Central Case Project (CCP)

A written master's thesis is required to be defended in front of an exam committee.

## ADMISSION REQUIREMENTS

- BSc or higher equivalent degree in engineering or natural science or similar academic qualification
- Proven relation to space sector and typically five years or more of experience in the field of space systems
- Proficiency in English

## FUTURE FIELDS OF WORK

After completion of the **SpaceTech** programme, the graduates will have acquired extensive knowledge in the areas of space systems and business engineering, learned how to apply this knowledge to solve real problems, and gained practical experience in individual and multicultural teamwork. This will have prepared them to perform a variety of leadership and management roles in the international aerospace field, whether in industry or in various space agencies.

## TARGET AUDIENCE/PARTICIPANTS

- International mid-career professionals seeking top-level expertise in space systems and business engineering

## TEACHING METHOD AND LANGUAGE

The **SpaceTech** programme is designed with both online and presence session elements. This is intended to allow participants to take the course in parallel with their normal jobs. It also features, as an important area of particular emphasis, a Central Case Project on which all participants work, both individually and collectively. All lectures, documentation, and examinations are in English.