

Emanuele Flesia

A.A. 2007/2008



The SEEDS Master Course has been a good opportunity to learn the basis of Space System Engineering and to increase my technical skill in the other space disciplines. During the Project Work I learned the meaning of team work and I had the chance to collaborate with space industries experts in three different locations: Toulouse, Bremen and Torino, three poles of aerospace industry. The European environment gave me the possibility to know the different ways to approach a problem in the different countries. The master was a great experience and gave me the possibility to increase my professional experience in the space system engineering. Now I'm pursuing a six-month internship at Thales Alenia Space in Torino, in which I collaborate with a research program coordination team.

Jacopo Gottlieb

A.A. 2007/2008



SEEDS has been an extremely positive experience for my personal and professional development. Its multidisciplinary approach to space engineering provides a great deal of information on every aspect of this fascinating topic. Specific attention is given to system engineering methodologies, a key element for the success of any complex engineering project. An additional qualifying feature of this master is its well conceived international dimension. The project work, which is the very core of the overall SEEDS experience, takes place in Toulouse, Bremen and Turin with the support of local universities and industries. This allows participants to experience different and somewhat complementary approaches to aerospace engineering, to better understand the multicultural environment that characterizes the European space industry and to extensively practice their English. A travel through Europe which is both instructive and entertaining. At the moment I am doing a 6-month internship in Thales Alenia Space (Torino) as deputy system engineer for a feasibility study related to an experimental re-entry vehicle.

Alessandro Quaglia

A.A. 2007/2008



After graduating in Astronautic Engineering at the School of Aerospace Engineering to the University “La Sapienza” of Rome, I decided to enjoy in the international master SEEDS for the chance to go further into the field of the human space exploration. The master has been an extraordinary experience of life and work in an international environment. The internationality of this project (France, Germany and Italy), in fact, was a very interesting point in terms of ways of working, cultures and space activities (industries, universities and research centers). The project work activities in Toulouse, Bremen and Torino gave me also the possibility to increase my personal background, to learn a lot about the different approach to solve the problems, to acquire team working methodologies, and to work under pressure with efficiency in time management and prioritizing tasks. In the end, it is also important to highlight the possibility to know a lot of interesting people who are working in the space sector and not, and the opportunity to increase my background not only from the technical and knowledge point of view, but also concerning social and organizer skills. I am currently doing an internship at the Thales Alenia Space, started after the end of the master, and in particular I’m working in the space environment and habitats sector related to the future human exploration missions.

Filippo Testa

A.A. 2007/2008



I graduated in Mechanical Engineering at “Università degli Studi di Catania” in 2006. In my opinion the best aspects of Master SEEDS are:

- the opportunity both to create a theoretical background and to perform the feasibility study of a very complex system;
- work in team in an international environment;
- the possibility to meet very experienced engineers;
- the possibility to participate to congresses to present the results of the Project Work.

Now I’m working in Thales Alenia Space Italia and I’m involved in the fracture analysis of the Commercial Orbital Transportation System (COTS) of NASA program.

Salvatore Cusumano

A.A. 2006/2007



The Master SEEDS has been really a great experience for me. As an Aerospace Engineer, being part of SEEDS was an opportunity to be introduced into the space field, studying subjects and working on projects that always have fascinated me. Personally, I think that the key points of the Master are:

- The strong presence of the major European Space Industries which put students in contact with very high qualified engineers;
- The constant tutors support during all the project work phases in Turin, Toulouse and Bremen;
- The capability to really teach us how to work in a team respecting the tight schedule time.

After the master SEEDS, I have worked for Thales Alenia Space as Stress Engineer for one year. I have been involved in the Optimization of the Ultra Light Pressurized Vessels for the SPACEBUS Satellites and I have performed Static analysis for a pressurized propellant tank within the ALPHABUS Satellites. I have also worked on Static and Modal analysis of the Grapple Fixture structure of the Node 3 and on the Pressurized Logistics Module (PLM). At the moment I am working for Airbus Deutschland in Hamburg. My activities include Static and Fatigue analysis for the aircraft A-330.

Vincent Drevet-Cadet

A.A. 2006/2007



After graduating in general engineering at ECAM Lyon (Engineering school, Lyon, France) and after a specialisation in aerospace at SUPAERO (Aeronautic and aerospace school, Toulouse, France) I decided to join the SEEDS project work.

The Project Work of this master in space exploration has been a great opportunity for me to get some experience in space programmes design. The internationality of this project (France, Germany and Italy) was as well a very interesting point in terms of ways of working (which are very different from a country to another). At the end of the project, the team had a very efficient work methodology in which we used the strong aspects of management and work methods of each country. The technical knowledge acquired was also another major advantage of this master course. Today, I am working as a consultant for ALTEN (one of the many sponsors of the SEEDS master course). In October 2008, we (the SEEDS II team) will have the pleasure to present the results of our work at the congress of the International Astronautical Federation in Glasgow.

Alessandro Fimiani

A.A. 2006/2007



After graduating in Telecommunication Engineering at “Politecnico di Torino” in January 2006 and after working as software developer in Madrid, I applied for SEEDS 2006/7 because I was strongly motivated to take this unique opportunity to develop my professional career in the Space exploration sector.

SEEDS Master really represented for me an excellent opportunity to learn fundamental and advanced space system engineering concepts: the most important features of this course are, in my opinion, the variety and the completeness of topics considered during the lessons, and the possibility to practice them in a multinational team during the Project Work. Currently I am employed by “Altran Italia” as consultant in Thales Alenia Space in Torino. I am working in the frame of the Herschel-Planck program, an ESA scientific mission of primary importance for the solar system exploration and for the understanding of the origin of the Universe. My main tasks are to develop and to maintain the EGSE – Electrical Ground Support Equipment during the Planck environmental test campaign.

The system engineering approach acquired during the master gave me the possibility to handle the complexity and the consistent amount of technical aspects involved in the relationship between ground segment and on-board systems.

The capability of working in a international environment is an extremely important aspect as well, as actually I am performing my tasks in close cooperation with a team constituted by people coming from several European countries and USA.

Alessandro Rapisarda

A.A. 2006/2007



My name is Alessandro Rapisarda, I am an Electronic Engineer. For me Master Seeds has been a key to the Space business. The lectures have given me the possibility to understand the problematic related to this peculiar engineering branch, giving me the possibility to integrate with the colleagues during my internship in Thales Alenia Space (just after the end of the master). In my opinion the best aspect of the Master is the team work experience. To be forced to leave and work together with other colleagues with different cultural background, but with the same target, in a very high stress environment is a real experience of life.

Cosimo Sinesi

A.A. 2006/2007



As a perfect complement to the academic study, the SEEDS master has provided a synthesis of what I was looking for: international team working and cooperation in a friendly environment, understanding of space industry procedures, insight in technical design and dialogue with industrial experts. The master has been an important step forward that allowed me to enter in the Space industry. At the moment, I'm employed in Sofiter System Engineering as consultant for Thales Alenia Space in Turin as CFD analysis support in pressurised modules for Space Infrastructure and Transportation.

Stewart Pelle

A.A. 2006/2007



The SEEDS master course has been a great opportunity to learn the ropes of Space Exploration and System Engineering from experienced engineers and to get involved in the space business. I gathered great experience by working in different sites across Europe, meeting specialists from the main Industries and Agencies and by facing the issues related to a project of high complexity such as the SEEDS Project Work.

After 6 month of Internship at Thales Alenia Space Italia I have been employed by Sofiter System Engineering as consultant system engineer at Thales Alenia Space Italia, working on architecture studies for space exploration and R&D program for advanced infrastructure for resource management.

Antonio Gabriele

A.A. 2005/2006



In the summer of 2005, after graduating in Aerospace Engineering at the University of Rome “La Sapienza”, I decided to join the International Master in Space Exploration and Development System. From my point of view the strong aspects of SEEDS are:

- The support of ESA and of the most important European space companies
- The system approach to space matters one can acquire
- The international experience one can gain in France and Germany having a look to the local way of approaching space matters

At present I am working in Taitus software company, which develops software for the European Space Agency mainly in the field of Earth Observation. In July I will start my experience at ESA-ESTEC in the Netherlands, where I have been selected as Young Graduate Trainee in the Future Mission Division, in the Science, Applications and Future Technologies Department.

Maurizio Belluco

A.A. 2005/2006



SEEDS master gave me the basics knowledge about Space Systems Engineering necessary to harness the most recent development lines emerging in the space strategies of both the European Union and the USA.

This experience enabled me to handle every kind of situation, to study problems and provide adequate solutions. During the working stage various by-products were also engendered, such as how to manage people, resources and time. Moving around Europe made me become aware of the realities of different work and the ways people from different countries confront the same subject. Now I'm employed for Sofiter System Engineering as Consultant at the "Functional Architecture and Environment Unit" of Thales Alenia Space Italia in Turin. I'm involved in a programme whose aims are the study of radiation effects on humans and devices and Planetary Protection issues in the perspective for deep space exploration.

Emanuele Monchieri

A.A. 2005/2006



SEEDS Master has represented for me the possibility to learn the best European know-how in the aerospace field and in system engineering. I worked in an international team developing an interesting and realistic space project from an high level point of view. Nowadays, after my Master SEEDS experience, I am working for Carlo Gavazzi Space in the Space Exploration Unit as System Engineer to support the technical office and I am participating in some proposal for new ESA projects.

Ciro Amodio

A.A. 2005/2006



The master has been a very good experience of life and work in an international environment. The project work activities in Toulouse, Bremen and Turin gave me the possibility to increase my personal background, learning a lot about the different approach to solve the problems and to work under pressure with efficiency in time management and prioritising tasks. The high level approach applied in the study of the final project taught me the capability to better understand and control the systems development in their overall view. Now I'm working for Sofiter System Engineering as consultant in Thales Alenia Space in Turin and I'm involved in the Columbus Control Centre of Oberpfaffenhofen as Flight Controller for the DMS and Comms Columbus subsystems.

Gianluca Cerrone

A.A. 2005/2006



SEEDS master has been a great opportunity to improve my personal and technical skills. I got the chance to work around Europe in an international environment, integrated in a team learning to look at the space projects from an high level point of view. Few time after SEEDS I have been employed by Sofiter System Engineering to work at Thales Alenia Space, Operations and Logistics unit in Torino. Now I am a Thales Alenia Space member in the European Industrial Operator Team to support International Space Station operations as Increment 16 Engineer.

Sergio Palumberi

A.A. 2005/2006



The SEEDS master has provided me the possibility to learn the basics of Space Systems Engineering, working in an international environment, interacting and cooperating closely with experts coming from the industries involved with the master course. The project work was carried out in three poles of European aerospace industry, with a concurrent engineering system level approach. This taught me how to manage and develop space programs and to understand the advantages and the problems arising from intensive team work. At present I'm employed in Sofiter System Engineering as Consultant at the "Functional Architecture and Environment Unit" of Thales Alenia Space Italia in Turin and I'm involved in both Physyco/Chemical and Biological Life Support programs.