

HIGHLIGHTS

Celebration of network PEGASUS

PEGASUS - Group of Aeronautics and Space universities - celebrates its twentieth anniversary in Bologna with all the representatives of the European network. At the event there were the most significant organizations operating in the field of university education. In the hall of the Academy of Sciences of Bologna, the 41st meeting of the Pegasus Network Council & Board Meeting was held on 11th and 12th October, a European university aeronautics and space partnership involving 25 university institutions representing 10 countries and 4 other institutions of Russia and Ukraine. For years PEGASUS has been working with institutional bodies to support and improve the quality of the services offered by the universities to the students, to enhance the experiences of young people, to bring the European aerospace industry closer to the universities and institutions of the Member States and the European Union. In 2010 the "PEGASUS-Industry Alliance" was established to improve a system of relations between the training community and the industrial aerospace industry, and in 2015, the "PEGASUS-Research Alliance", in which the PEGASUS network operate to facilitate the dialogue between partners, industry and European agencies on all research issues.





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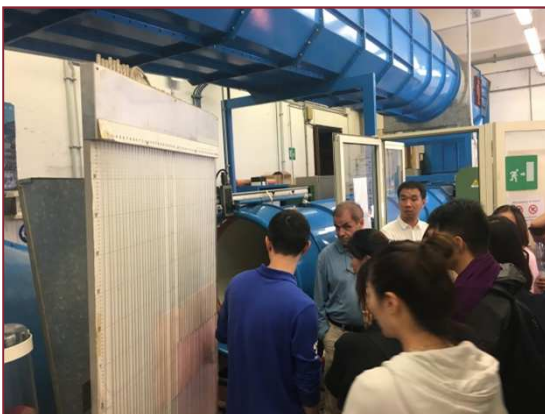
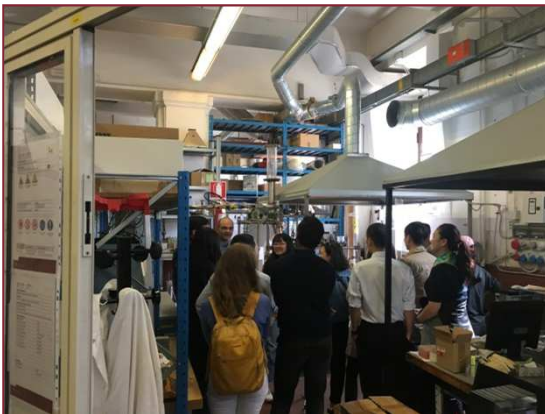
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Newsletter - October 2018



NEWS FROM DIMA

Tuesday 9 October DIMA hosted a delegation of 30 master students of industrial engineering from Beijing University, accompanied by their professors and in particular Full Professor Yan Fu Li, Director of Reliability & Risk Management Laboratory and of Institute of Quality and Reliability at Tsinghua University, Beijing, China www.ie.tsinghua.edu.cn/liyanfu/. After a seminar held by prof. Fedele, the delegation visited some laboratories of DIMA, including the laboratories of Prof. Borello, Prof. Broggiato (Gajarda), Prof. Marinozzi and Prof. Romano. Here some pictures of the day.





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Wednesday October 10, at 10:00 took place at the Military Airport "F. Baracca" - Aula Magna of Palazzo Guidoni in Rome, the conference called "Il Corpo degli Ingegneri e le nuove sfide tecnologiche: la sperimentazione e l'omologazione dei nuovi materiali militari" on the occasion of the 38th Anniversary of the Constitution of the Corps of Engineers of the Army. The Army Corps of Engineers includes graduate officers in a wide range of technical and scientific disciplines from four-year and five-year degree courses. The tasks of the Corps mainly concern the study, experimentation, acquisition and maintenance of weapons, equipment and materials of the Army as well as the study, experimentation, production and updating of analog and digital cartography, geodetic data and remote senses. During the conference, on the instructions of the Technical Commander, Magg. Gen. Paolo Giovannini, Ten. Gen. Castrataro, Director of the Terrestrial Armaments and Head of the Corps of Engineers of the Army invited prof. Gaudenzi, DIMA director, in the workshop for a lectio magistralis. There was also the presentation of prof. Broggiato and Sapienza Corse Racing Team.



DIMA Director also informed the department of the positive response of its mission to Washington, with a European delegation to DARPA. The Defense Advanced Research Projects Agency, known by the acronym DARPA, is a governmental agency of the US Department of Defense in charge of developing new technologies for military use. The group was also able to meet the representatives of ARPA-E, the government agency for advanced research projects in the energy field of the United States, charged with promoting and financing research and development of advanced technologies. The visit continued at I-ARPA, the Intelligence Advanced Research Projects Activity, an organization within the Directorate of National American Intelligence, charged with conducting research to overcome the difficult challenges in various areas such as data science, security, open source intelligence and HPC. Soon it will be possible to spread a range of funding opportunities and partnerships for scientific research, not only in strictly military.



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ECO RED – European quality Course system for Renewable Energy Development – is a Capacity Building project, funded by the EACEA – Education, Culture and Audiovisual Executive Agency - in the framework of ERASMUS+ programme. The project lasted 3 years from October 2015 to October 2018.

The main objective of the Project is to establish n. 5 new undergraduate courses on renewable energy, energy efficiency and sustainability in n. 3 Vietnamese Universities, based on an innovative approach that includes the respect of both European and Vietnamese quality standards, the promotion of students and professors mobility, and the internationalization of education and use of ICT.

The Consortium was composed by the best three universities in Vietnam and equally prestigious European Universities: Sapienza University of Rome (as Coordinator), University of Cyprus, Uniwersytet Jagiellonski – Poland, Hanoi University of Science and Technology – Vietnam, Can Tho University – Vietnam, Ho Chi Minh University – Vietnam. The partnership has been specifically set for working on beneficiary University's needs, for improving training capacities in Renewable Energy Sources (RES) and around the idea of complementary contributions in terms of: contents, methods, relationship with social context and labour market. DIMA of **Sapienza University of Rome**, as leading partner, was responsible for the coordination of the activities and for financial management in order to achieve results in a most cost effective manner, on the basis of partner's involvement in the project's activities and the real costs in the different countries.





NEWS FROM DIMA

Sapienza Gladiators at Moto Student 2018



Sapienza's Motorcycle Racing Team was elected best "MotoStudent 2018 Rookie Team" at the Motorland Aragón Race. The "Sapienza Gladiators Racing Team" is composed by Engineering students participating in this prestigious project and international championship. Currently in its fifth edition, MotoStudent is a competition reserved for university students from around the world who are called to develop a racing motorcycle and participate in a race at the MotorLand Aragon Race Circuit in Alcañiz (October 4-7). After a week of technical adjustments and trials, Sapienza's "Biga" motorcycle placed 9th in the race and was recognized as the best rookie team. The team returned to Italy beaming for their many months of hard work. The Sapienza team and the "Biga" motorcycle will soon participate in a presentation event in collaboration with the team sponsors.



**Sapienza Gladiators
Racing Team**

**Best Rookie Team
of Motostudent V edition**



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NEWS FROM DIMA

SASA Event 2018



The "Sapienza in Volo" Aerospace Day is an event organized by SASA - Sapienza Aerospace Student Association - in collaboration with the Aerospace Engineering Council, to celebrate together with students and professors the beginning of the academic year: an occasion to live together a pleasant journey full of passion for aeronautics and space. The event took place on October 11, at the Aeroclub Volere & Volare in Nettuno in Via delle Grugnole, Tre Cancelli. It was possible for the participants to know the activities organized by the association and how to take part (both as organizers and as users). The SST, SFT, STT project teams were also present. The "Rocket Division" was launched, the project started in early 2018 with the aim of creating a team dedicated to design and testing of rockets and launchers. Here a declaration of prof. Gaudenzi, DIMA director: "At the Aerospace Day of SASA more that 250 people attended. In the picture I am with Alessandro Pizzi director of the Aero Club Volere & Volare in Nettuno, close to Rome, where the event was held. Prof De Matteis also present in pictures while addressing students. Some students were able to experience flight, some of them with a plane built by students under the supervision of prof Graziani. A great day of passion for flight and aeronautics!"



OPPORTUNITIES FOR RESEARCH, NETWORKING AND INTERNATIONALIZATION

- **EDA** (European Defence Agency) has issued a call for applications from parties interested in participating in the second edition of the 'EDA Defence Innovation Prize' contest rewarding companies and research entities who come up with innovative and ground-breaking technologies, products, processes or services applicable in the defense domain. The winning idea/concept will be worth 30,000€. The prize winner will be selected by an evaluation committee composed of EDA staff and governmental experts. The prize will be handed over at an award ceremony organized by the EDA in Brussels. The prize winner will also have the opportunity to advertise their ideas in the EDA's bi-annual magazine (European Defence Matters), on the EDA' website and through the Agency's social media channels. Most importantly, the winner will have the possibility to meet partners for future collaborative projects within the EDA framework, potentially eligible for EU R&T co-funding. The deadline is fixed at 2 November 2018. Further information are available at: <https://www.eda.europa.eu/defence-innovation-prize-2nd-edition>



- **IoT for Industry:** The IoT4Industry project seeks to support EU growth and competitiveness through the development of a new cross-sectoral industrial value chain based on the integration and use of IoT and related components (Digital Security, Cloud Computing, Big Data, Artificial Intelligence...) into manufacturing tools, machines and robots, industrial processes, factories environment, through the cross-border collaboration between SMEs and other RDI actors of the ICT and advanced manufacturing sectors. IoT4industry CALL for collaborative projects is the H2020 initiative offering 4 million of Euros to SMEs able to imagine the integration and the use of IoT into manufacturing tools, machines and robots. This call addressed to SMEs, large companies and research centers based in European member states or Horizon 2020 associated countries working in the industrial/manufacturing or ICT/IoT domains. Further information are available at: <https://www.iiot4industry.eu/>

