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Highlights



Study and Merit Scholarships in Civil Engineering

Students of the Integrated Master Programme in Civil Engineering receive scholarships in the framework of a cooperation agreement signed between the UMinho and several companies in the area of Engineering, Civil Construction and Public Works

NASA awards researcher from CEB

Florida, USA, 24th October

Ana Júlia Cavaleiro, researcher of the research group BRIDGE - Bioresources, Bioremediation and Biorefinery from the Centre of Biological Engineering (CEB) of the EEUM, was awarded Best Oral Presentation (2nd place) at the 12th International Workshop on Environment and Alternative Energy. Organised by the National Aeronautics and Space Administration (NASA) and European partners - European Space Agency (ESA) and Center for Pollution Prevention Program (C3P) - the event was dedicated to "Increasing Space Mission Resiliency through Sustainability".



Ana Júlia presented the work entitled "Engineered bioremediation of deep hydrocarbon-contaminated sites", focused on the use of anaerobic microorganisms for the clean-up of soil and groundwater contaminated with aliphatic hydrocarbons, the main constituents of crude oil or petroleum products. Due to the relevance of this meeting and of the work presented, the Luso-American Development Foundation (FLAD) awarded Ana Júlia Cavaleiro with a travel grant.

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CEB's researchers granted Best Poster Award

Amsterdam, The Netherlands, 1st October

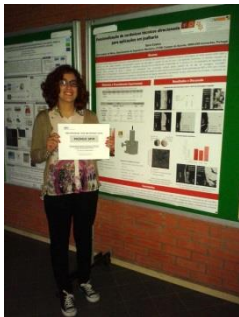
Ana Oliveira, Marta Leite, Luís Melo, Sílvio Santos and Joana Azeredo won the Best Poster Award in the 3rd International Conference on Responsible Use of Antibiotics in Animals. The presented work was entitled *Effect of the phage-derived endolysin PlyPI23 in controlling Paenibacillus larvae spread in apiaries - in vitro studies*. The project concerns the development of alternative solutions to antibiotics in controlling a disease which affects honeybees, the American foulbrood (AFB). Presently, the EU regulation does not allow treatment of honeybees with antibiotics and the trading of honey containing antibiotic residues. There are also losses related to burning infected beehives, generally imposed by the Directorate General of Veterinary. Therefore, new solutions must be proposed. In the paper presented, endolysins, proteins derived from bacteriophages (predator virus for bacteria, harmless for animals and the environment), are suggested as an interesting and efficient tool to control AFB. In the scope of this work, a new endolysin was produced and characterized and has shown high potential to control AFB, being stable at the beehive environment. In vivo studies, with bee larvae created in laboratory, show that this protein is not toxic to larvae.



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Graduate student from the EEUM receives Award of the Portuguese Society of Materials

Aveiro, Portugal, 5th November



Sara Castro, who recently graduated from the Integrated Master Programme in Materials Engineering of the UMinho, received the 1st Prize of the Portuguese Society of Materials (SPM) for her Masters dissertation “Functionalization of technical ceramics directed to jewellery application”, under the supervision of Professor Aníbal Guedes, Assistant Professor of the Department of Mechanical Engineering (DEM) at the EEUM. The award was granted during the 14th National Meeting of the College of Materials Engineering, organized by SPM at the University of Aveiro, Portugal, in the framework of the International Materials’ Day.

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Student of the EEUM finalist at the International Design Competition 2014

Maria Teresa Trindade, student of the 1st cycle degree in Fashion Design and Marketing of the EEUM, was a finalist of the International Design Competition 2014, one of the most important international competitions in this area. Portugal was thus represented in the competition for the first time. The competition was dedicated to the theme “Material World”. Maria Teresa Trindade developed a project, entitled “More than that”, which draws attention to the relevance of materialism in Catholic Church. The student created a tent for the homeless with a print pattern inspired on churches’ stain glass windows. With the project, Maria Teresa won the national finale, which took her to China to battle for the final prize. The aim of the competition is to award the best projects developed by design students from all over the world.



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MTAD project selected for Young International Contest of Contemporary Art

“Break The Ice”, a piece by Gisela Nunes, student of the Master Programme in Technology and Digital Art (MTAD) of the EEUM, was chosen for the YICCA 2014 selection of the Young International Contest of Contemporary Art. The project was presented at the YICCA Winner’s Exhibition Gallery, in Lugano, Switzerland, together with other eleven selected projects, during the month of November. “Break The Ice” is an interactive audio-visual installation, which breaks under the person who steps on it. People over a circular rug are detected in real-time by a Kinect, serving as input to an animation that creates cracks according to their positions and time over the rug.



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MTAD students awarded at 11th Advances in Computer Entertainment Technology Conference

Madeira, Portugal, 14th November



The project "Meet the Frumables – A Post-Digital Toy Orchestra", developed by Luís Fraga and António Coelho, students of the Master Programme in Technology and Digital Art (MTAD) at the EEUM, won the category “Best Creative Showcase” at the international conference ACE 2014 – Advances in Computer Entertainment. The project challenges people of all ages to become the conductor of a puppet orchestra. The students explore the contribution of music and humour in bringing people and machine together. For this purpose, three robots able to detect the user’s movements were developed.

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News

Study and Merit Scholarships in Civil Engineering

Largo do Paço, Braga, 3rd December

Six students of the Integrated Master Programme in Civil Engineering received their scholarships for the academic year 2014/2015, in the framework of the Study and Merit Scholarships in Civil Engineering Programme. The scholarship programme aims at granting scholarships to the best 15 students enrolled in the Integrated Master Programme in Civil Engineering in the academic years 2014/2015, 2015/2016 and 2016/2017. The scholarship is equivalent to a full year tuition fee and will be kept during every year of the integrated master programme (5 years) if the student maintains his academic records. The Study and Merit Scholarships have been created in the framework of a partnership between the UMinho and several companies in the area of Engineering, Civil Construction and Public Works aiming at attracting talented students for Civil Engineering programmes.



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