



Universidade do Minho 1974-2014



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Escola de Engenharia

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Highlights

Rector of the UMinho elected President of CRUP

Professor António M. Cunha will be the next President of the Council of Rectors of the Portuguese Universities



José Vieira elected President of FEANI

Professor from the Department of Civil Engineering of the EEUM is the first Portuguese to preside over the European Federation of National Engineering Associations



Rector of the UMinho elected President of CRUP

14th October

The Rector of the UMinho, Professor António Cunha, was elected President of the Council of Rectors of the Portuguese Universities (CRUP) (12 votes in favour, 2 blank votes). The inauguration ceremony is likely to take place on the 11th November.



From 1994 to 1998, a former Rector of the UMinho, Professor Sérgio Machado dos Santos, was also President of CRUP.

Professor António Cunha was already a member of the permanent committee of CRUP, created in 1979 to coordinate and represent Portuguese universities. Professor Cunha is Rector of the UMinho since 2009. With a Ph.D. in Polymer Science and Engineering, António Cunha is a researcher of the Institute for Polymers and Composites (IPC) of the EEUM. He was also Dean of the EEUM from 2005 to 2009.

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José Vieira elected President of FEANI

Gdansk, Poland, 10th October

José Vieira, Full Professor of the Department of Civil Engineering (DEC) of the EEUM, was unanimously elected as President of FEANI, the European Federation of National Engineering Associations. It is the first time a Portuguese Engineer takes over the Presidency of FEANI. The election took place during the General Assembly of the Federation.



FEANI, located in Brussels, is a federation of professional engineers that unites national engineering associations from 32 European countries. Thus, FEANI represents the interests of over 3,5 million professional engineers in Europe. The Federation is striving for a single voice for the engineering profession in Europe and wants to affirm and develop the professional identity of engineers. Through its activities and services, FEANI aims at facilitating the mutual recognition of engineering qualifications in Europe and to strengthen the position, role and responsibility of engineers in society.

José Manuel Pereira Vieira is also Vice-President of the Portuguese Board of Engineers (Ordem dos Engenheiros) since 2010.

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Paulo Flores nominated for international scientific committee

Huatulco, Mexico, 21^a to 24^a October



Paulo Flores, Full Professor of the Department of Mechanical Engineering (DEM) of the EEUM, was nominated for the international scientific committee “Multibody Dynamics and Mechatronics”, in the framework of the International Federation for the Promotion of Mechanism and Machine Science (IFTOMM). The committee counts on members from Italy, Mexico, Argentina, Spain, Chile, Austria, Finland, Brazil, Peru and Portugal. The main goal is to promote research and development on Multibody Dynamics and Mechatronics in Latin America. The nomination took place during the Federation’s annual meeting at the University of Huatulco, Mexico, held at the 5th International Symposium on Multibody Dynamics and Mechatronics (MUSME 2014).

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Meeting of the Board of Governors of IEEE’s Education Society

Madrid, Spain, 24^a October



Professor Rosa Vasconcelos, Vice-Dean of the EEUM and President of the Pedagogical Council of the School of Engineering, participated in the second annual meeting of the Board of Governors (BoG) of the IEEE’s Education Society (ES-IEEE). The meeting took place in Madrid, Spain, during the 44th Annual Frontiers in Education (FIE) Conference. The meeting agenda referred to the Strategic Plan of the IEEE’s Education Society and its development, the specific reports regarding the projects developed by each Committee and the new IEEE’s website. The election of the new President and other managing members of the Education Society for 2015-2016 also took place. The ES-IEEE meets twice a year - the next meeting will be held in Washington, in June 2015.

Professor Rosa Vasconcelos was elected to the Governing Board of the ES-IEEE in October 2013, thus representing the EEUM and the UMinho in one of the IEEE’s societies, which is one of the largest professional organizations in the world.

[Mais...](#)

National Competition for Access to Higher Education 2014/2015

By the end of the three-stage national competition for access to higher Education, the EEUM welcomed around 650 new students (enrolled students) for its 1st cycle and Integrated Master programmes, regarding daytime taught programmes. This number represents around 88% of the available vacancies at the School. Moreover, the number of students enrolled through different access regimens is also to be added to the aforementioned total.



For the academic year 2014/2015, 6 of the EEUM's programmes completed their available vacancies: the 1st cycle degrees in Fashion Design and Marketing and Informatics Engineering, and the Integrated Master Programmes in Industrial Engineering and Management, Mechanical Engineering, Information Systems Engineering and Management and Biomedical Engineering. The remaining programmes had their vacancies almost fully completed. As far as the Demand Satisfaction Index (ISP) is concerned, three of the 1st cycle and Integrated Master Programmes of the EEUM continued registering an ISP higher than 1.

IBM Portugal Scientific Award presented to HASLab Researcher

Tomar, 23rd September

Alexandre Madeira, researcher at the HASLab - High Assurance Software Laboratory, a research centre of the EEUM associated with INESC TEC, was publicly presented with the IBM Portugal Scientific Award 2013, which had been granted in June 2013 ([ENGINews nr 53](#)). The awarded research project was a result of Alexandre Almeida's doctoral thesis "Foundations and Techniques for Software Reconfigurability", presented at the UMinho in July 2013. The research was developed in the framework of the MAP-i doctoral programme, which involves the Universities of Minho, Aveiro and Porto. The thesis was supervised by Professors Luís Soares Barbosa (Department of Informatics of the EEUM), Manuel António Martins (Department of Mathematics of the UAveiro) and Razvan Diaconescu (Institute of Mathematics "Simion Stoilow", România).

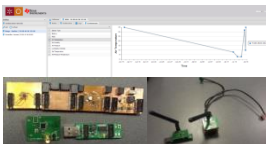


The award ceremony took place at the Instituto Politécnico de Tomar (IPT) and was presided over by the Minister of Education and Science, Nuno Crato. The 15.000 euros award was presented by the President of IBM Portugal, António Raposo Lima. The opening session of the ceremony, Innovation Summit 2014, was carried out by the President of the IPT, Eugénio Pina de Almeida, followed by an intervention of the Director of IBM Research Zurich, Matthias Kaiserswerth, with the theme "The scientist of the 21st Century".

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Students of EEUM granted TI's Innovation Challenge (TIIC) award

The project "GreenMon: WSNs for Greenhouses monitoring" was selected for the Top 20 of TI's Innovation Challenge (TIIC): European Analog Design Contest 2014, by Texas Instruments (TI). The project was developed by the students Henrique Abreu, Hugo Gomes and Nelson Cunha (from the Integrated Master Programme in Industrial Electronics and Computers Engineering) and Tiago Ribeiro Gomes (from the Doctoral Programme in Electronics and Computer Engineering), a researcher from the ESRG group at ALGORITMI Research Centre. The main goal of the project is to implement a solution for greenhouse monitoring. The project depends on TI's RF components to implement a Wireless Sensor Network (end devices, routers and coordinator).



The TIIC competition is promoted by the European University Programme, created by TI in 1994. The programme aims at facilitating the inclusion of world-class embedded processing and analogue technologies into electrical engineering research and course curricula. Each of the Top 20's teams wins a monetary award. The selected teams will go through a second evaluation round and the Top 4 will be invited to the TIIC 2014 Finale, which will take place at Electronica Fair, in Munich, Germany, on the 14th November.

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International Students at the EEUM

In the framework of the recently approved special national competition for Access and Enrolment of the International Students, created in March 2014, the University of Minho received the first international candidates which applied through these new access conditions.



For the academic year of 2014/2015, the EEUM received 15 students from Angola for its 1st cycle degree in Informatics Engineering (12) and Integrated Master Programmes in Industrial Electronics and Computers Engineering (1), Industrial Engineering and Management (1) and Engineering and Management of Information Systems (1).

For those interested in applying, the UMinho has created a special preparation course for international students. In 2014/2015, 20 candidates are participating in this course, from which 12 will be applying for education programmes at the EEUM.

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Visit of the Faculty of Engineering of University Eduardo Mondlane

Campus of Azurém, 23rd October

The EEUM received the visit of a delegation from the Faculty of Engineering of the University Eduardo Mondlane (UEM), in Mozambique, which included Professor Alberto Júlio Tsamba, Dean, and Professor António dos Santos Matos, Diretor of Patrimony Management and Institutional Development.



The visit took place in the framework of a UEM's broader mission to several Portuguese universities aiming at discussing cooperation opportunities related to faculty training programmes, curricular development, research and knowledge transfer activities and also institutional qualification regarding several resources.

The work meeting at the EEUM counted on the presence of the Vice-Reitor of the UMinho, Professor Rui Vieira de Castro, the Dean and Vice-Deans of the EEUM and several representatives of the School's research centres.

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