



Universidade do Minho
Escola de Engenharia



Universidade do Minho 1974-2014

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OSCARS OF BIOMATERIALS TO RUI L. REIS



Clemson Award for Contributions to Scientific Literature awarded to professor and researcher of the EEUM and Vice-Rector of the UMinho

40th Anniversary of the University of Minho

Largo do Paço, 17th February

The University of Minho celebrated its 40th Anniversary.

During his speech for the Solemn Ceremony, the Rector of the UMinho referred the history of the university, from the first day – 17th February 1974, paying a tribute to the main figures of the construction and development of the UMinho. The Rector also recalled the main facts and figures of the year 2013 and proposed the path to be followed in 2014 and beyond, referring to the challenges ahead.

During the ceremony, the title of Emeritus Professor was awarded to several retired full professors of the EEUM: Sérgio Machado dos Santos, António Guimarães Rodrigues, Júlio Barreiros Martins, Carlos Bernardo, Manuel Mota and Carlos Couto (the title of Emeritus Professor had been also awarded to João de Deus Pinheiro on the 17th October 2013).

The Research Merit Award was granted to Armando Machado, full professor of the School of Psychology and Coordinator of the Laboratory of Animal Learning and Behavior.

Among other awardees, the member of the EEUM's staff, Ana Paula Brites Martins (Department of Polymer Engineering - DEP) received the University's Medal for completing 30 years working at the UMinho.

The following students of the EEUM received several academic awards: Paulo Sérgio Cunha Vicente, from the Integrated Master Course in Industrial Electronics and Computer Engineering, was granted the Municipality of Guimarães Award (granted to the best student from all 1st cycle courses, taught in the Campus of Azurém, which concluded the course with the best final classification, equal to or higher than 16/20). The students Ana Cristina Oliveira Correia, António André Sousa Moreira, Joana Filipa Ferreira de Matos, Sara Cristina Soares Madeira and Sofia Emanuela Soares de Mendonça (all from the Integrated Master Course in Biomedical Engineering) were jointly granted the Caixa Geral de Depósitos Award (the CGD bank grants annually 11 merit scholarships to the students with the best final classification, one for each School or Institute of the UMinho).

The Doctoral degree diplomas were also presented to some of the EEUM's students: Alexandra Maria Faria Baldaque Marinho Fernandes (Information Systems and Technologies), Ângelo Gonçalo Araújo da Silva Costa (Biomedical Engineering), Carlos Filipe da Silva Portela (Information Systems and Technologies), Nuno Filipe Gomes Cardoso (Electronics and Computer Engineering), Paulo Alexandre da Costa Ferreira Brandão Pereira (Biomedical Engineering) and Rui Pedro Leitão da Silva Rocha (Leaders for Technical Industries).



As Equipas Reitorais da Universidade do Minho



Images: UMDicas/SASUM

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Rui Reis granted the Clemson Award by the Society For Biomaterials

Denver, USA, April 2014

The American Society for Biomaterials (SFB), world leader in this research area, awarded the Clemson Award for Contributions to the Literature to Professor Rui L. Reis, full Professor of the Department of Polymer Engineering of the EEUM, Director of the 3B's Research Group (ICVS/3B's Associate Laboratory) and Vice-Rector for Research of the UMinho.

The Clemson Awards are considered the "Oscars" of Biomaterials and include 3 categories: basic science, applied science and contributions to scientific literature. The latter is granted to excellence contributions to scientific literature in the domain of biomaterials science and technology, through scientific papers, paper reviews, international press books, patents, guest lectures and plenary sessions in top conferences and other relevant contributions to this scientific domain. The awardee must be referenced and cited by its peers when publishing their own work.

Rui L. Reis will receive the award in April 2014, at the annual conference of SFB, in Denver (USA), during which he will also present a plenary session.

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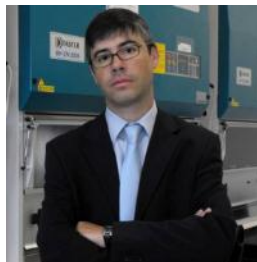
Students of the EEUM participate in the Bright Challenge

Lisbon, 24th January

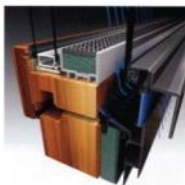
For the first time, a team of EEUM's students participated in the Bright Challenge – The Project Management Games, a game accredited by the PMI – Project Management Institute and organised by Bright Partners. The team counted on the support of the Master Course in Industrial Engineering (branch Innovation and Project Evaluation and Management) and guidance by Professor Anabela Tereso, from the Production and Systems Department (DPS) of the EEUM. The students Ernesto Silva, Ana Assunção (both students of the Master Course in Systems Engineering), Tiago Martins (Master Course in Informatics Engineering) and Filipe Oliveira (1st Cycle Degree in Informatics Engineering) reached the 6th place in the global ranking, 5th place in planning and 2nd place in execution.

Much more than a simple game, the Bright Challenge is a training opportunity for project managers in a competitive and realistic environment.

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Researchers of the EEUM create innovative window



Researchers from Denmark, Germany, Ireland and Portugal developed a smart window which will allow an energy saving rate of around 20%. Created in the framework of the CLIMAWIN research project, of which José Mendes and Jorge Cabral (both professors of the Department of Industrial Electronics (DEI) and researchers of the ALGORITMI research centre of the EEUM) are team members, the window is appropriate for both residential and commercial buildings. Apart from avoiding heat losses, the window includes an automatic cooling function which is appropriate for warm weather, reducing the need to use air conditioning.

One of the largest innovations of CLIMAWIN is the constant monitoring of air quality in the environment. Sensors which detect carbon dioxide are included in the window. As soon as gas saturation reaches a predetermined level, the window allows air exchange with the exterior, letting more oxygen in.

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CEB goes beyond the milestone of 3000 publications registered at RepositóriUM

The Centre of Biological Engineering (CEB) of the EEUM has recently passed the milestone of 3.000 research papers deposited in the institutional repository of the University of Minho. The RepositóriUM, with a total of 25.000 deposits, aims at storing, preserving, disseminating and granting access to the intellectual production of the University of Minho in digital format. It also intends to maximize the visibility, use and impact of the UMinho's research through open access. The CEB was one of the pioneer communities during the launch of the RepositóriUM, 10 years ago, and it is now its largest community, with open access to 93% of its deposited publications. The search for the CEB's publications and their visibility are confirmed by the 1 million items downloaded, with an average of 360 downloads per document. On its 10th anniversary, in November 2013, the RepositóriUM announced a record of more than 10 million downloads.



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Asian Hung Hing Printing Group uses technology from engageLab

The Hung Hing Printing Group, from Hong Kong, one of the largest and most renowned printing groups in Asia, signed an agreement with the UMinho regarding the exclusive use of the Bridging Book technology on its products.



Bridging Book is a technology developed by the engageLab laboratory of the UMinho which allows the combination of printed books with mobile devices, bridging the gap between a printed book and an electronic book. The technology consists of a printed book with special characteristics, which works together with a tablet or smartphone. By leafing through the pages of the printed book, the user synchronously views and interacts with multimedia content in the mobile devices' screen. No batteries or connection cables are required.

The engageLab, located at the Centre for Computer Graphics (CCG) of the UMinho, is an ad-hoc research group of the ALGORITMI research centre of the EEUM.

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UMinho's start-up participates in European project to fight parasite infections

Lisbon, 10th February

SilicoLife, a young biotechnological company of the UMinho, participates in a European Project which aims at finding tools to fight the resistance of parasites and infections which they cause. The project, named GlycoPar, is led by the Institute of Molecular Medicine (IMM) and involves 14 scientific and industrial institutions from 8 countries. The researcher coordinator, João Rodrigues, refers that "there is an urgent need to fight parasite infections which particularly affect many developing countries". The presence of SilicoLife in the consortium is remarkable when considering the company's recent history. SilicoLife creates models of microorganisms and advance algorithms in order to maximize the production of industrially relevant compounds, boosting the creation of optimized strains and exploring new metabolic pathways.



SilicoLife was created in 2010 by graduates in Bioinformatics and UMinho's professors and counts on Professor Miguel Rocha, from the Department of Informatics (DI), and Professor Isabel Rocha, from the Department of Biological Engineering (DEB) of the EEUM, as management team members.

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Internationalization

Delegation from ISPTec Angola visits EEUM

Campus of Azurém, 5th to 7th February

The EEUM received a visit from a delegation of the ISPTec - *Instituto Superior Politécnico de Tecnologias e Ciências de Angola* (Polytechnic Institute of Technologies and Sciences of Angola), constituted by Professor Feliciano Cangue and Professor Danilson Conceição.



Following an initial visit in 2013, the EEUM hosted a meeting aiming at strengthening the established cooperation, namely regarding an effective collaboration in education and research projects in industrial electronics, mechanics, civil and industrial engineering.

The visit was concluded with the signature of a formal cooperation agreement between the UMinho and the ISPTec by the Rector of the UMinho, Professor António M. Cunha.

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Applications MIT Portugal Program

Application submission dates:

- Doctoral Programs: 15th April 2014, 17:00h, GMT
- Advanced Courses Bioengineering Systems and Technology Management Enterprise: 15th May 2014, 17:00h, GMT

More information: www.mitportugal.org



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