

COLABSQUARE

UT Austin | Portugal INTERNATIONAL COLLABORATORY FOR EMERGING TECHNOLOGIES, CoLAB



■ Welcome Note from CoLab@Portugal General Director

The UT Austin-Portugal Collaboratory for Emerging Technologies (CoLab) had a successful 2008. The first graduate students enrolled doctoral programs. There were a number of successful seminars, workshops, institutes and festivals mostly in Digital Media, but also in Mathematics and Advanced Computing. Calls for collaborative research projects involving Portuguese universities, University of Texas and industrial affiliates were issued and they had a great response. CoLab also received a significant number of applications for doctoral and post-doctoral scholarships for the incoming year. The Program was a major partner of the first Zon Multimedia Awards that promoted the development of innovative software applications, multimedia products and short films.

In 2009, CoLab hopes to have more than 60 Master and 30 PhD students enrolled in the various programs. It will finance 10 research projects. CoLab also intends to promote 10 internships for Portuguese students and professionals in Austin based companies. The Program intends to further develop the Summer Institute, Future Places and other courses, seminars, workshops and conferences that are providing a new cultural and scientific excitement in Portuguese Universities. The development of a video based portal, including also events associated with the programs MIT and CMU-Portugal, will hopefully expand that excitement to a broader national and even international public.

At the UT Austin-Portugal Program we are proud to be part of this joint effort. We really hope, that CoLab will reach in 2009 all its goals.

A Happy New Year!

António Câmara

COLAB News Center

Rosental Alves (UT Austin) delivers a presentation at the International Online Journalism Congress in Porto, Portugal

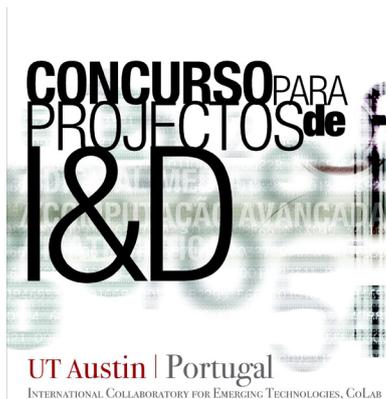
Rosental Alves, a professor at UT Austin, made a presentation at the International Online Journalism Congress, which took place at the University of Porto on December 11th and 12th of 2008.

Rosental spoke about our changing society. For Alves, the traditional media are losing power and control and we can see three main changes: the active networks keep going and exist together with more passive audiences; the multimedia means move forward and exist together with monomedia means and there is a rupture of the traditional periodicity of the information delivery.

Journalism, according to Rosental Alves, is no longer the journalist's monopoly "whether we like it or not, even with the professors, students and journalists' protests". This happens because before to be a journalist you would have to have a traditional media but nowadays this is no longer the case. Journalism has opened itself to the public's participation, it became an open service.

This "digital revolution", says Alves, is "the reconstruction that doesn't respect any barriers".

UT Austin | Portugal Program announces R&D approved Projects



The UT Austin | Portugal board announces the results for the 2008 call for Research & Development Projects in the areas of Digital Media, Mathematics and Advanced Computing.

In Digital Media, the accepted projects were **UTAustin/CD/0052/2008**, "Kinetic Controller Driven Adaptive and Dynamic

Music Composition Systems" and **UTAustin/CD/0016/2008**, "Digital Inclusion and Participation. Comparing the Trajectories of Digital Media Use by Majority and Disadvantaged Groups in Portugal and the USA".

In Mathematics the panel accepted the following projects: **UTAustin/MAT/0009/2008**, "Aberrant Crypt Foci and Human Colorectal Polyps: Mathematical Modeling and Endoscopic Image Processing", **UTAustin/MAT/0035/2008**, "Analysis of Nonlinear Partial Differential Equations", **UTAustin/MAT/0057/2008**, "Applied Mathematics: From Dynamical Systems to Cryptography" and **UTAustin/MAT/0066/2008**, "Reaction-Diffusion in Porous Media".

Finally, in Advanced Computing the program accepted two projects: **UTAustin/CA/0047/2008**, "Cardiovascular Imaging Modeling and Simulation – SIMCARD" and **UTAustin/CA/0056/2008**, "Parallel Programming Refinements for Irregular Applications".

UT Austin | Portugal Program participated at Futurália 2008

CoLab was represented at the fair Futurália 2008, an event for students of all grades that took place at Pavilion 3 of FIL, in Lisbon, between December 10th and 13th, 2008. The Program's booth was visited by many interested people that inquired about the different aspects of the program and the academic areas it involved.

Futurália 2008, a fair for youth, qualification and employment, is the biggest education related event being organized in Portugal and it presented a unique opportunity for students to directly contact with most of the country's education institutions and programs, such as the UT Austin | Portugal Program.



All visitors from Visa Waiver countries are required to obtain an ESTA authorization to travel to the US

Starting on January 12th, 2009 all travelers from the Visa Waiver countries (such as Portugal) need to obtain an Electronic System for Travel Authorization (ESTA) prior to travel by air or sea to the United States under the Visa Waiver Program.

The travelers that don't get their ESTA approval after January 12th may be denied boarding, can experience some delays processing or be denied admission in the US. All passengers are advised to obtain their ESTA approval early because this will accelerate their inspection process once they arrive in the US.

The Department of Homeland Security recommends that an ESTA approval be obtained as a Visa Waiver traveler begins to plan a trip to the United States and no later than 72 hours before departure.

To apply for authorization to travel to the United States under the Visa Waiver Program, travelers will log on to the ESTA web-based system <https://esta.cbp.dhs.gov/> and complete an application online providing the biographical and eligibility information currently required on the paper I-94W form. The ESTA web-based system will be available for voluntary applications after Aug. 1, 2008.

ZON Award for Creativity in Multimedia: Nuno Rocha wins big prize of the first edition



The winner Nuno Rocha with his awards

The ZON award for Creativity in Multimedia, co-financed by CoLab and the Foundation for Science and Technology (FCT) was delivered on December 15th at the Centro de Congressos in Estoril.

This award is financed by ZON Multimedia, and co-financed by FCT through the concession of research grants and CoLab who promotes the integration of the winners in a research project within the program.

Nuno Rocha was the overall winner of the first edition of the multimedia award with the short film "3x3". He also took the first prize in the category of short films. The company Comm Together, lda, won the first prize in the Application category with the "Astrolab 0.1" application and there were two winners in the multimedia contents category: the project "Laboratórios de Implementação para Medição" from a research team of the School of Engineering of the University of Porto and "surfertoday.com" by Luís Madureira Pinto.



Nuno Rocha's short feature "3x3"

WHAT'S HAPPENING IN AUSTIN?

Luis Caffarelli Receives Steele Prize, the Highest Distinction in Mathematics

Professor Luis Caffarelli, Mathematics Director of CoLab@Austin, received the 2009 Leroy P. Steele Prize for Lifetime Achievement from the American Mathematical Society (AMS). This award is one of the highest distinctions in mathematics.

The award citation describes Luis Caffarelli as "one of the world's greatest mathematicians studying nonlinear partial differential equations." He is considered the greatest authority on "regularity theory."

Luis Caffarelli is a member of the National Academy of Sciences and American Academy of Arts and Sciences, and has won the AMS Bocher Prize and Rolf Schock Prize of the Swedish Academy of Science.

THE UTEN CORNER

SIX PORTUGUESE GUESTS VISIT AUSTIN FOR TWO-WEEK INTERNSHIP

From December 8 to 19, UTEN@Austin hosted six guests representing technology transfer offices, incubators and intellectual property units from Portugal. Our guests visited Austin for a two-week technology transfer internship.

Visiting Austin were:

Alexandre Alves, Coordinator, Intellectual Property Unit, Foundation Luis de Molina / University of Évora

Pedro Coelho, Coordinator of R&D and Innovation, Faculty of Engineering, University of Porto

Carlos Freire, Incubator Manager, Taguspark

Telmo Machado Vilela, Advisor to the Board, INPI

Filipe Neves, Business Incubator Projects Manager, IPN Incubator

José Paulo Rainho, Coordinator, Technology Transfer Office, University of Aveiro



UTEN hosts and guests at the Austin Technology Incubator. L to R: Alexandre Alves, José Paulo Rainho (front), Telmo Vilela (back), Pedro Coelho, Carlos Freire, Heath Naquin, David Warwick (back), Filipe Neves (front), Cliff Zintgraff, Tom Gardner

The goal of the internship was to further the creation of a sustainable technology transfer system in Portugal through the training of staff, and through creation of networks inside Portugal and between Portugal and the U.S. UTEN@Austin hosted numerous activities at the IC2 Institute, the University of Texas, and at incubators and organizations in San Antonio and Dallas. In Austin, our guests attended training on market-based entrepreneurship, learned about government-sponsored and private funding opportunities and models, visited with technology transfer staff from UT's Office of Technology Commercialization, and visited with entrepreneurs, venture capitalists, business angels, IP lawyers, and Professors from the IC2 Institute's Master's program in Technology Commercialization. In San Antonio, the team visited a regional technology accelerator, an innovation institute at UT San Antonio, a regional technology transfer office connected to the UT Health Science Center in San Antonio, and a private biotechnology incubator. In Dallas, the Institute for Innovation and Entrepreneurship (IIE) discussed their commercialization model and presented commercialization cases. Between UT Austin, UT San Antonio, the UT Health Science Center at San Antonio, and UT Dallas, almost \$800 million in research is performed annually.



Guests and Hosts at Work at the Austin Technology Incubator

Much of our guests' time in Austin was spent at the Austin Technology Incubator (ATI). Founded in 1989, ATI companies have raised more than \$700 million in capital, generated more than \$1.5 billion in revenue and created more than 10,000 jobs. During their time at ATI, each intern worked on business development for a technology brought from their office or a related institution in Portugal. Efforts focused on establishing contacts in the market and uncovering market perspectives on their technologies that will drive commercialization efforts and strategy. Numerous market contacts were made that will be useful as development of these technologies moves forward.

The results of this internship will serve as the basis for an ongoing series of internships in the U.S. Future internships may be longer in length and will continue to focus on technology transfer, technology licensing, networking, and market-based entrepreneurship, using real commercialization efforts as a mechanism for learning. The next internship is scheduled for March of 2009.

The visit was organized by Dr. David Gibson, Associate Director, IC2 Institute, and Director, UTEN@Austin; Cliff Zintgraff, UTEN Program Manager, UTEN@Austin, and Eli Mercer, UTEN Training Manager, UTEN@Austin. UTEN@Austin would like to thank the following people for their contribution to the visit: Dr. Jim Jarrett, Researcher, IC2 Institute; Dr. Kate Mackie, Professor of Marketing, McCombs School of Business, UT Austin; Ryan Confer, State of Texas Emerging Technology Fund; Dr Luis Medina, TechBA Incubator (Mexican Incubator in IC2); Dr. David Smith, HBMG, Inc.; Rick Friedman, Office of Technology Commercialization, UT Austin; Dr. Darius Mahdjoubi, Researcher, UT Austin; Dr. Mary Pat Moyer and Jim Janowiak, InCell Corporation and TEKSA Innovations (Biotech incubator); Jim Poage, CEO, San Antonio Technology Accelerator Initiative; Dr. Ken Porter, Associate VP and Executive Director, South Texas Technology Management; Dr. Cory Hallum, Associate VP and Director, Center for Innovation and Technology Entrepreneurship, UT San Antonio; Kelly Terry, International Licensing Consultant; Dr. Joe Pickens, Director, Institute for Innovation and Technology Entrepreneurship, UT Dallas; Becky Stroughton, Technology Licensing Office, UT Dallas; Don Hicks, IC2 Fellow and UT Dallas; Laura Kilcrease, IC2 Fellow and Triton Ventures; Jamie Rhodes, CEO, Perceptive Sciences; Meg Wilson, IC2 Institute, and Prentiss Riddle, IC2 Institute and CoLab@Austin.

■ UTEN Continues Training Through Business Development

Now ongoing for 18 months, UTEN@Austin continues to assist entrepreneurs in analyzing market potential and assessing opportunities in the U.S. market. By the end of January 2009, UTEN@Austin will have performed "RapidScreens" on 39 technologies, and "MarketLooks" on 10 technologies. A RapidScreen is an initial 4 to 8 hour assessment designed to quickly assess readiness for continued commercialization efforts. A MarketLook is a 40-60 hour assessment that uncovers market perceptions of technologies/products and leads to market contacts and go-to-market strategies. As a result of prior RapidScreens and MarketLooks, UTEN is assisting three companies in assessing a U.S. presence for their companies.

For more information about UTEN business development / commercialization case efforts, visit www.techportugal.com. If you are interested in having the UTEN program works on your technology/product, email us at info@techportugal.com. Make sure you include the name of the technology transfer office that is working with you to assess, license or otherwise support

■ ONGOING EDUCATIONAL OPPORTUNITIES

Digital Media:

INTERNSHIP OPPORTUNITIES IN AUSTIN COMPANIES

The internship program has officially begun. Those interested in internships must complete the application process which is described on the internship web page at <http://colab.ic2.utexas.edu/dm/internships/>. Applications may be submitted at any time, but the minimum time for processing and placement is 4 months, so those interested must plan ahead.

Internships will last a minimum of 6 weeks, and interns will be placed at digital media companies in Austin. During their time in Austin, interns will not only have the opportunity to learn about the digital media industry through their internship assignment, but will also be able to participate in professionalization and leadership training with University of Texas students enrolled in the Digital Media Leadership Program.

Useful links

www.utaustinportugal.org

www.fct.mctes.pt

www.utexas.edu

www.ic2.org

www.ati.utexas.edu

www.austin-chamber.org

<http://colab.ic2.utexas.edu/dm/>

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