



■ Welcome note from Mathematics Directors

The UT Austin-Portugal CoLab Mathematics program has been particularly active in developing education and research initiatives in mathematics in collaboration with UT Austin.

The PhD program is now attracting students both from Portugal and abroad. Undergraduate students are regularly participating in the Research Training Group (RTG) in Applied and Computational Mathematics at Austin. Research projects are now starting, in a wide range of topics including applications to medicine, partial differential equations, dynamical systems, and cryptography. Another Ph.D. student, Hassan Najafi Alishah, will continue his studies at UT in the Spring semester, after being at the Instituto Superior Técnico for his first year and a half.

This summer was particularly active with several events in Portugal: the ICTI-CoLab Post-Doctoral Academy in Mathematics, and the Summer School and Workshop on Kinetics and Statistical Methods for Complex Particle Systems. In collaboration with CIM, Luis Caffarelli was the first speaker at the Pedro Nunes lectures series which were held in Porto and Coimbra in July.

A new research call (joint with the CMU|Portugal Mathematics Program) in selected areas of application of mathematics recently close. We believe this call will be critical to the developing productive collaborations with the researchers from CoLab on both sides of the Atlantic.

Next summer, CoLab will organize in Coimbra, a Summer School (June 15-19, 2010) and Workshop (June 21-23, 2010) on Imaging Sciences and Medical Application. This event focuses on a selected range of interdisciplinary topics handled from both a mathematical and an engineering applications point of view. In addition to mathematicians and engineers, the target audience includes graduate and PhD students with a research interest in problems related to Mathematics, Medical Imaging, Biomechanics, Biology, and Bioengineering.

The UT Austin | Portugal mathematics program has gained a lot of momentum in the first three years having achieved its main goals. We have built a successful relationship with UTAustin both in terms of Education, through the PhD program and undergraduate RTG program, as well as in terms of research, namely through the research projects, faculty visits and post-doctoral program.

Diogo Gomes

Portugal

Luis Caffarelli

UT-Austin

COLAB News Center

FUTURE PLACES '09: A RETROSPECTIVE



The second annual Future Places digital media festival took place from October 13-17 in Porto, bringing participants from around the world and hosting a number of workshops, concerts and parties. Curated by Heitor Alvelos and Karen Gustafson, the festival addressed a wide range of aspects of digital media, all converging on a key question: how can digital media contribute to the development and enhancement of local cultures? Workshops focused on computer vision, interface design for mobile devices, location aware narrative production, and mobile audio recording and performance. A concert by the sound artist Marc Behrens opened the festival at Porto's world-renowned Casa da Música, where Behrens manipulated his field recordings of the Amazon rainforest to create an engrossing virtual sonic environment.

The festival included a worldwide competition of media work by fifteen finalists, exhibited at Maus Hábitos, a popular cultural space and club. The jury was comprised of Hugh Forrest, director of Austin's famous South by Southwest Interactive festival; Cristina Sá, teacher and researcher at Universidade Católica Portuguesa and Universidade Nova de Lisboa; and University of Texas documentarian Karen Kocher.

First prize was awarded to Brian Cohen and his team at TRAX Arts, an arts company based in Melbourne, Australia. Cohen's team presented "Outhouse", a participatory installation resembling a semi-private confessional booth.

Second prize went to "Oporto-Brooklyn Bridge", an interactive sound installation created by New York-based artists Naomi Kaly and Alyssa Casey. Finally, honorable mentions went to Hye Yeon Nam from Georgia Institute of Technology, for her video on cultural assimilation, "Wonderland," and André Carrilho and Nuno Correia from Video Jack, for their dynamic sound and video performance "Master and Margarita."

Additionally, a full schedule of diverse scholarly, social and creative activities included a day of academic papers at University of Porto's Reitoria, an exclusive radio station broadcasting 24/7, a concert of experimental music by student composers at Casa da Música, sessions dedicated to research in progress, a sound seminar by Touch headmaster Jon Wozencroft, and a semi-improvised performance at STOP, an underground cooperative music venue and home to over 100 Porto bands.

Close to twenty universities were present among the various activities. Future Places 2008 proceedings were launched as well as the 7" single recorded at STOP at last year's edition. Future Places fostered a great deal of social networking as artists and scholars from around the world reinforced existing relationships and forged new ties, contributing to the festival's great success.

More information can be accessed at futureplaces.org.

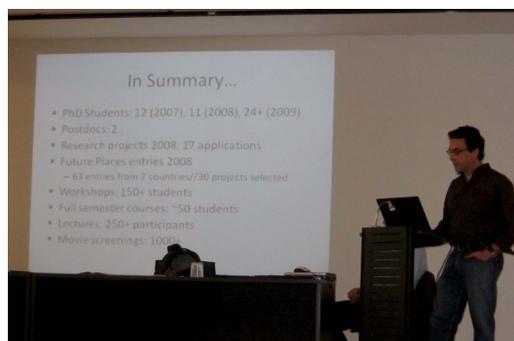


UT AUSTIN | PORTUGAL Program Students get together at FCT/UNL for Orientation Session

The 2009 Orientation Session for the UT Austin|Portugal Program students happened on October 28th at the Library auditorium of the FCT/UNL in Monte da Caparica.

With a large turnout of new and older students, the area Directors made a small update of the different areas of the Program followed by each of the students making a brief presentation of their future research and their goals and expected outcomes of their PhDs.

The students also had the opportunity to take a first look at their new space: Colab's Media Ground. The Media Ground will be open soon to all the Program's students so they can use it in their research and projects. It is located in building VII of the FCT/UNL, adjacent to the Colab office.



■ Sharon Strover and Luís Francisco-Revilla (UT Austin) took Proposal Writing Workshops to Lisbon and Porto



Drs. Sharon Strover (College of Communication) and Luis Francisco-Revilla (School of Information) from the University of Texas gave two proposal writing workshops in Portugal. The events took place on November 2 and 3.

They covered the basic structure of a proposal, and addressed how to write research questions, the structure of a proposal, and covered issues of design, proof, and evidence in a proposal.

The workshops were fully booked with students and professionals from all over the country. It was a mix of interested people from Digital Media and Advanced Computing, which created an interesting dynamic to the workshop.

The 2009 Projects' call is open until December 11th 2009, for more information please visit <http://www.utatxportugal.org/Events.aspx?event=252>.

■ SUMMER SCHOOL AND WORKSHOP on Imaging Sciences and Medical Applications at U.Coimbra in June 2010

The UT Austin | Portugal program is organizing a Summer School and Workshop on Imaging Sciences and Medical Applications (Mathematics). This event will take place at the DM-FCTUC (Department of Mathematics of the Faculty of Sciences and Technology of the University of Coimbra), in Coimbra, Portugal, from the 15th to the 23rd of June 15-23, 2010.

The event will focus on a selected range of interdisciplinary topics handled from both a mathematical and an engineering applications point of view. The target audience is, besides mathematicians and engineers, graduate and PhD students interested in doing research on problems related to Mathematics, Medical Imaging, Biomechanics, Biology, and Bioengineering.

The Summer School, in June 15-19, 2010, will feature five short courses, on image segmentation, image registration, image inpainting, image denoising and deblurring, and image reconstruction. Each course consists of five one hour lectures. The Workshop, in June 21-23, 2010, has twelve forty minute plenary sessions. Some contributed papers will be selected for fifteen minute presentations and others to be on display in a poster session.

Attendance for the Summer School and Workshop will be limited to 60 participants. If you wish to register or submit an abstract please visit the event's official website at <http://www.mat.uc.pt/~isma2010/>.

■ INTERN CATARINA BARATA documenting Austin



Currently, Catarina Barata is interning in Austin under Nancy Schiesari of the University of Texas at Austin Documentary Center. Barata is working with footage from Schiesari's documentary, *Tattooed Under Fire*, to produce a short piece focused on women soldiers for the documentary's web site. She is also working with a number of film students at the University of Texas on production projects, serving as everything from editor to production assistant to extra to camera assistant. While in Austin, Barata is producing a short piece of her own about her experience in the United States.

■ UNIVERSITY OF TEXAS students report back on U.Frame

This summer, five film production students from the University of Texas at Austin participated in the U.Frame Film Festival, where they had the opportunity to show their own films and view works from other filmmakers from Portugal, Spain, and elsewhere. They reported back that the quality of films showcased was exceptional. In particular, the films displayed an impressive diversity of styles. This is the second year that students from the University of Texas had the opportunity to attend U.Frame.

THE UTEN CORNER S&T COMMERCIALISATION

UTEN | Portugal workshop#6

"Experiencing Technology Transfer: collaborating with Carnegie Mellon" 8-10 November, at Instituto Pedro Nunes, Coimbra

UTEN Portugal
University Technology Enterprise Network

Information and Communication Technologies Institute
Carnegie Mellon | PORTUGAL
AN INTERNATIONAL PARTNERSHIP

UTEN | Portugal's workshop#6 is a collaborative effort between the UTEN Portugal, the Carnegie Mellon University and the Carnegie Mellon | Portugal Partnership. Entitled "Experiencing Technology Transfer: collaborating with Carnegie Mellon" the workshop featured three experts in key areas of Technology Transfer from the Carnegie Mellon University: Tara Branstad (Associate Director of CTTEC- Center for Technology Transfer and Enterprise Creation), Timothy P. McNulty (Associate Vice President for Government Relations) and Mary Beth Shaw (Assistant General Counsel, Office of General Counsel). PT Inovação, the Industrial Affiliate of the Carnegie Mellon | Portugal Partnership, was also represented in the workshop by José Marcelino Pousa (Director of Planning Control and Resources) and Isilda Braga da Costa (Legal adviser), who explained the importance of Tech Transfer to Portugal Telecom in the morning session of day one. The workshop lasted two days. During the first day, the



Carnegie Mellon experts presented the university's overall approach to regional economic development and provided an overview of the university's TTO, Office of General Counsel, and Office of Government Relations and the interface between those offices and other departments within the university. Following the general sessions, in-depth presentations focused on software licensing issues, start-up models, on TTO models, skill requirements and metrics to mea-

sure success.

The second day of the workshop was limited to a select group of participants from TTOs within Portugal. It consisted of a presentation on Carnegie Mellon's standard license and spin-off license templates and a discussion of common licensing issues and concerns. In addition, the experts guided the participants through case studies illustrating key points of deal valuation, structure and license negotiation.

For more information visit: www.utenportugal.org or www.cmuportugal.org.

UTEN/TECMINHO In-Situ TTO Engagement

From October 2-9th, UTEN Asst. Program Manager Heath Naquin delivered a pilot in-situ technology transfer office engagement onsite at the Universidade do Minho's TecMinho Office in Guimaraes. This engagement was focused on completing the knowledge transfer related to technology management, validation and commercialization for TecMinho staff who have participated in previous UTEN internships and training sessions based in Austin, TX. The in-situ, co-location of UTEN staff directly within the TecMinho technology transfer ecosystem was designed to aid TecMinho staff in the final implementation of strategies and techniques developed as a part of previous UTEN training and internships, while taking into account the unique reality of the individual technology transfer office.

As a part of this in-situ engagement, individual staff members and departments within TecMinho were able to share current issues, initiatives and procedures currently in place within TecMinho directly with senior UTEN staff under the guidance of Marta Catarino.

After developing a up to date picture of current TecMinho activities, Mr. Naquin was able to work closely with TecMinho technology assessment staff Pedro Silva and others to develop the tools, forms and procedures necessary for a new technology intake process specific to the TecMinho office. This new office specific process, including materials and procedures developed jointly by UTEN and TecMinho staff, is currently being used to intake new technologies into the TecMinho office.

In addition, Mr. Naquin was able to work with Ms. Catarino and select staff on a variety of other topics including project management tools and techniques, Web 2.0 applications for TTO office management and future training opportunities. UTEN staff was also able to meet with TecMinho based spin off iSurgical to provide limited coaching and assistance related to future direction of the enterprise.

A special thanks to Marta Catarino and all of the TecMinho staff for making this pilot in-situ engagement a success.



UTEN INTERNS STORIES: Ana Rita Remígio



Ana Rita Remígio, Technology Transfer and Licensing Officer at UATEC, Technology Transfer Unit of the University of Aveiro, conducted her Internship from September to the end of October at South Texas Technology Management – STTM – San Antonio, Texas, mainly working with Sean Thompson, Technology Licensing Associate. Considered as a STTM Licensing Associate, Ana Rita Remígio also collaborated closely with John Fritz and Christine Burke, both Technology Licensing Associates, in the management of various technologies. The outcome of her internship far exceeded Ana Rita's expectations and goals:

"I did feel I was part of the STTM team. Everyone was always available to help and assist me with everything I would need. It was a deep dive into the world of technology transfer – with all the challenges, unexpected outcomes, and successes – that daily occur in a TT Office. I learned more than I could have ever expected. I experienced more than I could have ever imagined.

Particularly to Sean Thompson, I thank him for all his patience, for everything he thought me – both professionally and personally – and for always being there for me. Above all, I thank him for the trust and for the constant encouragement to go further and to face challenges. If I had to do it all over again, I would definitely do it just the way I did: come to San Antonio and stay at STTM for as long as I could."

Photo: Richard Rodriguez

ONGOING OPPORTUNITIES

Digital Media:

INTERNSHIP OPPORTUNITIES IN AUSTIN COMPANIES (DIGITAL MEDIA)

We have recently updated our internship program and encourage graduate students and early-career professionals interested in gaining hands-on experience working at Austin-based companies to apply. The program includes airfare to Austin, housing for up to 3 months, health insurance, and visa fees. We also list interns as "visiting researchers" at the University of Texas, which grants them access to the university library system, gyms, and other campus amenities as well as the city bus system. Those interested in applying can find more information about the program, including application procedures 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/>

www.utenportugal.org

We want to hear from you! Want to share your doubts and concerns about something you read? Want to see other topics featured in next month's newsletter? Want to contribute with articles or art? Please send all your feedback to sofia.santos@fct.mctes.pt.

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