

**DIGITAL MEDIA YEAR 6:**  
September 2011-August 2012



# UT Austin | Portugal

INTERNATIONAL COLLABORATORY FOR EMERGING TECHNOLOGIES, CoLAB

Telecommunications and Information Policy Institute, UT-Austin

## EXECUTIVE SUMMARY:

The UT Austin | Portugal Digital Media Program has steadily continued to foster the development of digital media education and industry in Portugal. Despite limited resources in the sixth year, the program strengthened existing initiatives including the doctoral programs, and even moved toward increased collaboration with the RTP broadcasters. The program continues to build relationships among scholars, independent entrepreneurs, major media industry players, and other members of the digital media community at a variety of institutions around the world. In doing so, it has highlighted Portugal's developing identity as a site of technological innovation, entrepreneurial creativity, and innovative academic research.

This report outlines the accomplishments of the program in the 2011-2012 academic year. Highlights of Year 6 include:

- 22 research project presentations at major conferences around the world.
- 41 publications among the 9 research teams including 2 books and 14 journal articles.
- Support of 20 doctoral UNL and U. Porto student exploratory visitors, each spending a week in Austin exploring the university's resources and meeting potential co-advisors.
- Hosting 16 long-term visitors including doctoral researchers, post-docs, and students taking courses full time at UT for one or more semesters.
- UT faculty teaching 2 full semester courses in Portugal.
- The Summer Institute 2012, featuring 5 courses in Lisbon and Porto ranging from digital animation to research methods.
- UT faculty leading classes at Academy RTP, a professional development program for emerging media makers organized by public broadcasting corporation RTP.
- The continuation of its highly rated professional internship program, furthering the development of 7 visitors' professional skills and career networks in marketing, filmmaking, digital journalism, and other fields.

In spite of limited resources, UTA-P has continued in producing top-notch, innovative research, supporting the ongoing development of the doctoral program, offering new opportunities for students to learn digital media skills and theory, and strengthening relationships with industry partners.

## RESEARCH: Funded Project Activity

The following is a summary of diverse research projects that have grown out of the two calls for proposals made in 2009 and 2010. The project teams consist of faculty from UT Austin, U. Porto, UNL, and several other Portuguese universities. Graduate students from member institutions also frequently have been integrated into the teams, giving them valuable experience in performing highly collaborative and often very interdisciplinary research. The projects' results and subsequent analyses have been disseminated around the world at numerous conferences and in a variety of peer-reviewed publications.

### **Digital Inclusion and Participation (initiated 2009)**

This research has four primary goals: To understand the conditions and trends for access and ownership by users and non-users of digital media and information and communication technologies; to promote comparative research and advanced education in digital media between Portugal and the United States; and to contribute to the public policy arena to inform the discourse and decision making process impacting the digital industries. More specifically, the project intends to engage policy-makers and digital social agents (including teachers) to understand users and non-users of digital media and ICTs. Finally, the project is disseminating relevant recommendations for the development of initiatives for digital inclusion and participation and contributing to the public debate on digital and social inclusion of non-users and minority populations.

### **Presentations**

Ponte, C. (2012). *Lidando com os riscos na internet: como é que crianças e jovens de meios socioeconómicos desfavorecidos pensam a segurança na rede*. [Key speaker]. Presented at 3.º Congresso Internacional de Psicologia da Criança e do Adolescente, Lisboa, Universidade Lusíada.

### **Publications**

#### *Books*

Ponte, C., A. Jorge, et al. (2012). *Crianças e internet em Portugal*. Coimbra: MinervaCoimbra.

Ponte, C. (2012). *Crianças e Media. Pesquisa internacional e contexto português do século XIX à actualidade*. Lisboa: Imprensa de Ciências Sociais.

#### *Journal articles*

Dias, I. (2012). O uso das tecnologias digitais entre os seniores: motivações e interesses. *Sociologia, Problemas e Práticas*(68), 51-77.

Ponte, C. (2012). Digitally empowered? Portuguese children and the national policies for internet inclusion. *Communication Studies* (11), 49-66. Available at <http://www.ec.ubi.pt/ec/11/pdf/EC11-2012Mai-03.pdf>

Ponte, C. & J. A. Simões (2012). Training graduate students as young researchers to study families' use of media. *Comunicar: Revista Científica Iberoamericana de Comunicación y Educación* (38), 103-112. Available at <http://www.revistacomunicar.com/index.php?contenido=detalles&numero=38&articulo=38-2012-13>

Ponte, C., et al. (forthcoming). Do questions matter on children's answers on risk and safety? *Cyberpsychology: Journal of Psychological Research on Cyberspace*.

Ponte, C. (forthcoming). Em família com a internet? Acessos e usos dos media digitais em famílias Portuguesas. *Educação On-line*. Rio de Janeiro, PUC.

Simões, J. A., et al. (forthcoming) Online experiences of socially disadvantaged children and young people in Portugal. *European Journal of Communication*.

Straubhaar, J., et al. (forthcoming). Digital inclusion, media consumption and generations: Contexts of media uses by Portuguese and US families.

#### *Book chapters*

Brites, M. J. (2012). Jovens e informação política: a televisão ainda é importante? Esmiuçando os sufrágios. In Figueiras, R. (Coord.), *As eleições Europeias, legislativas e autárquicas de 2009*. Lisboa: Colecção Estudos de Comunicação, Universidade Católica Editora.

Ponte, C. (2012). Children and the media in a generational perspective. In C. Ortner, S. Trutzel & C. Weijen (Org.), *Changing media worlds: Positions, perspectives and consequences for media and communication research* (pp. 221-234). Salzburg.

### **Kinetic Controller Driven Adaptive & Dynamic Music Composition Systems (initiated 2009)**

This joint research project is developing new techniques and strategies for computer-assisted composition in the context of real-time user control with non-standard human interface devices for applications in electronic art and digital entertainment systems. The research team is designing and implementing real-time software, hardware and specialized human-interfaces that will provide tools and resources for music, dance, theatre, installation artists, interactive kiosks, computer games, internet/web information systems. In 2012, GimmeDaBlues, an iPhone App

developed by members of the Kinetic team at INESC TEC, won the nationwide Prémio ZON competition in the category of Multimedia Applications.

### **Presentations**

Pennycook, B. (2012, July). *A GPR based system for real time segmentation and analysis of performed blues*. Presented at the 12th International Conference of Music Perception and Cognition, Aristotle University of Thessaloniki, Greece.

### **Publications**

Sioros, G. & Guedes, C. (2011, October). Complexity driven recombination of MIDI loops. In Klapuri, A. & Leider, C. (Eds.), *Proceedings of the 12th International Society for Music Information Retrieval Conference (ISMIR 2011)* (pp. 381-386). Miami, USA.

### **Project Breadcrumbs (initiated 2010)**

Breadcrumbs aims at improving the ability of journalists to understand the interests of their readers and the implicit relationships readers perceive between different articles, phrases and events. Research activities include: Designing and evaluating interfaces that support advanced reading behaviors such as clipping and annotating; designing and developing mechanisms that can detect relationships based on the news clipping; and noting the behavior of user groups.

### **Presentations**

Francisco-Revilla, L. (2012, June). *Digital libraries for computational journalism: Supporting human computation of collections of memes*. Presented at the ACM/IEEE Joint Conference on Digital Libraries, Washington D.C., USA.

### **Publications**

Francisco-Revilla, L. & Figueira, A. (2012). Adaptive spatial hypermedia in computational journalism. In *Proceedings of 23<sup>rd</sup> ACM Conference on Hypertext and Social Media (HT 2012)*, Milwaukee, USA (pp. 313-314). New York, USA: ACM. doi: 10.1145/2309996.2310050

### **iDTV Health (initiated 2010)**

The iDTV Health project focuses on the potential of digital interactive television (iDTV) to promote original services, formats and contents that can be relevant to support personal health care and wellness of individuals over 55 years of age in the Portuguese territory. The project intends to evaluate the satisfaction and potential generated by a iDTV service as a way to support personal health care and wellness and facilitate access to information visualization and contents, looking especially at the service's ability to increase levels of social capital among the target group. The research focuses on individuals over 55 years of age with low levels of technological literacy and health professionals.

## Presentations

Damásio, M.J., Mackert, M., & Henriques, S. (2011, December) *Literacia de saúde: tecnologia, comunicação e prestação de cuidados de saúde*. Presented at Actas Congresso SOPCOM: Universidade do Porto, Portugal.

Damásio, M.J., Mackert, M., & Henriques, S. (2011, August). *e-Health and Health Literacy: A Research Methodology Review*. Presented at COST action ISO906 International Conference. London, UK.

Quico, C., Damásio, M.J., Henriques, S. & Veríssimo, I. (December, 2011). *Incentivos e Barreiras à adopção da televisão digital terrestre em Portugal: perspectivas dos telespectadores e de outras partes interessadas*. Presented at Actas Congresso SOPCOM. Universidade do Porto, Portugal.

Sequeira, A., Baptista, A., Quico, C. & Damásio, M.J. (2012, July). *The potential of digital interactive television in the provision of healthcare and wellness services*. Presented at IAMCR 2012: South-North Conversations, Durban, South Africa.

Sequeira, A., Baptista, A., Quico, C., Cardoso, M. & Damásio, M.J. (2012, September). *O potencial da televisão do futuro para a prestação de serviços de saúde e bem-estar*. Presented at X Congress LUSOCOM 2012, Lisboa, Portugal.

Sequeira, A., Baptista, A., Quico, C. & Damásio, M.J. (2012, October). *Exploring the potential of future television for the provision of healthcare and wellness services*. Presented at ECREA 2012: Social Media and Global Voices, Istanbul, Turkey.

Veríssimo, I., Sequeira, A., Quico, C. & Damásio, M.J. (2012, July). *Knowledge, attitudes and expectations of 30 Portuguese families in the context of the switchover from analogue terrestrial television to digital terrestrial television*. Presented at IAMCR 2012: South-North Conversations, Durban, South Africa.

Veríssimo, I., Quico, C., Cardoso, M. & Damásio, M.J. (2012, September). *Serviços inclusivos de promoção da saúde e bem-estar via televisão digital: reportagem e debate interativos sobre Diabetes*. Presented at X Congress LUSOCOM 2012, Lisboa, Portugal.

## Publications

### Journal articles

Damásio, M., Mackert, M., & Henriques, S. (2012). Saúde electrónica e literacia em saúde: uma revisão da metodologia de pesquisa. In Lopes, F. & Ruão, T. (Coord.) *Comunicação e Sociedade número especial Mediatização jornalística no campo da saúde*, 171-185.

Damásio, M. (2011). Social capital: Between interaction and participation. *CM:*

*Communication Management Quarterly: Časopis za upravljanje komuniciranjem* 21, 35–58.

Mackert, M, Damásio, M., Champlin, S., Holton, A. & Munoz, I. (forthcoming). E-health and health literacy: A research methodology review. *Journal of Computer-Mediated Communication*.

Quico, C. (2012). Digital TV switchover in Portugal: What is in it for the viewer. *International Journal of Digital Television*, 3:1, 163–179. doi: 10.1386/jdtv.3.1.163\_1

#### *Book chapters*

Quico, C., Damásio, M. J., Henriques, S., & Veríssimo, I. (2012). Digital terrestrial TV switchover process in Portugal: viewers between a rock and a hard place. In Sousa, H. & Denicoli, S. (Eds.), *Digital Communication Policies in the Information Society Promotion Stage*. Universidade do Minho. Available online at: [http://www.lasics.uminho.pt/ojs/index.php/digital\\_communication\\_polices/index](http://www.lasics.uminho.pt/ojs/index.php/digital_communication_polices/index)

#### *Proceedings*

Quico, C., Damásio, M. J. & Henriques, S. (2012, July). Digital TV adopters and non-adopters in the context of the analogue terrestrial TV switchover in Portugal. In *Proceedings from EuroITV 2012*. Fraunhofer Institute for Open Communication Systems (FOKUS) & Competence Center Future Applications and Media (FAME), Berlin, Germany.

Sequeira, A., Veríssimo, I. & Quico, C. (2012, May). Incentives and barriers to the adoption of digital terrestrial television in Portugal: Perspectives of the stakeholders involved in the transition process. In *Proceedings from ICA 2012 Conference: Communication and Community*. Phoenix, USA.

#### **Workshops**

A TDT em Portugal – Que Futuro? (April 2012). Universidade de Aveiro.

E-health: bridging, connect and innovating (November 2012), Annenberg School for Communication & Department of Psychology, University of Southern California.

Tecnologias Interactivas de Apoio aos Idosos (July 2012). Universidade de Aveiro.

#### **ImTV (initiated 2010)**

High-quality entertainment video shows are now created by professionals, independent producers and amateurs that publish their media online and free of charge. While this new media workflow creates added-value services for end-users (e.g., personalizing their TV viewing), it also breaks traditional TV concepts and affects key economic functions such as program scheduling, audience measurement, and targeted advertisement. The long-term vision of this proposal is to exploit the full potential of new trends in media production and consumption

by devising an on-demand immersive-TV framework combining TV industry, Internet distribution models and end-user's needs/interests.

### **Presentations**

Magalhães, J. et al. (2012, July). *ImTV: Towards an immersive TV experience*. Presented at EuroITV 2012, Berlin, Germany.

Martins, F., Peleja, F., & Magalhães, J. (2012, July). *SentiTVchat: Sensing the mood of Social-TV viewers*. Presented at EuroITV 2012, Berlin, Germany.

Strover, S., Moner, W., & Muntean, N. (2012, May). *Immersive television and the on-demand audience*. Presented at the International Communication Association Conference, Phoenix, USA.

Teixeira, M. & Magalhães, J. (2011, June). *Efficient indexing structures for fast media search and browsing*. Presented at the International Workshop in Content-based Multimedia Indexing, Madrid, Spain.

### **Publications**

#### *Journal Articles*

Neng, L. & Chambel, T. (forthcoming). Get Around 360° hypervideo: Its design and evaluation. In Lugmayr, A. et al (Eds.), *Ambient and Social Media Business and Applications*, special issue of *International Journal of Ambient Computing and Intelligence (IJACI)*.

#### *Book Chapters*

Prata, A., Chambel, T. & Guimarães, N. (2012). Personalized Content Access in Interactive TV Based Crossmedia Environments. In Kompatsiaris, T., Merialdo, B., & Lian, S. (Eds.), *TV Content Analysis: Techniques and Applications*, (pp.331-368). CRC Press, Taylor & Francis Group.

#### *Proceedings*

Chambel, T., Chhaganlal, M. N., & Neng, L. A. R. (2011, November). Towards immersive interactive video through 360° hypervideo. In Romão, T. et al (Eds). *Proceedings of the 8th International Conference in Advances on Computers in Entertainment Technology*, Lisbon, Portugal. New York, USA: ACM SIGCHI.

Chambel, T. (2011, September). Towards Serendipity and Insights in Movies and Multimedia. In Makri, S., Toms, E.G., McCay-Peet, L. & Blandford A. (Eds.), *Proceedings of the 1st International Workshop on Encouraging Serendipity in Interactive Systems, 13th IFIP TC13 Conference on Human-Computer Interaction*, Lisbon, Portugal. Springer Verlag.



Francisco-Revilla, L., Broussard, R., & Crow, J. (2012). New Structures of video collections. In *Proceedings of the 2012 iConference*, Toronto, Canada (pp. 475-476). New York, USA: ACM.

Otebolaku, M. & Andrade, T. (2011). Context representation for context-aware mobile multimedia content recommendation. In Sarhan, N.J. & Hamza, M. H (Eds.), *Proceedings of the 15th IASTED International Conference on Internet and Multimedia Systems and Applications*, Washington DC, USA.

Prata, A. & Chambel, T. (2011, July). Going beyond iTV: Designing flexible video-based crossmedia interactive services as informal learning contexts. In *Proceedings of EuroITV'2011: 9th International Conference on Interactive TV and Video: Ubiquitous TV*, in cooperation with ACM SIGWEB, SIGMM & SIGCHI, Lisbon, Portugal (pp. 65-74). New York, USA: ACM.

Prata, A. & Chambel T. (2011, November). Mobility in a personalized and flexible video based transmedia environment. In *Proceedings of Ubicomm'2011, Fifth International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies*, Lisbon, Portugal.

Soares, M. M. & Viana, P. (2012). TV recommendation and personalization systems: Integrating broadcast and video on-demand services. In *Proceedings of ECUMICT 2012 – European Conference on the Use of Modern Information and Communication Technologies*. Gent, Belgium.

### **INVITE: social Identity and PartNership in VlrTual Environments (initiated 2010)**

Project INVITE explores the development of artificial intelligence mechanisms to create artificial players (autonomous agents) that can perform well in complex social situations provided in games and virtual environments. The research focuses on interactions between agents and human players, specifically on the creation of agents able to display believable human-like behavior including comprehension of the different social groups in a game, the game itself, and the other players.

#### **Publications**

##### *Proceedings*

Baptista, M. L. et al. (2011, December). A videogame to study social dilemmas and social identity [work in progress]. In the *Proceedings of Videojogos 2011: 4<sup>th</sup> Annual Conference in Science and Art of Videogames*, Porto, Portugal.

Prada, R. et al. (2012, June). The role of social identity, rationality and anticipation in believable agents. In *Proceedings of the 11th International Conference on Autonomous Agents and Multiagent Systems*, Valencia, Spain. Richland, USA: IFAAMAS.

### **LIFEisGAME: Learning of Facial Emotions using Serious GAMES (initiated 2010)**

The ability of socially and emotionally impaired individuals to recognize and respond to emotions conveyed by the face is critical to improve their communication skills. The LIFEisGAME project attempts to show how to pioneer and apply a serious game approach to teach people with Autism Spectrum Disorder (ASD) to recognize facial emotions, using real time synthesis and automatic facial expression analysis. LIFEisGAME advances the synthesis of realistic virtual characters and markerless motion capture technology, and creates a non-stressful game to help individuals recognize facial emotions in an interactive way.



Photo 1: LIFEisGAME screen

### **Presentations**

Abirached, B. et al. (2011, November). *Improving communication skills of children with ASDs through interaction with virtual characters*. Presented at the IEEE International Conference on Serious Games and Application for Health (SeGAH), Braga, Portugal.

Fernandes, T., Alves, S., Miranda, J., Queirós, C., & Orvalho, V. (2011, October). *A facial character animation system to help recognize facial emotions*. Presented at the HCist International Workshop on Health, Algarve, Portugal.

### **Publications**

#### *Journal articles*

Gaspar, F., Bastos, R., & Sales, M. (2011). Accurate Infrared Tracking System for Immersive Virtual Environments. *International Journal of Creative Interfaces and Computer Graphics (IJCICG)*, 2(2), 49-73. doi:10.4018/jcicg.2011070104

Miranda, J. et al. (forthcoming). Sketch express: A sketching interface for facial animation. *Computers & Graphics*.

#### *Book chapters*

Freitas, J., Teixeira, A., Dias, M., & Bastos, C. (2011). Toward a multimodal silent speech interface for European Portuguese. In Ipsic, I. (Ed.), *Speech Technologies* (pp.125-150). InTech. Available at: <http://www.intechopen.com/books/speech-technologies/towards-a-multimodal-silent-speech-interface-for-european-portuguese>

#### *Proceedings*

Harguess, J., Hu, C., & Aggarwal, J.K. (2011, November). Full-motion recovery from multiple video cameras applied to face tracking and recognition. In proceedings of *2011 IEEE*

*International Conference on Computer Vision Workshops*, Barcelona, Spain (pp. 1889-1896).  
doi: 10.1109/ICCVW.2011.6130479

Jain, S. & Aggarwal, J. (2011, November). Facial expression recognition with temporal modeling of shapes. In proceedings of *2011 IEEE International Conference on Computer Vision Workshops*, Barcelona, Spain (pp.1642-1649). doi: 10.1109/ICCVW.2011.6130446

## **REACTION: Retrieval, Extraction, and Aggregation Computing Technology for Integrating and Organizing News (initiated 2010)**

News is no longer simply produced and consumed, but instead continually evolves over time as a cooperative dialog between news outlets and the public at-large. News presentation must fundamentally reflect this, providing anytime organization of the latest events, conveying how story elements developed over time, and integrating the story in the larger world context. This project investigates new tools for providing greater automation in newsgathering, analysis, and delivery, while respecting practical constraints of news producers and consumers. The research emphasizes decomposition of stories into granular elements and discovery of implicit relations between them. The project also focuses on the relationships between news and social networks, both explicit and implicit, which underlie the news and significantly shape its content, quality, and authority.

### **Presentations**

Laboreiro, G. Sarmiento, L. & Oliveira, E. (2011, October). *Identifying automatic posting systems in microblogs*. Presented at the 4th Track on Text Mining and Applications (TeMA 2011) in the 15th Portuguese Conference of Artificial Intelligence (EPIA), Lisbon, Portugal.

Lease, M. (2012, April). Discovering and navigating memes in social media. [Modeling Challenge Award]. In Yang, S.J., Greenberg, A.M., & Endsley, M. (Eds.), *Social Computing, Behavioral-Cultural Modeling and Prediction: 5th International Conference, SBP 2012*, College Park, USA. Berlin Heidelberg, Germany: Springer.

Lease, M., Ryu, H., & Woodward, N. (2012, March). *Discovering memes in social media*. Presented at the Chapter Meeting of the ACM Special Interest Group (SIG) on Knowledge Discovery and Data mining (KDD), Austin, USA.

Teixeira, J., Sarmiento, L., & Oliveira, E. (2011, October). *A bootstrapping approach for training a NER with conditional random fields*. Presented at the 4th Track on Text Mining and Applications (TeMA 2011) in the 15th Portuguese Conference of Artificial Intelligence (EPIA), Lisbon, Portugal.

## Publications

### *Proceedings*

Batista, D. S., Ferreira, J. D., Couto, F. M., & Silva, M. J. (2012, April). Toponym disambiguation using ontology-based semantic similarity. In Caseli, H., Villavicencio, A., Teixeira, A., Perdigao, F. (Eds.). *Lecture Notes in Computer Science (LNCS) / Lecture Notes in Artificial Intelligence (LNAI)* (pp. 179-185), International Conference on Computational Processing of Portuguese (PROPOR), Coimbra, Portugal. Berlin Heidelberg, Germany: Springer-Verlag.

Bosnjak, M., Oliveira, E., Martins, J., Sarmiento, L., & Mendes Rodrigues, E. (2012, April). TwitterEcho - a distributed focused crawler to support open research with twitter data. In proceedings of *SMANE 2012: Intl. Workshop on Social Media Applications in News and Entertainment*, co-located with the ACM 2012 International World Wide Web Conference, WWW 2012, Lyon, France.

Silva, M. J., Carvalho, P., Sarmiento, L. (2012, April). Building a sentiment lexicon for social judgment mining. *Lecture Notes in Computer Science (LNCS) / Lecture Notes in Artificial Intelligence (LNAI)* (pp. 218-228), International Conference on Computational Processing of Portuguese (PROPOR), Coimbra, Portugal. Berlin Heidelberg, Germany: Springer-Verlag.

Ryu, H., Lease, M., & Woodward, N. (2012). Finding and exploring memes in social media. In *Proceedings of 23<sup>rd</sup> ACM Conference on Hypertext and Social Media (HT 2012)*, Milwaukee, USA (pp. 295-304). New York, USA: ACM. doi: 10.1145/2309996.2310044

## See-Through-Sound (initiated 2010)

This exploratory research project attempts to see if computer audio technology can provide useful ways of understanding the physical environment. Principal investigator José Tomás Marques Henriques, originally of UNL, is developing sound patterns to describe the surroundings to the user and then building a prototype that incorporates spatial-sensing technology to help users navigate physical spaces. Research has focused on the processing of 2D images, converting relevant color blobs into sonic images. The three channels of composition of color images--hue, saturation, and value--are translated into matrices of numbers whose information is translated into sound.

## Presentations

Cavaco, S. (2012, April). *Automatic cymbal classification using non-negative matrix factorization*. Presented at The 19th International Conference on Systems, Signals and Image Processing IWSSIP 2012, Vienna, Austria.

Henriques, T. (2012, May). *Sonik Spring*. Presented at the ACM SIGCHI Conference on Human Factors in Computing Systems, Austin, USA.

## RESEARCH: Other Activity

### Fall 2012 Resident Researcher Alcimar Queiroz

Dr. Alcimar Queiroz of the Instituto Universitário de Lisboa, a yearly participant at the International School for Digital Transformation in Porto, arrived in September 2012. His research seeks to explore conceptualizations and implications of the information society within developing countries, particularly several Latin American countries and the BRIC countries (Brazil, China, India, China).

### Fall Resident Researcher Carlos Guedes



Photo 2: Carlos Guedes and Bruce Pennycook with exploratory visitors

Carlos Guedes, an Invited Associate Professor at the University of Porto and UT Austin | Portugal Digital Media program director, spent the fall 2011 semester at UT Austin as a Fulbright Visiting Scholar. While visiting in the UT Austin Radio-Television-Film Department, he performed research on machine learning algorithms as applied to automatic music generation. This work contributes to the research project "Kinetic Controllers Driven Adaptive Music

Composition Systems," led by principal investigators Guedes and Bruce Pennycook of UT Austin, and Tomás Henriques of Buffalo State University of New

York and formerly of the New University of Lisbon. Guedes also met with several members of the research team in Austin, including graduate students Rui Dias and Georges Siorios, who came to Austin on short exploratory visits, and Andre Hopzafel, a former INESC Porto researcher now at Bahçeshir University in Isanbul. Guedes also completed three commissioned works while in Austin. These works include electronic music composed for a ballet at Teatro de Ferro, interactive electroacoustic music presented at Miso Music Portugal, and music for a ballet performed at Balleteatro. Additionally, he made preparations for a major musical work to be presented in 2012 at the Guimarães European Capital of Culture.

### 7th annual SOPCOM conference

Professor Rosental Alves of the UT School of Journalism participated in the 7th annual SOPCOM conference in Porto. The national conference examines Portugal's digital media and communication industries and in 2011 focused on the effects and challenges of globalization. Alves participated on the panel Do Jornalismo ao Ciberjornalismo: Questões para um Novo Paradigma (Journalism and Cyberjournalism: Issues for a New Paradigm), presenting research on the role of journalism in the new digital media environment.

### **ACM-SIG-CHI Conference, Austin TX, May 2012**

Several Digital Media faculty and students presented research at the ACM- SIGCHI annual conference on Human Factors in Computing Systems, one of the leading international meetings on Human-Computer Interaction. Attendees included U. Porto professor Verónica Orvalho, U. Porto students Tiago Fernandes and Luís Leite, UNL researcher Tomás Henriques, student Isabel Paiva of UNL, who is currently taking courses at UT, and dual-degree student João Beira, who is enrolled in the Radio-TV-Film PhD program.

Orvalho and Leite participated in the Design and Human Experience poster session, presenting “Shape Your Body: Control a Virtual Silhouette Using Body Motion.” Employing an actor’s entire body as a means to control a virtual silhouette, the project allows real-time animation of a virtual shadow puppet. In doing so, the work combines live acting performance and the manipulation of a puppeteer. Orvalho also presented research in another poster session titled “ Mind Maps as Behavior Controllers for Children,” with U. Porto students and Instituto de Telecomunicações researchers Tiago Fernandes and José Serra. The project proposes a new interface method for controlling virtual characters’ artificial intelligence and behavior in games.

Henriques, who is currently a post-doctoral researcher at the Music Department of Buffalo State College in New York, presented a paper describing SONIK Spring, a new digital music production interface that allows real-time control of sound. Using a fifteen-inch spring controlled by the user’s hands, the technology links gestural motion and kinesthetic feedback to the musical experience.

Working with an interdisciplinary team of researchers and consulting faculty, Beira and Paiva are developing a motion-capture technology application called Super Mirror: An Interface for Ballet Dancers. Using Microsoft’s Kinect, a motion sensing input device, the application records dance poses and captures live motion, comparing the two in order to improve the quality of performers’ feedback. The project is highly interdisciplinary and includes the collaboration of UT School of Information students Zoe Marquardt and Natalia Em as well as Sebastian Kox, a Netherlands-based multimedia artist and technology developer.

### **International Communication Association Conference, Phoenix AZ, May 2012**

Members of the UTA-P Digital Media program faculty traveled to Phoenix, Arizona for the annual conference of the International Communication Association, a leading international organization of communication scholars. The conference’s divisions and interest groups encompass a broad range of specializations including communication law and policy, global communication and social change, and information systems. In addition to Sharon Strover’s presentation on ImTV research described above, program faculty Joe Straubhaar, Laura Stein, and Karin Wilkins participated in several aspects of the conference, chairing panels, serving as respondents, and presenting emerging research in a variety of areas.

Straubhaar presented a number of research projects, addressing topics including identity construction and media use among families in Austin, Texas, co-authored with UT Austin doctoral student Laura Dixon; Brazil's media exports and cultural presence; children's influence on their parents' media adoption patterns; and the use of media in the construction of cultural geography in Texas. Wilkins' contributions to the conference included participation in a panel that re-examined the concept of cultural imperialism in the context of social change. Stein also presented research on law and policy conflicts and activist media. Additionally, Stein and a faculty alumna of the UTA-P program's International School on Digital Transformation, Tanya Notley, presented a paper on transnational communication activism among rights advocates, co-authored with UT Austin doctoral student Stuart Davis. Portuguese doctoral student Cláudia Silva, whose interests include digital media and journalism, also attended the conference to participate in a special pre-conference devoted to mobile communications.

### **Patent Awarded to Digital Media PhD Student**

Doctoral student Marta Isabel Santos Paiva Feraz da Conceição patented an interactive wearable video game in July 2012. The solar-powered game implements a series of wireless electronic sensors and allows players to interact with their physical environment, using their entire bodies to control the game. Players experience a blend of virtual and physical realities and may communicate with one another via a Web connection. Feraz da Conceição is waiting for the final approval of another patent, involving robotics. Since January 2011, she has been a visiting researcher at UT Austin.

## EDUCATION

### PhD, Digital Media

Doctoral Symposium, Austin TX, December 2011

On December 3, UT Austin-Portugal doctoral program students gathered with visiting researchers, faculty members, and UT Austin graduate students to present their research, followed by brief talks by leaders of UT Austin | Portugal sponsored projects. The five-hour symposium showcased the diverse, highly innovative work being developed in Digital Media, and allowed members of the program, who are spread across different colleges and schools at UT Austin, to share their progress with one another and get feedback from faculty members and their peers. The doctoral symposium was the second one of the year; in October, doctoral students studying in Porto and Lisbon presented their research projects during the futureplaces festival in Porto.

The meeting featured 15 presentations as well as a very successful networking lunch, and was attended by approximately 40 people, including exploratory visitors Pedro Bastos, Filipe Lopes, Rui Dias, and George Siorios of U. Porto. Directors Sharon Stover and Carlos Guedes led the



**Photo 3: Professor Craig Watkins speaks at doctoral symposium**

symposium, which featured research from doctoral students Marta Feraz da Conceição, Luís Frias, Isabel Paiva, Tiago Videira, Rossana Santos, and Afonso O'Neill of UNL and Carlos Figueiredo and João Filipe Beira of U. Porto. Dr. Craig Watkins of the Department of Radio-TV-Film and an expert on youth and social media, was the keynote speaker for the symposium. Figueiredo and Paiva are currently enrolled as non degree-seeking students at UT Austin, and Beira is a member of the UT Austin doctoral program as

well as the U-Porto program. The students gave brief but thorough overviews of their work, examining a broad range of topics including interactive film, social network interactions, generative music systems, and perception of urban spaces, among many others. Additionally, visiting scholar Dr. Alcimar Queiroz of the Instituto Universitário de Lisboa discussed his research on the conceptualizing of the information society within developing countries, and interns Rui Silva and Diana Castilho talked about their respective work experiences in audio production and digital marketing.



## Exploratory Visitors

In the fall semester of 2011 and spring semester of 2012, twenty doctoral students made exploratory visits to UT Austin. A list of the students and their home institutions is represented below. During exploratory visits, students spend 7-10 days meeting with faculty from UT programs including the Department of Radio-TV-Film, the Department of Art and Art History, the Department of Theater and Dance, the School of Information, the School of Music and the School of Engineering. These meetings allow the students to speak with various faculty members in person, discuss their work plans, and identify Austin-based co-advisors for their thesis development. The students have the opportunity to explore UT Austin campus resources and the city of Austin as well, with a view toward returning as visiting researchers or registered non degree-seeking students.

### Doctoral Exploratory Visitors, Fall 2011-Spring 2012

Amarante Abramovici U. Porto  
Pedro Bastos U. Porto  
Hugo Castanho UNL  
Sandra Mónia Couto Coelho U. Porto  
Rui Dias U. Porto  
Paulo Fontes U. Porto  
Vânia da Silva Gonçalves U. Porto  
Fernando Governo U. Porto  
Ana Nunes Jorge UNL  
Luís Leite U. Porto  
Filipe Lopes U. Porto  
Soraia Mesquita Ferreira U. Porto  
Bruno Daniel do Nascimento Nobre UNL  
André Alves Pires Correia UNL  
Yago de Quay U. Porto  
Dora Santos Silva UNL  
Luís Álvaro da Silva Fernandes UNL  
George Siorios U. Porto  
Diana Cristina Valente Marques U. Porto  
Andreia Teles Vieira UNL



Photo 4: Visiting students explore the UT campus

## Doctoral Students in Residence



**Photo 5: Visiting student Cláudia Silva, Spring 2012**

Nine doctoral students spent the fall 2011 semester at UT Austin. Three students from Portugal registered as full time students. Enrolled students must take nine credit hours (typically three courses) during the semester, and may select from courses across the campus such as at the School of Information or in the Department of Radio-TV-Film. Students doing thesis research in Austin devote their visits to deepening their understanding of the digital media field, working under the supervision of faculty co-advisors, and developing their dissertation proposals. Registered students and visiting researchers take advantage of the University's extensive system of libraries, including access to a comprehensive collection of online databases, and diverse research facilities. Students with developed research plans undergo the University's rigorous Institutional Review Board process to approve the use of human subjects, with the support of their UT faculty co-advisors.

### Doctoral Students in Residence, Fall 2011

Name	Institution	Advisor
João Beira	U. Porto (dual-degree w/ UT)	Carlos Guedes
Marta Feraz da Conceição	UNL	António Câmara
Carlos Figueredo	U. Porto	José Azevedo
Luís Frias	UNL	Francisco Cádima
António Maneira	UNL	Carlos Correia
Afonso O'Neill	UNL	António Câmara
Isabel Paiva	UNL	António Câmara
Rossana Santos	UNL	Nuno Correia
Tiago Videira	UNL	Jorge Martins Rosa

Additionally, one sponsored post-doctoral researcher visited UT-Austin for the fall semester of 2011 and intends to return in fall 2012. Dr. Alcimar Quieroz of ISCTE researches information society characteristics among Latin American countries.

Two visitors who registered as non degree-seeking students in the fall continued as students in spring 2012. Three additional doctoral visitors joined them January 2012 to attend spring courses.

### Doctoral Students in Residence, Spring 2012

Name	Institution	Advisor
João Beira	U. Porto (dual-degree w/ UT)	Carlos Guedes
Marta Feraz da Conceição	UNL	António Câmara

Ana Figuieras	UNL	António Granado
Carlos Figueiredo	U. Porto	José Azevedo
Frederico Gustavo Magalhães	U. Porto	Catarina Roseira
Afonso O'Neill	UNL	António Câmara
Isabel Paiva	UNL	António Câmara
Cláudia Silva	UNL	António Granado
Tiago Videira	UNL	Jorge Martins Rosa

UT Austin doctoral student João Beira, who is pursuing a dual degree, successfully completed his comprehensive exams in the spring. He returned in fall 2012 to continue his progress towards his doctoral degree.

### Digital Media Internship Program

The UT Austin | Portugal Digital Media Leadership Program has brought many talented Portuguese graduate students and early career professionals to Austin to intern for innovative digital media companies and to take advantage of opportunities to perform innovative research in the field. To date, the program has brought 13 interns to Austin. Below is a list of the fall 2011/spring 2012 interns, as well as results from a survey of 2011-12 DMLP participants evaluating the effectiveness of the program. The survey items range in value from “1” (poor) to “5” (very good).

#### Fall 2011 Interns

Diana Castilho Santos (Mercury Mambo)  
Rui Silva (“Trashdance” multimedia documentary)  
Teresa Vieira (KUT, radio station)



Photo 6: Intern Vera Tavares



Photo 7: Intern Rui Silva in production meeting

#### Spring 2012 Interns

Vera Tavares (Mercury Mambo)  
Pedro Resende (Fueled Films)  
Filipa Rodrigues (KUT, radio station)  
Mário Jacinto (KUT, radio station)

<b>DMLP 2011 Survey Results</b>	<b>Average</b>
The program was well organized.	4.00
3 months was sufficient time for my internship experience.	3.00
My internship position fit well with my skills and interests.	4.00
The living arrangements were appropriate.	4.50
The DMLP internship expanded my conceptual skills.	4.36
The DMLP internship strengthened my technical skills.	4.18
The DMLP internship helped me network with others in my field.	4.55
I expect to maintain professional connections formed during my internship.	4.64
The DMLP internship contributed to my professional development.	4.82
The DMLP staff responded to inquiries in a timely manner.	4.33
The DMLP staff effectively answered participants' questions.	4.56
The DMLP staff effectively arranged travel.	4.45
The DMLP staff was helpful in facilitating the visa process.	4.78
<b>My overall opinion of the DMLP is:</b>	<b>4.82</b>

### Summer Institute 2012

The Digital Media Program conducted its fourth annual Summer Institute in Portugal in Summer 2012. The Summer Institute features credit courses taught on a compressed schedule by UT Austin faculty. This year, the program offered two courses in Porto and four courses in Lisbon, in addition to two special courses taught by University of Texas faculty at Academy RTP, a professional development program organized by the national broadcast network of Portugal. Below are descriptions of the Summer Institute courses. All of the courses concluded by late July but as of early August, evaluations are still under way.

#### **Experimental Animation, Jeanne Stern, Porto**

Students focused particularly on the representation of space in film and on visual motion in this course, rather than on traditional narrative. During the class sessions, students created animated microcosms with their own conceptual and material rules. In addition to learning

animation techniques, students learned about the theory and history of experimental animation and video installation.

In the first week, the class produced group projects using novel techniques. They constructed a three-dimensional world out of paper, and this installation was used to create multiple short videos, including a stereoscopic (3D) slide show, and a moving camera piece. The class also included an exercise in “toy” animation using simple mechanical and optical devices.



Photo 8: Still from Experimental Animation course

Working in pairs, students then created animated “worlds” of their own. These projects were inspired by a variety of sources such as literature, maps, and botany. Student teams worked together to define the “rules” of their worlds, and to produce visual and motion studies. The course culminated in a public screening of students’ projects in downtown Porto.

### **Human-Computer Interaction, Luis Francisco-Revilla, Porto**

This course offered a comprehensive view of the field of Human-Computer Interaction (HCI). Students developed their skills to envision and evaluate novel information interaction systems. To support this endeavor, they were assigned chapters and papers for reading outside of class and were expected to regularly submit written work and participate actively in class discussions.

### **Researching Digital Media Users, Joseph Straubhaar and Sharon Strover, Lisbon**

This two-part course introduced students to basic research methods, relying on a social sciences methodological approach. The course considered issues of epistemology, conceptualization, and measurement, and then examined various research techniques including focus groups, interviews, surveys (online and offline) and field experiments, ethnography, and other Internet-friendly approaches. The course approach emphasized how scholars frame research questions and considered alternative assessment schemes for various research questions. Students were asked to write a brief research proposal during the course and complete several homework assignments tailored to specific methodologies and elements of research and analysis.

### **Cinematography Strategies for the Documentary, Steve Mims, Lisbon**

This course taught students production and post-production concepts, strategies and techniques for creating advanced documentary projects. The class was structured around the creation of short collaborative documentaries shot in groups of two; students shot and edited a six-minute short during the course. The course



Photo 9: Cinematography Strategies for the Documentary class

focused on filmmaking strategies to optimize visual and audio design by utilizing lighting, lenses and camera placement for both interviews and vérité filming. The post-production component focused on a contemporary streamlined workflow with particular emphasis on an editorial organization and decision-making. The class analyzed shooting and editorial decisions from successful documentary films for reference.

### **Entrepreneurial Journalism, Rosental Alves, Lisbon**

Designed for journalism graduate students and professionals, this course focused on the importance of entrepreneurship for the future of journalism in the emerging media ecosystem that has been formed by the Digital Revolution. It addressed relevant lessons that journalists can learn from the startup companies' culture that characterizes the development of digital technology companies. It also focused on the creation of innovative journalistic enterprises and initiatives including the creation of non-profit organizations and the development of projects within traditional media companies. The class studied the impact of digital technologies on the news industry, both in terms of content production and consumption. Special attention was given to the changes in business and distribution models and the ways people consume and produce news and information.

The historical evolution of the business of journalism was also examined, including the current challenges the industry is facing in adapting to the new media ecosystem. Through case study methods and testimonials of a few guest speakers, students were able to dissect journalistic initiatives based on innovative uses of digital technologies and then work on their own projects. The course culminated with the presentation of students' projects of news enterprises for the digital age, including business plans, prototypes, and demos.

#### Summer Institute 2012 Course Evaluations (5 point scale)

<b>Course</b>	<b>Instructor</b>	<b>Location</b>	<b>Enrollment</b>	<b>Score</b>
Entrepreneurial Journalism	Alves	Lisbon	9	5
Research Methods	Strover/Straubhaar	Lisbon	8	4.83
Cinematography	Mims	Lisbon	8	4.60
Experimental Animation	Stern	Porto	15	4.85
Human-Computer Interaction	Francisco-Revilla	Porto	9	4.75

### **Academy RTP, Stuart Kelban and Richard Lewis, Porto**

Kelban and Lewis led classes in scriptwriting at the Academy RTP, a Rádio e Televisão de Portugal transmedia program that gives young interns and professionals the opportunity to develop and distribute their projects with their peers and take workshops conducted by a range of media experts. In Lewis's course "Collaborative Screenwriting" students brainstormed story ideas, using character sketches and other preliminary work done by the students. The class subsequently developed outlines and scripted scenes for two potential television series and four

potential feature films. Kelban’s course “Writing the Short Script” explored the fundamentals of narrative storytelling and helped students apply these principles, developing their own original short screenplays.

Academy RTP 2012 Course Evaluations (5 point scale)

Course	Instructor	Location	Enrollment	Score
Writing the Short Script	Kelban	Lisbon	10	4.75
Collaborative Screenwriting	Lewis	Lisbon	9	4.78

## Additional Educational Activity

### Film and Media Scoring, U. Porto, Bruce Pennycook and Carlos Guedes (Full semester course)

UT professor Bruce Pennycook co-taught with U.Porto professor Carlos Guedes a class on “Film and Media Scoring” at the University of Porto during the spring semester 2012; as part of the course, Pennycook travelled to Porto in March to conduct an intensive week of classes. Comprised of morning and afternoon sessions, the class first introduced students to concepts related to scoring. Students then had the opportunity to engage with the material in hands-on projects in the afternoon. Students used software such as Apple Logic to develop their ideas for a final project recorded at the course’s conclusion.

### Audio-Visual Lab, Geoff Marslett, Lisbon (Full semester course)



Photo 10: Audio-visual Lab semester course, taught by Geoff Marslett

UT lecturer and award-winning animator Geoff Marslett spent the spring semester in Lisbon teaching a special course for doctoral students. “Audio-Visual Lab” gave advanced PHD students an opportunity to work on technical production skills as well as narrative skills. All students worked on presenting non-fiction material through animation, gaining a basic understanding of Adobe post-production software, creating an animated self portrait, and then used these skills to create a series of short stories, a non linear story, a longer narrative, or aid in the assembly

of the other projects into one cohesive web presentation. Students developed their own projects to suit their research topics.

### Music Composition, Russell Pinkston, Porto (Class Visit)

In October 2011, UT Butler School of Music professor Russell Pinkston traveled to Porto to engage with digital composition students. At U.Porto, Pinkston conducted a weeklong intensive workshop with students of professor Carlos Guedes on the musical programming environment CSound.

### **ZON conference, Lisbon, October 2011**

One of the program's major corporate partners, ZON, held an event in Lisbon to address its work with the Digital Media Program. Titled "Evaluating the ZON UT Austin Experiment: Two years of business-university cooperation in the development of script-writing and digital animation competencies," it was held at Universidade Lusófona de Humanidades e Tecnologias on October 20th.

The event gathered participants from the summer 2010 ZON Intensive Script Development Lab and the summer 2011 ZON Digital Animation Advanced Lab at UT Austin, representatives from ZON, and staff from the UT Austin | Portugal program.

The collaboration between ZON and the UT Austin | Portugal Program has brought 28 candidates and winners to the University of Texas at Austin and supported the completion of about 15 projects of fiction and animation. One highlight of the collaboration is the short film "Vicky and Sam" produced in Austin by Nuno Rocha, winner of the ZON Creativity in Multimedia Award 2008.

Rocha's work has received awards in various national and international events, including the Zacuto (USA), Shortcutz, Caminhos do Cinema Português, and Ovarvídeo festivals. Pedro Resende, a former intern hosted by the program in Austin, won the 2010 ZON Creativity in Multimedia Award for film. His winning film "Maybe" was shot in Austin and has gone on to be featured in a number of festivals throughout Europe and North America. Resende returned to Austin in spring 2012 to continue filmmaking.



**Photo 11: ZON Prize winner Nuno Rocha**



## BUILDING CAPACITY

In addition to its efforts in research and education, the UT Austin | Portugal Digital Media program has cultivated relationships with members of the international media community including prominent scholars, policy experts, activists, and artists. In doing so, the program has drawn attention to Portugal's creative industries and academic talent and has fostered environments where Portuguese scholars and entrepreneurs may build networks with internationally renowned members of the digital media scene and meet with other members of the Portuguese digital media community. One of the primary venues for these efforts has been the Future Places Festival, which has drawn speakers, performers, and participants from around the world.



Photo 12: Elizabeth Stark and Peter Sunde discuss copyright

### **Future Places Festival, Porto, October 2011**

The fourth annual Future Places festival hosted community workshops, technology labs, digital media art exhibits, performances, and more from October 19-22 in Porto. In order to tie the Festival more closely to the doctoral programs, the festival hosted an all-day doctoral symposium in which students of the UT Austin-Portugal program shared their projects and research. Pedro Branco from the University of Minho organized an exhibit of student interactive work as well, drawing on

the network of talented students who make up the UT Austin | Portugal Digital Media program's student community. The Festival is one way the program works toward its goal of making Digital Media more responsive to the larger community of students, and giving these students a sense of investment and ownership.

The 2011 festival also focused on the continuation of existing community projects that appeared in previous festivals, and on panels that addressed copyright, one of the most important issues in digital media today. Festival organizers brought two international speakers to keynote the event, Elizabeth Stark (Stanford University, USA) and Peter Sunde Kolmisoppi (The Pirate Bay, Sweden).

As in previous years, Future Places offered practical, hands-on technology labs. Jeanne Stern, an MFA graduate of UT Austin and award-winning artist, taught a course titled Experimental Animation: Ghosts of Spaces. Over two days, participants used a variety of media to create innovative animated films that were later presented at the festival. Brett Caraway, a recent PhD graduate of UT Austin, led another intensive lab, where he introduced participants to Blender,

an open-source 3D modeling application. Participants' projects, developed during two intensive days of instruction, were also later presented.

Citizen Labs were a series of workshops curated by Heitor Alvelos. The sessions focused on social and cultural participation through new media, and were very well attended. Most Labs were organized in coordination with various festival partners, such as the Paredes Municipality, Asociación Cultural Visible, or Radio Zero. This supported a key aspect of the festival's mission, building bridges among community groups.

The doctoral symposium featured over a dozen theoretically and technically innovative projects currently conducted by UT Austin-Portugal Digital Media PhD students from UNL and U.Porto. Many faculty and students gathered to learn about research on haptic art, tools for automated music generation, and interactive video systems supporting environmental activism, among many other topics. The symposium provided a snapshot of the diverse cutting edge research and technological development occurring within the doctoral program and gave students from the partner universities an excellent opportunity to engage with one another.



Photo 13: Members of Radio Zero hoist antenna for Future Places broadcast

The exhibition, curated by Branco (University of Minho), showcased some of the best media art currently being produced in advanced degree programs in new media within various Portuguese universities. Various installations were displayed at Maus Hábitos, one of Porto's leading community cultural spaces, inviting visitors to interact, discuss and think of digital media as a driving force for creative development and innovation.

The festival hosted several prominent speakers on digital media and copyright, including activists, educators, and policy experts. Elizabeth Stark, a Lecturer in Law at Stanford Law School, where she started the "Ideas for a Better Internet" program, gave a keynote address at the opening of the doctoral symposium, where she and other audience members gave feedback on students' projects. Stark is a Visiting Fellow at the Yale Information Society Project and has extensive experience in free culture advocacy, co-founding the Open Video Alliance and serving as a producer of the annual Open Video Conference, which is dedicated to promoting free expression and innovation in online video.

On its final day, the festival featured morning and afternoon discussions on digital media and copyright. Stark appeared in a panel with Peter Sunde Kolmisoppi, co-founder of internationally renowned BitTorrent indexing site The Pirate Bay. Stark and Sunde addressed The Pirate Bay's development, industry and government reactions to the site, and, more generally, shifting attitudes and conditions surrounding intellectual property and digital media.

Another panel focused on copyright featured Teresa Nobre, Legal Project Lead of Creative Commons Portugal, Gregg Perry, a faculty member teaching Digital Media Management at Austin's St. Edward's University, and Sérgio Branco, a professor of intellectual property law at Fundação Getulio Vargas in Rio de Janeiro, Brazil.

The international panel presented a discussion on "Copyright, Creativity, and Change," addressing emerging trends in intellectual property including digital content industry strategies and developing models of free culture. The three speakers were also featured at the University Technology Enterprise Network's Copyright Workshop for the Creative Industries in Porto, which directly preceded the festival. Professor Sharon Strover of UT Austin moderated the panel. The copyright sessions attracted large crowds of interested festival participants and resulted in highly engaged discussions among speakers and audience members.



Photo 14: Type the Future Citizen Lab

Yet another key festival address was presented by Portuguese cultural collective GANA, the authors behind Bruno Aleixo, an increasingly popular virtual character who has appeared on various mainstream media outlets in Portugal. The talk explored new paradigms in media production and consumption via digital media through aesthetic appropriation, online communities, brand subversion, historical references and the use of humor to convey issues of local identity.



Photo 15: Future Places Festival talk

Overall this was the most successful edition yet of Future Places in terms of attendance, engaged community participation, and the scope of proposed activities.

## OTHER ACTIVITIES

### **U.Frame Media Festival, Porto, October 2011**

The U.Frame International Academic Film Festival is an annual event held in Porto and Galicia and is sponsored by universities in Brazil, Singapore, the US and Spain. UT Austin has participated in the festival for the past four years by providing faculty jurors and speakers, as well as student entrants.

In October 2011, four students from U.Porto had work accepted to the program, in addition to five UT students and alumni. All screened films at the festival, and three students from UT-Austin attended the event. The submission from UT Austin alumnus Soham Mehta was given the award for “Best Fiction.”

### **M4M Music for Media Lecture Series**

Carlos Guedes of the University of Porto received funding from the European Union to organize a series of lectures addressing the current impact of new media in music creation and production. The series, which began May 17, features performances in addition to an international array of music authorities. Speakers include Pedro Rebelo of the Sonic Arts Research Center of Belfast; Bruce Pennycook of the University of Texas at Austin; Clarence Barlow of the University of California, Santa Barbara; Hans Timmermans of the Utrecht School of Arts; Ricardo Climent of the University Of Manchester; Sally Jane Norman of the University of Sussex; and Robert Rowe of New York University.