



YOU CAN FIND IN THIS COLABSQUARE EDITION:

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FUTUREPLACES MEDIALAB CELEBRATES ITS 10TH EDITION IN PORTO, 17-21 OCTOBER

- Digital media and its impact have changed dramatically since 2008, but the original motto of the FUTUREPLACES medialab for citizenship remains as relevant as ever: how can technology serve the common good in local contexts and communities?

This year we celebrate the 10th edition of FUTUREPLACES, curated by Heitor Alvelos and, until 2014, Karen Gustafson. With a program of activities from October 17 to 21. Professor Doreen Lorenzo of UT Austin will be the opening speaker at the Digital Media Doctoral Symposium (October 17); twelve citizen labs will be on offer, covering a wide range of media use, exploration and reinvention; exhibitions include UT Austin | Portugal

research posters, all FUTUREPLACES posters since 2008, and a selection of memorabilia from the 2016 U.S. presidential campaign curated by José Pacheco Pereira.

Night-time activities will include concerts in association with Rádio Manobras and Sonoscopia, short films in association with the Shortcutz network, and an open mic on “poetry and technology”. All will converge on Saturday the 21st for a presentation of outputs developed throughout the week. Portuguese Secretary of State for Science Fernanda Rollo will provide the closing address.

All events are free, all are welcome; the full program will be available shortly at futureplaces.org.



DIGITAL MEDIA SUMMER INSTITUTE 2017

- This year's program offered seven intensive courses taught by UT faculty in Lisbon and Porto.

July 14th marked the last day of the 2017 Digital Media Summer Institute.

iNOVA Media Lab (an applied research laboratory at FCSH/UNL devoted to an interdisciplinary convergence of digital media and emerging technologies) and U. Porto Media Innovation Labs (Center of Competences of the University of Porto for the media area) hosted the eleventh edition.

Students have responded very positively to the diverse summer courses offerings. With about 100 participants, this edition of the Digital Media Summer Institute continues to confirm the outstanding success of this annual event that started in 2007.



VISUAL CONNECTIVITY

Venue: iNOVA Media Lab, FCSH/UNL, Lisbon

Speaker: Jill Bedgood, Artist

Dates: May 3-5 and 8-9



IMMERSIVE MEDIA: PRODUCING VR DOCUMENTARIES IN UNITY 3D
 Venue: iNOVA Media Lab, FCSH/UNL, Lisbon
 Speaker: Simon Quiroz, UT Austin
 Dates: June 5-16



INTRODUCTION TO DIGITAL HUMANITIES RESEARCH
 Venue: U. Porto Media Innovation Labs, Porto
 Speaker: Daniel Carter, UT Austin
 Dates: June 19-23



ENTREPRENEURIAL JOURNALISM: INNOVATION AND CREATIVITY TO ADAPT TO THE NEW MEDIA ECOSYSTEM
 Venue: iNOVA Media Lab, FCSH/UNL, Lisbon
 Speaker: Rosental Alves, UT Austin
 Dates: July 3-7



THINKING ABOUT PRESERVING DIGITAL CULTURE: WHAT TO PRESERVE AND HOW
 Venue: U. Porto Media Innovation Labs, Porto
 Speaker: Patricia Galloway, UT Austin
 Dates: June 26-28



IMMERSIVE MEDIA: PRODUCING AUGMENTED REALITY FOR STORYTELLING PROJECTS
 Venue: iNOVA Media Lab, FCSH/UNL, Lisbon
 Speaker: Ben Bays, UT Austin
 Dates: July 10-14



UNDERSTANDING PERSUASIVE ENVIRONMENTAL COMMUNICATION AND IMAGERY
 Venue: U. Porto Media Innovation Labs
 Speaker: Lucy Atkinson, UT Austin
 Dates: July 10-14

FCT CONDUCTED THE 2017 CALL FOR DOCTORAL SCHOLARSHIPS IN DIGITAL

■ The applications were opened from June 15 to September 6.

In the framework of the UT Austin | Portugal program, the FCT opened a Call for 5 Doctoral Scholarships in Digital Media in June.

To consult the announcement:

http://utaustinportugal.org/calls/2017_call_for_doctoral_scholarships_in_digital_media

CREATIVE COLAB WAS BACK FOR THE 2017 EDITION

■ The 2017 edition took place at UPTEC PINC and at U. Porto Media Innovation Labs from June 12 to 16.

The 2nd Seminar on Creative Collaboration was an invitation to explore and discuss various perspectives on Digital Media, intersecting creativity and collaboration. This edition's overarching theme was Digital Citizenship, unfolded along three vectors: Technology, Communication, and Media.

This week-long event was comprised on a three-day hackathon, with public keynotes by guest supervisors and a final seminar with round table discussion. A panel of guest speakers offered diverse views on each subject, through their viewpoints as theoreticians, researchers, and practitioners in digital media.

The audience was encouraged to partake in a final discussion, moderated by Professor Raul Moreira Vidal. This moment aimed at identifying new questions and concerns, brought by emerging technologies into the fields of creation and collaboration.

Creative Colab '17 was an initiative by students of the Digital Media Doctoral Program at the University of Porto, Madeira Interactive Technologies Institute and the University of Texas at Austin, EUA.



Communication Hackathon – Round Table discussion



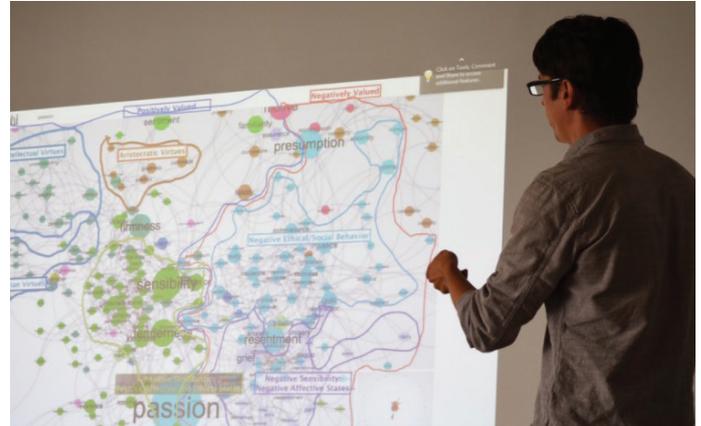
Professor Raul Moreira Vidal and Digital Media PhD student António Baía Reis (U. Porto)

DANIEL CARTER TALKED ABOUT DIGITAL HUMANITIES

- On June 22, Daniel Carter, a professor at UT Austin, presented a lecture exploring the topic “Digital Humanities: Intersections and Questions”

The term “digital humanities” can mean a lot of things: a way of doing scholarly work, a funding ploy, an infiltration of the humanities by the corporate university. Just looking at the kinds of projects that get labeled digital humanities, we see a confusing diversity: people preserving digital materials, people preserving non-digital materials, people using digital tools for new creative works, people using digital tools for new analytic work and people talking about digital topics but not using digital tools.

In this talk, Daniel Carter gave a broad overview of digital humanities work. He pointed to several ways that digital humanities work intersects with other fields such as science and technology studies (STS) and information studies. Finally, Daniel Carter drew attention to lingering questions such as the role of methodology in digital humanities work and how students should be trained.



Daniel Carter addressed the potential definition and frontiers of the Digital Humanities area

The event was promoted by MIL (U. Porto Media Innovation Labs), the Center of Competences of the University of Porto for the media area (mil.up.pt).

PATRICIA GALLOWAY LECTURED ABOUT RESEARCH MANAGEMENT AND MEDIA PRESERVATION

- On June 29, Patricia Galloway, from UT Austin, presented a lecture, at MIL, on “Research Management and Media Preservation: Learning from Archivists and Records Managers”

As records of government and business have turned from paper to digital, archivists and records managers have learned a lot from trying to manage them. Research data managers and preservers of digital media, however, have had no good reason to learn about this experience, which is published in professional journals. In this talk, Patricia Galloway, a professor at UT Austin, pointed to several useful findings that records managers and archivists have learned from their work – and in some cases rejected – that are likely to be even more important for the preservation of digital research data and digital media.

The event was promoted by MIL (U. Porto Media Innovation Labs), the Center of Competences of the University of Porto for the media area.



Patricia Galloway discussed issues of archiving and preservation of digital media

ROSENAL ALVES APPROACHED ENTREPRENEURIAL JOURNALISM

- On July 10, Rosental Alves, the professor at UT Austin, presented a lecture on “Entrepreneurial Journalism: The Quest for Sustainability in the Digital Media Ecosystem”, at MIL.

Rosental Alves, one of the best known faces in Journalism at the UT Austin Academy, was in Porto to talk about the new media ecosystem, business models and how training can not be disconnected from reality.

After explained how digital has definitively changed the media landscape, “from Arizona desert to tropical rainforest, from the climate of resistance to overabundance, “from mass media to mass of media”, the UT Austin professor emphasized what he has long believed: “We have to create new models of sustainability, new companies, new formats, new newsrooms”. “The factor that can change the culture of media companies is entrepreneurship, it is innovation”, he added.

On the one hand, the disruption of business models that financed the quality of journalism is making traditional newspapers to shrink their operations while searching for alternative models. On the other hand, Startups proliferate all over the world, small digital native journalistic companies, operating from their start under new and creative models of news production and distribution.

In this matter, Rosental Alves believes that the academy has a role to play. “The idea is to bring not only entrepreneurship to journalistic companies, but also to the teaching of journalism”. “Both of them were completely averse to anything that was tied to business”, he shared, to further add: “But I think it’s so self-evident the creation of this discipline that resistances are decreasing”. The UT Austin professor believes that there is still hope in the field of journalism and that it passes through entrepreneurship and innovation.

Journalism has sought inspiration from Technology Startups in an entrepreneurial effort taking place inside and outside traditional companies. In American universities, the “Entrepreneurial Journalism” course now presents students notions of business and entrepreneurship, which have never been considered before in the training curricula of new journalists.

The event was promoted by MIL (U. Porto Media Innovation Labs), the Center of Competences of the University of Porto for the media area.



Rosental Alves believes that there is hope in the field journalism and that it passes through entrepreneurship and innovation

LECTURE ON HOW TO COMMUNICATE EFFECTIVE SUSTAINABILITY CAMPAIGNS WITH PROFESSOR LUCY ATKINSON AT MIL

- On July 13, Lucy Atkinson presented a lecture, at U. Porto Media Innovation Labs, entitled “Picture This: Using Infographics, Visuals, and Text to Communicate Effective Sustainability Campaigns”.

Successfully communicating with audiences about issues of sustainability requires, in part, creating effective messages. As countless public opinion and consumer polls demonstrate, even those individuals who claim to hold environmental values and favor living more sustainably often fail to follow through on these attitudes. Bridging this attitude-behavior gap, or green gap, requires effective communication campaigns. Even the most inspiring advances in sustainable technology or engineering would be for naught without a compelling and effective pitch to the relevant audiences of interest.

In this presentation, Lucy Atkinson, a professor at UT Austin, discussed some of her research that has examined mass media messages to understand which factors make for more effective messaging focusing in particular on research exploring the role of visual elements in pro-environmental messages.



Prof. Pimenta Alves and Digital Media PhD student António Baía Reis (U. Porto)

UT AUSTIN | PORTUGAL PROGRAM AT SCIENCE 2017

- This Annual Meeting of Portuguese Researchers took place from July 3 to 5, at the Lisbon Congress Center, and brought together over 4000 participants

Science 2017 aimed to promote a broad debate on the main themes and challenges that guide the activity of the Portuguese Scientific Community. The annual meeting brings together the scientific and technological community in Portugal and guests from different spheres of society.

The 2017 edition marked the 20th anniversary of FCT (Portuguese Foundation for Science and Technology, created in 1997 by Professor José Mariano Gago, as Minister of Science and Technology, and the 50th anniversary of JNICT (National Board of Scientific and Technological Research), predecessor institution of FCT.

The Science 2017, was organized by the Portuguese Foundation for Science and Technology (FCT), Ciência Viva and the Parliamentary Commission for Education and Science.

The Science 2017 meeting counted on more than 400 communications by researchers who presented results of their scientific works, 700 posters of doctoral students and dozens of demonstrations of projects in loco.

Four UT Austin | Portugal researchers had the opportunity to showcase their research work:

MARIA DA CONCEIÇÃO GONÇALVES COSTA – LUSÓFONA UNIVERSITY

PROJECT: GAMES FOR MEDIA AND INFORMATION LITERACY LEARNING (GAMILEARNING PROJECT)

Project Description: The GamiLearning project includes an international research team, with members from CICANT / CIC. Digital, the University of Texas, Austin, the University of Aveiro and an Industry Partner (PTC) that owns the SAPO Campus. The main objective of the project is to develop children's critical and participatory dimensions of media, promoting students' media literacy skills and digital identity management skills through collaborative learning experiences and the creation of digital games in the classroom.

The project has the specific objectives of creating conditions that allow the construction of digital games in the context of learning activities in the classroom; promote technical and sociocultural skills in the area of digital security, digital identities and media literacy; promote collaboration during learning through the use of a social networking platform developed specifically for school contexts; to evaluate the impact of the creation of games by children in the development of learning processes in media literacy.

The project team has participated in several scientific meetings and written articles published in peer review journals, mainly in the area of media, media literacy, media education and game-based learning. Among the last participations are the participation in the Science Meeting 2017 - FCT / UT Austin Program, the participation in the EduLearn conference - IATED from 3 to 5 July in Barcelona; INTED 2017 conference on March 6 in Valencia; Congress of Literacy, Media and Citizenship on May 5 and 6 in Porto; Conference in Segovia from 15 to 17 June - III International Conference on Media Education and Digital Competence (Media Education Summit 2017). The team will also participate soon in the conference Audiences 2030 that will take place in Lisbon on September 28 and 29, as well in the 11th European Conference on Games Based Learning (ECGBL) on 5-6 October in Graz, Austria.

Some of the results presented in the Science Meeting organized by FCT/UT Austin Program show significant differences in the data collected before and after the project's intervention in schools, indicating higher values in the post-test for dimensions of MIL connected to GamiLearning activities. As future work, the research team plans to analyze and cross qualitative and quantitative data collected, as well as to perform a social network analysis of the children's interactions during the project intervention. The project includes also a teachers training, accredited by Conselho Científico-Pedagógico da Formação Contínua - Ministério da Educação that will take place during September and October 2017, and a final conference on April 19, 2018, in Lisbon, in partnership with the 2nd International Media Literacy Research Symposium.

For more information:

gamilearning.ulusofona.pt

To consult the presentation:

http://www.encontrociencia.pt/programa/detalhesprograma/index.asp?acao=vercomunicacao&id_comunicacao=279



Conceição Costa presentation at Science 2017

JOAQUIM MIGUEL OLIVEIRA – UNIVERSITY OF MINHO

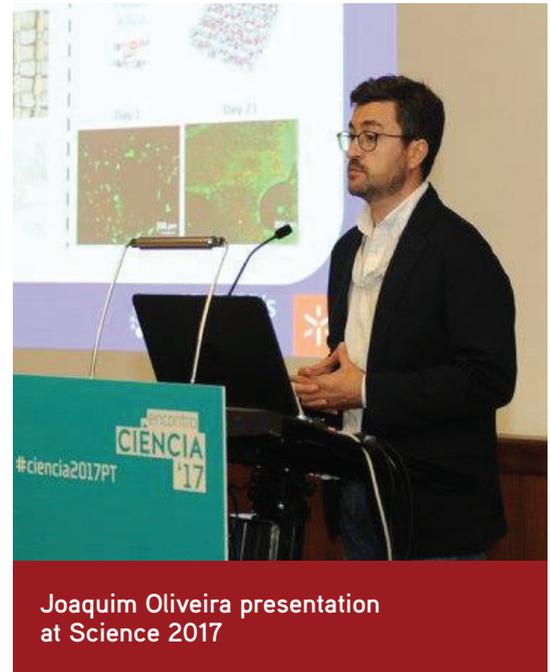
PROJECT: ENGINEERING PATIENT-SPECIFIC BIOPRINTED CONSTRUCTS FOR TREATMENT OF DEGENERATED INTERVERTEBRAL DISC

Project Description: Lower back pain (LBP), which is strongly associated with intervertebral disc (IVD) degeneration, is one of the most frequently reported age- and work-related disorder in actual society, leading to a huge socio-economic impact worldwide.

The current treatments have poor clinical outcomes and thus there is a growing interest in the potential of cell-based tissue engineering (TE) approaches aimed to regenerate the damaged IVD and restore full disc function. Silk fibroin scaffolds have promising features for tissue engineering strategies, once the physico-chemical and biological performances of the scaffolds can be tailored in a wide range by using different formulations and blending with elastin to mimic IVD ultrastructure. The proposed two-stage strategy consists in perform total IVD substitution/regeneration using a personalized approach by means of using reverse engineering, i.e. combining imaging techniques (e.g. MRI and micro-CT) and 3D-bioprinting technology.

In the first stage, human IVD datasets (MRI or CT) are adequately analyzed for developing accurate 3D models that mimic the native IVD sub-compartments. In the second stage, silk-based hydrogels are printed as 3D anatomical scaffolds and characterized thoroughly in vitro.

The implantation of custom-made silk/elastin implants closely mimicking native IVD and possessing an appropriate size, shape, mechanical performance, and biodegradability can improve recovery time after surgery and help to restore spine biofunctionality.



ANA MARIA OLIVEIRA ROCHA SENOS – UNIVERSITY OF AVEIRO

PROJECT: EXPLORING STRESSES TO DEVELOP FUNCTIONAL NANOCERAMICS BY IN-SITU TEM SINTERING (TENSOSINT)

Project Description: The main objective of this work was to investigate the role of stresses on the microstructural design of functional ceramics using in-situ TEM sintering and $K0.5Na0.5NbO3$ (KNN), a lead-free piezoelectric material, as the base material for these studies. The project relies on a strong collaboration between a team from the University of Aveiro, Portugal, with recognized experience in the development of functional ceramic materials, led by Professor Ana Senos, and a team from the University of Texas, at Austin, led by Professor Paulo Ferreira, with expertise in electron microscopy and sintering of nanoscale films.

JOAQUIM ARMANDO PIRES JORGE – INESC (INSTITUTE FOR SYSTEMS ENGINEERING AND COMPUTERS)

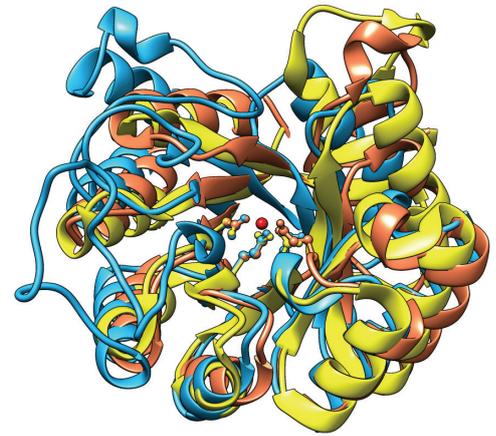
PROJECT: ALGORITHMS FOR MACRO-MOLECULAR POCKET DETECTION

Project Description: Algorithms for Macro-Molecular Pocket Detection is an exploratory project that aims to develop more efficient algorithms to detect pockets in very large molecules. Such algorithms are important in the design of new drugs, as they can predict the location where drugs can bind to a specific protein and, consequently, determine its implications on protein function.

The challenge of structure-based drug design (SBDD) lies in correctly predicting which small molecule (i.e., ligand) would bind to a specific protein and, consequently, which are the implications on its function. It is clear

that SBDD requires a profound understanding of how a ligand interacts with the protein; more specifically, how a ligand fits in its binding site on the protein surface because such information is very useful to predict which other ligands might bind and how strong their bindings will be.

In the last few years, SBDD experienced a major boost owing to the increasingly number of known protein structures. This is largely due to the appearance of many structural genomics projects that unearthed X-ray crystal structures of proteins either with unknown or poorly known function. In fact, it was noted that while some of these proteins contained co-crystallized ligands, most of them were un-liganded. It was then clear that these latter “incomplete” protein structures would end up raising new challenges in respect to the prediction and characterization of protein-ligand interactions.



Searching for binding sites remains a challenge on both the size of proteins that current approaches can handle and the time required to find cavities. This project aims at devising efficient algorithms for detecting pockets/cavities on the surface of large (>500K atoms) proteins capable of binding to small molecules. More specifically, we aim to develop new and efficient geometric algorithms to determine pockets and other cavities in macromolecules, where we employ novel techniques in geometric modelling, computer graphics and visualization combined with high-performance parallel computing.

UT AUSTIN AND PORTUGUESE RESEARCHERS AT WORKSHOP IN PORTO

■ Group prepared the future plans of the program and collaborative research activity.

UT Austin researchers Sharon Stover, Karin Wilkins, Keri Stephens, Luis Revilla and Cecilia Garrec met with Portuguese researchers (from UP, UNL, and MITI) to prepare the next period of collaboration. The workshop was hosted by MIL (Media Innovation Labs of UP) in Porto on July 17 and 18. This was also an opportunity to present the recently created thematic labs of the MIL and also the INOVA Media Lab and MITI.

The agenda comprised the preparation of the future plans of the program, including the collaborative research activity, the Doctoral Program in Digital media and associated events like Futureplaces, PLUNC and the Summer and Winter Institutes. The activities comprised the presentation of the competences of each group of researchers, and the preparation of the action plan for funding collaborative research.



Researchers from UT Austin and Portuguese universities during Workshop in Porto

JAMES, A UTEN-PORTUGAL FINTECH STARTUP IN CREDIT RISK, HAS CLOSED A SUCCESSFUL INVESTMENT ROUND

- This investment round will allow James's team to grow accordingly to the market needs felt mainly in the US and in Europe.

One year after being considered the best Startup in the FinTech area, in Europe, by winning the Money 20/20 Europe Startup Competition, where a tool to assess credit risk in medium-sized banks was presented, James company (formerly known as CrowdProcess), part of the UTEN-Portugal Global Startup Program, returns to Copenhagen, Denmark, after closing an oversubscribed investment round led by Gaël de Boissard, Ex-Credit Suisse Board Member. This round also included ex-Deutsche Bank COO, Henry Ritchotte, and BiG Start Ventures, a VC focused on FinTech and InsurTech. As a result, Mr. Gaël de Boissard has now joined James's Board of Directors.

This marks the beginning of a new stage for James, a data science company focused on the credit industry, where the focus has shifted from finding product/market fit to reaching global scale. The company sees its ambition of building the first Credit Risk AI, together with the superb results achieved with banks' risk departments as the major factors behind this successful investment round. "Having worked in banking and credit for more than two decades, I was always surprised to see how little progress was being made in advancing the science, data analysis, and process automation around credit risk. When I met James I knew that was the future I'd been looking for, and I'm incredibly excited to be part of implementing the first credit risk AI", expressed Mr. de Boissard.

The fact that the James company has a track record of helping banks achieve results such as 30% default rate reduction and 10% acceptance rate increase has been the cornerstone of its growing reputation both in the US and in Europe.

After going through a product/market fit process that involved testing the solution with over 25 financial institutions in three different continents, the company is now focused on execution and growth. In order to fulfill this, company co-founder and lead researcher Pedro Fonseca recently handed over the role of CEO to his co-founder João Menano, who built the company's strong international commercial reach.

James is one of the company's enrolled in the UTEN-Portugal Global Startup Program. The UTEN-Portugal program, a component of the UT Austin | Portugal program, supported by the Portuguese Foundation for Science and Technology (FCT), works to develop globally competitive and sustainable S&T commercialization know-how in Portugal, through partnerships and deal-making during a 12-month program engagement. The Global Startup Program began in 2013 with the mission to provide business development, soft-landing, incubation, and acceleration opportunities to Portuguese technology-based companies. The selected companies have the opportunity to work with a team of experienced professionals in order to make them grow in global markets.

Website: <http://james.finance/>

UTEN-PORTUGAL / THE UNIVERSITY OF TEXAS AT AUSTIN

Website: <http://www.utenportugal.org>



The logo for James, featuring the word "james" in a lowercase, blue, sans-serif font. Below it, the text "by CrowdProcess" is written in a smaller, grey, sans-serif font.

James company logo



Joaquim Oliveira presentation at Science 2017

MÓNICA MENDES, DIGITAL MEDIA FACULTY, CURATES THE EXHIBITION "INTERACTIVE NATURE" AT LISBON UNIVERSITY

- On September 7 to 14, Mónica Mendes was ahead of an installation curatorship that questions the relationship between art and digital technologies and nature as raw material.



From the Greek *synaesthesia*, “common feeling to many”, an immersive environment proposed by Adriana Moreno, Anderson Paiva and Bruna Christófaró explore sensations and memories from various scales of nature – from grains of sand that resemble the sea, to water particles that incorporate the rainbow, and the cloud which integrates the nebula. Through the senses and metaphors, the installation “Interactive Nature” also showed a sustainability concern.

These projects have been carried out in the scope of the doctoral researchers of the artists, with multidisciplinary collaborations whose accomplishment surpasses the individual realization and in contexts as diverse as artistic residencies, workshops, and hackerspaces.

In this sense, according to Mendes, the exhibition works as another step in this process, a living laboratory that will inform later developments – from the open residence setup to observation and evaluation of the relationship of the public with the pieces.

More information at <https://cargocollective.com/sinaisthesis2017>

DIGITAL MEDIA DOCTORAL STUDENTS NEWS

Horácio Tomé Marques, a Digital Media Ph.D. Student, presented a Neurofeedback project in Brussels

The presentation took place at the European Commission Conference “Research & Innovation – Shaping Our Future”, one of the most important international conferences on research and innovation in Europe

Horácio Tomé Marques, a Digital Media Ph.D. student at the University of Porto, did one more original activity with Brain Interfaces and Neurofeedback, this time at the European Commission (EU) Conference “Research & Innovation - Shaping Our Future”, involving the participation of Pascal Lamy, former president of the WTO - World Trade Organization, and Carlos Moedas, European Commissioner for Research, Science and Innovation.

Under the theme Neurofeedback and Neurotechnology and its Applications Today and in the Future - in areas such as health, education, sports, robotics, entertainment or the arts - the student of the Doctoral Program in Digital Media, under the UT Austin | Portugal program, presented on July 3, in Brussels, his Neurofeedback project.

It was an unprecedented activity, both by the context and the people involved, within which was designated as “Glimpses of the Future” and curated by Michela Magas, Women Innovators 2017 1st Prize, that crossed neurosciences, technology, and art. It was led by Horácio Tomé Marques, responsible for the art, programming, and scientific co-design of the system, and by his long-time colleague Francisco Marques Teixeira*, co-artist, and responsible for the system scientific design, and by Carlos Moedas and Pascal Lamy as the “performers” (i.e., the actual “players” of the “game”).

The game consists of two avatars (brain based forms), each corresponding to each participant. It detects phenomena such as focused attention or intense use of working memory, and controls and produces animations, musical entities, and special effects according to those phenomena. The system, this time, uses mostly algorithms to process gamma/beta waves —there is some empirical evidence that, high frequency oscillations, e.g., gamma-band activity, could denote the number of relevant items maintained in working memory and/or semantic evaluation of speech.

The “game” begins with both avatars in a resting state. If a participant becomes loaded cognitively by, e.g., trying to do complex mental arithmetic based calculations, his brain avatar begins to turn towards the other avatar, and to increase the volume of his musical entity(s). It also generates more particles each time it achieves a threshold. If the participants achieve an high-level of the same state simultaneously, and during certain amount of time, besides “looking” at each other, getting closer, generating more particles, adding sounds, and augmenting sound volume, each brain (avatar) “explodes” in looping colours, as if they became in strong mutual influence. It is relevant to say that, after some training, the participants may eventually control the system consciously and this makes the system a true interactive game.



Horácio Tomé Marques played with the brains of Pascal Lamy and Carlos Moedas



The game consists of two avatars (brain based forms), each corresponding to each participant

Organized by the European Commission (EC) the conference took place in the Charlemagne Conference Centre, Brussels, Belgium, and focused on the discussion and evaluation of research and innovation issues in Europe, where results of programs such as Horizon 2020 and relevant case-studies, from the pharmaceutical industry to the space industry, were presented, and future needs and paths were considered.

In addition to Carlos Moedas and Pascal Lamy, many other prominent personalities were present, such as Serge Haroche, Nobel Prize in Physics in 2012, Fabiola Gianotti, General-Director of CERN - European Organization for Nuclear Research and Vladimir Šucha, General-Director of the Joint Research Center of the European Commission. Also policymakers from EU institutions, nearly 700 stakeholders and interested actors to discuss the role of research and innovation for Europe's future.

Horácio has been able to keep his research fresh and alive in the brain representation systems through the arts and multimedia approaches, by continuously proposing and testing innovative direct brain based "narrative" possibilities.

Horácio Tomé Marques and Francisco Marques Teixeira are both founders and directors of MuARTs
<http://james.finance/>

More information about the conference available at:

<https://ec.europa.eu/research/conferences/2017/shaping-our-future/index.cfm>

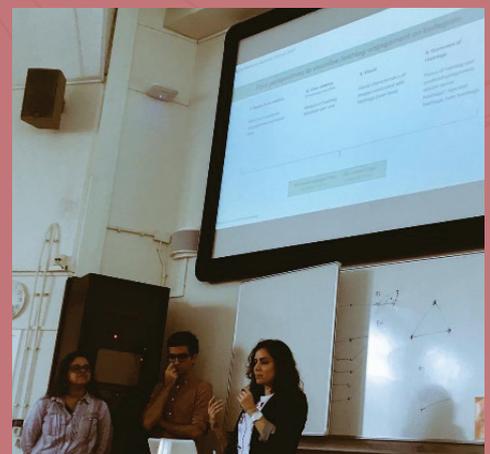
Janna Joceli, a Digital Media Ph.D. Student, has participated in the 10th edition of the Digital Methods Initiative Summer School in Amsterdam

The DMI Summer School was held at the University of Amsterdam from June 26 to July 7

Janna Joceli, a doctoral researcher in Digital Media, has attended the 10th edition of the Digital Methods Initiative (DMI) Summer School at the University of Amsterdam, under the theme "Get the picture - Digital Methods for Visual Research". In this two-week intensive course, participants had the opportunity to do exploratory and experimental research advanced by digital methods approach. Substantive research projects are conceived through the Digital Methods Summer School, and such projects can be facilitated by DMI researchers or conducted by participants.

In the first week, she joined the project Making Climate Visible lead by Warren Pearce and Suay Ozkula. In the second week, Janna Joceli accepted the challenge of pitching a project about Hashtag Engagement Research, and her proposal has expanded in quality after the invitation of Elaine Rabello (Associate Professor at Universidade do Estado do Rio de Janeiro) and André Mintz (Doctoral Researcher in Communication Studies at Universidade Federal de Minas Gerais). Together they pitched the project and conducted work on "Visualising Hashtag Engagement - Imagery of Political Engagement on Instagram". The group was also composed by Suay Ozkula (Research Associate on the ESPRC-funded project 'Making Climate Social' at the University of Sheffield), Ece Elbeyi (Research Assistant in Media Department at Istanbul Bilgi University, and Master Student in Media and Communication Systems), Gabriela Sued (Research Professor in New Media and Digital Culture at the University of Buenos Aires) and Alessandra Cicali (Freelance Journalist and co-founder of Eurete - European Reporting Team).

The project main proposal was to study hashtag engagement under four perspectives*: 1) media item - using metrics of audience engagement per media item combined with user activity over time;



Janna Joceli proposes four approaches to Hashtag Engagement Research

II) user - using metrics of caption or hashtag adoption per user (over time); **III)** visual - analysing visual characteristics of images associated with hashtags (over time), and **IV)** grammars of Hashtags - looking at forms of hashtag use: positioning/alignment, double sense hashtags, hijacked hashtags, hate hashtag. This project thus explored visual methodologies (Rose, 2016) in order to grasp the logics and structures of hashtag engagement (production, circulation, actors, generated content), drawing the rise of political polarization in Brazil as a case study (see the project pitch slides and the Wiki Report). In addition, the project took into ways to include the ordinary voice along the right and left wing protests of March 2016 in Brazil. The group explored new visual methods such as relying on Google Vision API to analyze label-image and tag-image networks, they also used Cortex to conduct text analysis, and finally, they adopted Raw graphics and ImageSorter to facilitate the analysis of the visual culture of the dominant voices of the protests.

Janna Joceli shares her research insights in <https://thesocialplatforms.wordpress.com> and tweets @JannaJoceli. Her papers are available in Academia and presentations in SlideShare.

*Omena, J.J. et al. (forthcoming). Visualising Hashtag Engagement on Instagram



Janna Joceli and André Mintz analysing the image label network of anti-coup protests (18th March 2016)



Team working

PhD Conclusions

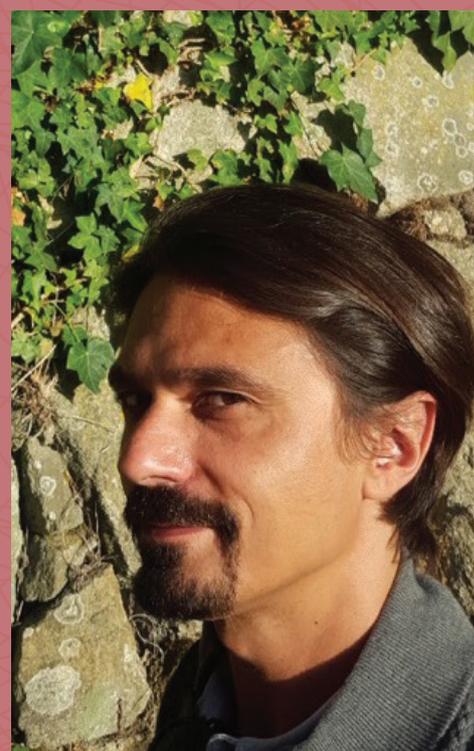
Tiago Gama Rocha (U. Porto) Thesis Title:

Journalism in the Age of Personalization: A Psychophysiological Approach to the Attention Economy

"I will not bother the reader with a summary of my work, for that the interested reader can find all the necessary information on the UT Austin | Portugal website under the alumni section. Instead, I will keep it simple in the hope that those now entering the program may find some inspiration in these thoughts.

First and foremost, never forget that all of us, who embark on this program, are fortunate and privileged. If nothing else, simply because we are given the opportunity to freely transform this journey into what we want it to become. Being involved in such a hybrid approach to research allows us to meet and, sometimes, befriend academics, researchers, and innovators from a multitude of fields, in a way that presents us with the opportunity, if we so wish and work towards, to stop living in academic silos and dive deep into the wondrous of an interdisciplinary state-of-being. However, beware, the journey will not be as smooth as we wished for it to be. There will be doubts, there will be solitary confinement, and there will be personal losses.

The journey cannot do without this ambivalence because much of the reward would be unintelligible without this incredibly challenging chapter.



I would like to send my regards and blessings to those who supported me in any respect during this journey - Supervisors Dr. Paulo Frias and Dr. Pedro R. Almeida, colleagues João Lopes and Sofia Leite, Friends and Family (you know who you are) - Y'all have been there for me through thick and thin.

I would also like to express my most sincere gratitude to Fundação para a Ciência e Tecnologia for awarding me with a full scholarship, without which this dissertation would most likely not have been possible."

UPCOMING EVENTS

■ UD 17: NOISEWISE

Design Research in face of current challenges to knowledge

Sixth Annual Forum on Doctoral Design Research

Dates: October 16-17, 2017

Venue: UPTEC PINC, Porto

More Information: <http://ud17.businesscatalyst.com/>

■ FUTUREPLACES, EDITION 10

Dates: October 17-21, 2017

Venue: Porto

More Information: <http://futureplaces.org/>

■ 1st DIGICOM - International Conference on Design & Digital Communication

Dates: November 10-11, 2017

Venue: Gil Vicente Theatre, Barcelos

Daniel Brandão, Jorge Pereira e Nuno Martins, former PhD Students of the Digital Media Doctoral Program, are DIGICOM Organizing Committee members. Its first edition, the International Conference on Digital Design and Communication seeks to strengthen an intrinsic relationship between scientific research, academic and professional world. More information at digicom.ipca.pt/

■ 10th INTERNATIONAL CONFERENCE ON INTERACTIVE DIGITAL STORYTELLING (ICIDS 2017)

Dates: November 14-17, 2017

Venue: M-ITI (Madeira Interactive Technologies Institute), Funchal, Madeira, Portugal

More Information: <http://icids2017.m-iti.org/>

MORE OPPORTUNITIES can be found at FCT website: <http://www.fct.pt/concursos/>

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