

**WEDNESDAY, 13**  
**CENTRO DE CONGRESSOS DE AVEIRO**

08:00 REGISTRATION

09:30 - 10:20 OPENING SESSION

Professor Dr. Paulo Bernardino Bastos | Director of ARTECH Aveiro  
Professor Dr. Adérito Fernandes-Marcos | Director of ARTECH Internacional  
Dr. José Manuel Pina | Cultural Manager and Programmer of CMA  
Professor Dr. Vasco Branco | Director of ID+ Research Institute  
Professor Dr. Ana Veloso | Director of Departamento de Comunicação e Arte, UA  
Dr. Miguel Capão Filipe | City Councilor of CMA  
Professor Dr. Paulo Jorge Ferreira | Rector of University of Aveiro

**PARALLEL SESSIONS ROOM1**

**S01 ÓSCAR MEALHA** [moderator]

10:30 15' Recovering Data from Art-technology  
**Silvia Laurentiz**  
10:45 10' The Beautiful Encounters  
**Mar Canet, et al.**  
10:55 15' Once Upon a Time: A Kit of Tools for Reading and Telling Stories  
**Nuno Martins, et al.**  
11:10 15' Immanent Curiosity/Creativity in Science, Art, and Politics  
**Jorge Ribeiro, et al.**  
11:25 10' Boidance - Dancing the Kinesphere with Virtual Reality, Boids and Genetic Algorithms  
**Rui Antunes, et al.**

**PARALLEL SESSIONS ROOM2**

**S02 GILVANO DALAGNA** [moderator]

10:30 15' Keeping the living bond between actors and remote audiences in distributed virtual theater  
**Anastasiia Ternova, et al.**  
10:45 10' Enhancing Science Communication through AR Driven Visual Storytelling: Suggested Approach and Study  
**Anastasiia Tyurina**  
10:55 15' Applications of Anamorphosis and Mixed Reality in a Classroom Setting  
**António Araújo, et al.**  
11:10 10' Metaphysics of The Machines  
**Predrag Nikolic, et al.**  
11:20 15' The Digital and the Virtual in the Transcodifications of Cultural Heritage  
**Carmen Silva**

11:45 - 12:00 COFFEE BREAK

**S03 GRAÇA MAGALHÃES** [moderator]

12:00 15' TranScenT in Stillness: Exploring the Feasibility of Using Incense Art with Virtual Reality for Meditation  
**Mei-Kei Lai, et al.**  
12:15 10' Assum Livre: paradoxical performance between the real and the digital  
**Rosimária Rocha, et al.**  
12:25 15' Performative Holography - The Hologram And The Experience With Its Image  
**Isabel Azevedo**  
12:40 10' How to Remember COVID-19 in the Post-pandemic Era: Virtual Class Environment as Conformist Interactive Art  
**Byeongwon Ha**  
12:50 15' Rejeitorio: An interactive video installation focusing on human impact on the São Francisco River  
**Inês Argôlo, et al.**

**S04 ADÉRITO F. MARCOS** [moderator]

12:00 15' Techno-bio-diversities in Latin American Art: Circuito Alameda and Proyecto Bios  
**Matheus Montanari, et al.**  
12:15 10' Art Access in Pandemic Times: 3D Digitization Process of an Art Gallery  
**Rogério Bordini, et al.**  
12:25 15' ESPOROSlab: Human-Data-Environment Performativities  
**Claudio Filho**  
12:40 10' The consumption and dissemination of information: media narrative languages and reflections on Fake  
**Héllen Anjos, et al.**  
12:50 15' A Stone in the Stomach - A class as a work of art  
**Gilberto Reis, et al.**

13:15 - 14:00 LUNCH

**TEATRO AVEIRENSE AUDITORIUM**

14:30 - 16:30 Citizens and Cities - what lies around the corner?  
**Pedro Costa | Tracy Geraghty | Jordi Baltá**  
**Maria Vlachou** [moderator]

**CENTRO DE CONGRESSOS DE AVEIRO**

**S05 GILVANO DALAGNA** [moderator]

16:45 15' The Ragpicking DMI Design: The Case for Green Computer Music  
**Leandro Costalonga, et al.**  
17:00 10' Don't Worry, Be Happy: Resisting an AI Emotion Recognition System With a Smile  
**Angus Forbes, et al.**  
17:10 15' Transient Pattern, the Model of Digital Layout  
**Andre Gogova**  
17:25 10' Designing with the Immune System: The Abject, Bodily Fluids, and Micro(be) Interactions  
**Teresa Almeida, et al.**

**S06 JORGE S. CORREIA** [moderator]

16:45 15' Algorithmic Identification of Tone Color: A Comparison of Algorithmic Identification and Identification by Survey Respondents  
**Anis Haron, et al.**  
17:00 10' Aesthetic Nostalgia Mediated Design for Long Distance Relationship  
**Yu Xuqin, et al.**  
17:10 15' Ob.EMMA\_Observatory of electronic music and media art in Portugal: proposals for data visualization  
**Célia Soares, et al.**  
17:25 10' The Sound of Textile: An Interactive Tactile-Sonic Installation  
**Sara Mlakar, et al.**

18:00 EXHIBITION CONTINGENCY

Adérito Fernandes-Marcos | Anastasiia Ternova | Andréa Catrópa | Andreas Pointner  
Andres Montenegro | António Araújo | António Bandeira Araújo | Artur Rebelo  
Audrey Ushenko | Aurea Muñoz-del-Amo | Brian Franklin | Bruna Sousa  
Catarina Canelas | Cecilia Suhr | Charles Hutchins | Chiara Masiero Sgrinzatto  
Chris Wille | Cultura Plasmic INC | Daniel Tércio | Dominic Nguyen | Eman Al-Zubeidi  
Emma Conley | Flávio Schiavoni | Francisco Alves Freitas Neto | Georges Gagnere  
Gilberto Reis | Guilherme Zanchetta Avila | Horácio Tomé-Marques | Hugo Canossa  
Hugo de Azevedo | Igino Silva Junior | Isabel Azevedo | Isabelle Barreto Martins  
Ivani Santana | Jaime Diaz | Jeffrey Morris | Jieyuan Huang | Jinsil Hwaryoung Seo  
Jonatas Manzolli | Jonathan Konderla | José N. Rebelo | Julia DeLaney | Juliana Wexel  
Juliano Prado | Julie de Araujo Pires | Karla Brunet | Kathleen Rogers  
Lucas Fabian Olivero | Marcela Almeida | Marcelo | Gonçalves Ribeiro  
Margarida Bezerra Bastos | Maria Manuela Lopes | Mariana Baruco M. Andraus  
Marko Jovanovic | Michael Haller | Michele Luceac | Mira Alida Haberfellner  
Mohd Razali Md Tomari | Nuno Coelho | Nuno Sousa | Paulo Bernardino Bastos  
Paulo Cesar Teles | Pedro Ferreira | Penousal Machado | Predrag K. Nikolic | Rainer Danner  
Rocio Garcia-Robles | Roland Aigner | Rosana Bernardo | Rosangella Leote  
Rosimária Rocha | Rui Filipe Antunes | Ruiyang Liu | Sara Mlakar | Selma Pereira  
Sérgio Bordalo E Sá | Sérgio Eliseu | Sérgio M. Rebelo | Sofia Soromenho  
Sónia Carvalho | Su Hyun Nam | Thomas Preindl | Vasileios Bouzas



**ARTECH 2021**  
**AVEIRO - PORTUGAL**

**HYBRID PRAXIS - ART,  
SUSTAINABILITY & TECHNOLOGY**

**10<sup>th</sup> INTERNATIONAL CONFERENCE  
ON DIGITAL AND INTERACTIVE ARTS**

**13-15 OCTOBER 2021 | AVEIRO | PORTUGAL**

## THURSDAY, 14

### CENTRO DE CONGRESSOS DE AVEIRO

PARALLEL SESSIONS ROOM1		PARALLEL SESSIONS ROOM2	
09:00	15'	09:00	15'
S07 ANTÓNIO ARAÚJO [moderator] Power Chess: robot-to-robot nonverbal emotional expression applied to competitive play Ray LC, <i>et al.</i>		S08 SÉRGIO ELISEU [moderator] STEAM for all: New Computational Thinking Curricula in Spanish Formal Secondary Education Rocio Garcia-Robles, <i>et al.</i>	
09:15	10'	09:15	10'
Imitations of Immortality: learning from human imitative examples in transformer poetry generation for interactive web installation Ray LC		Hybrid Lab Network an exploratory project on STEAM Higher Education Maria Manuela Lopes, <i>et al.</i>	
09:25	15'	09:25	15'
Art & Science in Antarctica Karla Brunet		Synthetic Books Varvara Guljajeva	
09:40	10'	09:40	10'
Poetics in hybrid art Denise Bandeira, <i>et al.</i>		Virtual Garden-Wandering Vasileios Bouzas	
09:50	15'	09:50	15'
Sociological (Re)search Games: play and transfer cultural knowledge among social sciences, museum staff and publics Pedro Andrade		Dig in Aveiro with AVARUM Lands: An Immersive Game to Promote Cultural Heritage Valérie Duarte, <i>et al.</i>	
10:15 - 10:30	REFRESHMENTS		
10:30	15'	10:30	15'
S09 ADÉRITO F. MARCOS [moderator] A Future in (Re)connection with the Past - An installation that (re)connects man's relationship with nature Sara Cruz, <i>et al.</i>		S10 MARIA M. LOPES [moderator] The Art of Point Clouds: 3D LiDAR Scanning and Photogrammetry in Science & Art Lucija Ivšic, <i>et al.</i>	
10:45	10'	10:45	10'
SURRENDER to Alto das Mercês Ignio Junior, <i>et al.</i>		Cognition Beyond Consciousness: Understanding Affective Possibilities in the Cognitive Relationship Between Humans and Technology for Their Sustainable Coevolution Su Hyun Nam	
10:55	15'	10:55	15'
Robot-Robot Interaction, Toward New Conversational Artificial Intelligence Aesthetic Predrag Nikolic, <i>et al.</i>		Contributions for an Annotation System in the Context of Scientific Communication Sandra Cruz, <i>et al.</i>	
11:10	10'	11:10	10'
Weblogmusic Jeffrey Morris		Interface Aesthetics: net art, social media and contemporary culture Priscila Arantes	
11:20	15'	11:20	15'
The Birth of Machine Sex: The Pornographic Phenakistiscope Disks of the 1840s Rod Bantjes		From the Mothers' Movement to Cradlr: An Interaction Design for Refugee Children Jing Zhou	
11:45 - 12:00	COFFEE BREAK		
12:00	15'	12:00	15'
S11 ISABEL AZEVEDO [moderator] Modes of sharing creative outputs in a school during confinement Paula Varandas		S12 SELMA PEREIRA [moderator] Visible Disruption: participatory actions with images in the age of bigdata Fernanda Oliveira	
12:15	10'	12:15	10'
Deconstructing Whiteness: Visualizing Racial Bias in a Face Recognition Algorithm Avital Meshi		A Walk Alone: A Virtual Reality Simulation about the Dangers Women Face When Walking Alone at Night Eman Al-Zubeidi, <i>et al.</i>	
12:25	15'	12:25	15'
Emotional resonance at art interactive installations - Social reconnection among individuals through identity legacy elements uncover João Fragoso e Castro, <i>et al.</i>		Assum livre: paradoxical performance between the real and the digital Rosimária Rocha	
12:40	15'	12:40	15'
The Legacy of a Lifetime of Collecting: An Interactive Natural History Museum Exhibit Anna Lindemann		Analysis of secondary school students' interactions in virtual environments Bárbara Cleto, <i>et al.</i>	

### 13:00 - 14:00 LUNCH

### TEATRO AVEIRENSE AUDITORIUM

14:30 - 16:30 Arts, Technology and the Digital World – Future Creativity is NOW?  
Victoria Vesna | Lucia Santaella | Mirian Tavares | Gerald Estadieu  
Paulo Bernardino Bastos [moderator]

### CENTRO DE CONGRESSOS DE AVEIRO

16:45	15'	16:45	15'
S13 JORGE S. CORREIA [moderator] Videographic artistic experiences in times of pandemic Regilene Ribeiro		S14 GILVANO DALAGNA [moderator] To Remind the Invisible: Art, Criticism and Sensitivity in the Algorithmic Culture Sérgio Júnior, <i>et al.</i>	
17:00	10'	17:00	10'
Displaced: A 360-Degree Virtual Reality Narrative about Immigration-Related Trauma Eman Al-Zubeidi, <i>et al.</i>		Botorikko, Machine Create State Predrag Nikolic, <i>et al.</i>	
17:10	15'	17:10	15'
Knowledge Art - Artworks and inventions Bruno Vianna,		MIRAGÉ - The social function of artistic practice as a tool for empowerment. Creative net art projects with Women in Shelters Teresa Furtado, <i>et al.</i>	
17:25	10'	17:25	10'
ACCtic Master Programme on STEAM + SciArt Rocio Garcia-Robles, <i>et al.</i>		Debris Pedro Ferreira	
17:35	15'	17:35	15'
Shared activity for digital fabrication. Social interaction proposal for generation of new "Festa de Largo" stalls in Salvador Maria Regina, <i>et al.</i>		Contemporary art as a factor in generating knowledge from video Hernando Urrutia, <i>et al.</i>	
17:50 - 18:05	COFFEE BREAK		
18:15	15'	18:15	15'
S15 PAULO BERNARDINO [moderator] Convolutional Neural Networks: Intersection of Deep Learning and Image Processing in Computational Art Aya Shabbar		S16 ANTÓNIO ARAÚJO [moderator] Video games and gamification against online hate speech? Susana Costa, <i>et al.</i>	
18:30	15'	18:30	15'
Aveiro within us - Sensorial walk with real-time procedural video composition Rui Filipe Antunes, <i>et al.</i>		Jardim das Cartas a Presence Ecology: a multimodal and dynamic flow in a installation Jônatas Manzolli, <i>et al.</i>	

18:45	15'	A Computational Analysis of Timbre and Tuning for the Rebab and Makyung Music Traditions of Malaysia Anis Haron, <i>et al.</i>
20:30	NETWORK DINNER	

## FRIDAY, 15

### CENTRO DE CONGRESSOS DE AVEIRO

PARALLEL SESSIONS ROOM1		PARALLEL SESSIONS ROOM2	
09:00	15'	09:00	15'
S17 PAULO BERNARDINO [moderator] Variable Image Patterns Eduarda Duarte, <i>et al.</i>		S18 MARIA M. LOPES [moderator] The Power of Collaborative Synergy: How Cross-disciplinary Collaboration between Artists and Audience Members Breeds Successful Audience Engagement & Immersion Eman Al-Zubeidi, <i>et al.</i>	
09:15	15'	09:15	10'
POIESIS & PRAXIS: Fundamentals of Beethoven's 9th Symphony for Sound Art / Design studies Ivaldo Moreira		Day Bi Day: A research guided by the practice of graphic design and poetic writing Cassandra Loh, <i>et al.</i>	
09:30	15'	09:30	15'
Art and Instagram - Instagram as a means of creation Emanuela Boccia		Syntactic Analysis of Digital Artworks Rocio Garcia-Robles, <i>et al.</i>	
09:45	15'	09:45	10'
From Shadows: Revealing academic anxiety through graphic design Kiarna Michie, <i>et al.</i>		Haunting an 18th Century Peepshow: Design and function of the mixed-media theatrical installation Teatro Menor Iain Mott	
10:15 - 10:30	REFRESHMENTS		
10:30	15'	10:30	15'
S19 SÉRGIO ELISEU [moderator] Creative Technologies and Interdisciplinary Collaboration. A case study on the Aspen Movie Map Janina Hoth		S20 ANTÓNIO ARAÚJO [moderator] Haunted by the Glitch: Technological Malfunction - Critiquing the Media of Innovation Joseph Gilling	
10:45	15'	10:45	15'
Defining an open source CAD workflow for experimental music and media arts Nicolò Merendino, <i>et al.</i>		ART TECHNOLOGY - A new digital adventure Isabelle Ribaldo, <i>et al.</i>	
11:00	10'	11:00	10'
Participation in linear and interactive documentaries towards Human-Nature interaction Carolina Dias, <i>et al.</i>		Algorithmic Experiments in the Design of Brutalist Web Pages José Rebelo, <i>et al.</i>	
11:10	15'	11:10	15'
INCORPoreal: Introspection and Memories of a Creative Process Verena Kael		Portable Interactive Meditation Mirror: A Novel Approach of Mindfulness Practice Through Art and Technology Hung Keung	
11:25	15'	11:25	15'
The writing expanded by gesture. The Design and Art's approaches in contact with Deaf culture and sign languages Marcelo Ribeiro, <i>et al.</i>		Balletic VR: Integrating Art, Science, and Technology for Dance Science Education Julie Choi, <i>et al.</i>	
11:45 - 12:00	COFFEE BREAK		
12:00	15'	12:00	15'
S21 MIRIAN TAVARES [moderator] Crypto Art, Aesthetic Techno-Hybridism and Artificial Intelligence Alberto Semeler, <i>et al.</i>		S22 ISABEL AZEVEDO [moderator] An Evolution of Media Arts: The Media Arts scene in Malaysia Rini Zuhairi, <i>et al.</i>	
12:15	15'	12:15	15'
Projeto: Cerrado: Unfolding Spaces Anésio Neto, <i>et al.</i>		"Nina-nina-não" or "Menina-banana": Existence equal to the fragility of stuffed gulls, in five minor ways of acting Simone Reis	
12:30	15'	12:30	15'
Water, sustainability and poetics in the works of the cAt group Milton Sogabe, <i>et al.</i>		Study of the Compositional Rules of Design in Chaoshan Traditional House: a Computational Approach Filipe Afonso, <i>et al.</i>	
12:45	15'	12:45	15'
The dramaturgy of Immersion. Challenges and Powers of Network Technology for the Performing Arts Ivani Santana		Preliminary Investigations in the Construction of Transformational Prostheses Monica Tavares, <i>et al.</i>	

### 13:00 - 14:00 LUNCH

### TEATRO AVEIRENSE AUDITORIUM

14:30 - 16:30 Sustainable Solutions for our City, our Planet and beyond  
Mathis Wackernagel | Jaime Cavalcante Alves | Celso Prudente | Carlana Ficano  
Sara Moreno Pires [moderator]

### CENTRO DE CONGRESSOS DE AVEIRO

16:45	15'	16:45	15'
S23 ADÉRITO F. MARCOS [moderator] Dramaturgy of the BodyImage in Digital Dance: first statements Dorotea Bastos, <i>et al.</i>		S24 MIRIAN TAVARES [moderator] The complexity of a nanoscale poetics Cristina Costa, <i>et al.</i>	
17:00	15'	17:00	15'
Soft Circuits in Traditional Embroidery: Reinventing an Imaginary for Sustainability Teresa Barradas, <i>et al.</i>		The Crystallization of Landscape - Albano Afonso and Rio de Janeiro Botanical Garden Maria de Fátima Lambert	
17:15	10'	17:15	10'
Full-Body Interaction in a Remote Context: Adapting a Dance Piece to a Browser-Based Installation Raul Masu, <i>et al.</i>		Orbital Eccentricity: Sound performance, using commercial and military satellites with real time tracking data Hugo Paquete, <i>et al.</i>	
17:25	15'		
Videogames as a tool for energetic and environmental awareness: state of the art and possible strategies Daniel Prieto, <i>et al.</i>			
17:45 - 18:00	CLOSING SESSION - ARTECH 2021		
18:30 - 19:30	SOCIAL PROGRAMME		