



GA2021 – XXIV GENERATIVE ART CONFERENCE
Cagliari, Italy, 15,16 and 17 December 2021
at Museo Archeologico Nazionale
organized by Celestino Soddu and Enrica Colabella
Generative Art and Design Lab, Argenia, Roma
www.generativeart.com – www.gasathj.com

15 December 2021

9:00 - Paper Session at Art Gallery conference room of the Archaeological Museum
Celestino Soddu, Enrica Colabella, Italy, Chairs of Generative Art conference, **OPENING**
Celestino Soddu, Italy, Generative Art & Design Lab, Argenia, **ARGENTIA. LIVE ON MARS. INTERPRETING THREE THOUSAND YEARS OF HISTORY**
Enrica Colabella, Italy, Generative Art & Design Lab, Argenia, **THE GENERATIVEART OF FINITUDINESS**
Jack Ox, USA, Creative Director of Intermedia Projects Inc, Research Associate with the Center for Advanced Research Computing, UNM, Research Fellow at ART/SCI Lab, ATEC, University of Texas, Dallas, **DATA FROM DADA: MAPPING KURT SCHWITTERS' SOUND-POEM, THE URSONATE, INTO A 73 SQUARE METER PAINTING**
Peter Beyls, Belgium, University College Ghent, The School of Arts, **TRILOBITE, A LEARNING ROBOTIC CREATURE USING DEEPPVISION**
David Upton, UK, Artist, **A SYSTEM FOR GENERATING COLOURS AND IMAGES USING 'ONE-TIME' CRYPTOGRAPHY**
11:00 - coffee break
11:30 - Paper Session at Art Gallery conference room of the Archaeological Museum
Chad Eby, USA, School of Art and Visual Studies, University of Kentucky, Lexington, KY., **AMONG BLACK BOXES AND MAZE-BUILDING RATS: REFLECTIONS ON ART MAKING WITH AUTONOMOUS RULES; AUTOMATIC CITIES**
Daniel Bisig, Ephraim Wegner, UK, Switzerland, Germany, Center for Dance Research, Coventry University, Coventry, United Kingdoms, Institute for Computer Music and Sound Technology, Zurich University of the arts, Zurich, Offenburg University, Offenburg, **PUPPETEERING AN AI - INTERACTIVE CONTROL OF A MACHINE-LEARNING BASED ARTIFICIAL DANCER**
Ahmed Abdulwahid Dhannoon Taha, Oday Qusay Abdulqader Alchalabi, Iraq, Department of Architecture Engineering, College of Engineering, University of Mosul, **THE USE OF THE MULTI-FRAMING MECHANISM IN THE FACADES OF ISLAMIC ARCHITECTURE**
Benjamin Storch, Australia, Sculpture Artist, Exploring Fields of Tension in VR
Hedy Hurban, UK, Department of Art, Design Architecture, University of Plymouth, **AN EXPLORATION OF SOUND, DIGITAL ART, PERFORMANCE, AND WEARABLE TECHNOLOGY INSPIRED BY TRADITIONAL WHIRLING DERSVISH MOVEMENT AND FLAMENCO DANCE**
13:00 - Lunch at the Sardinia typical restaurant
14:30 - Paper Session at Art Gallery conference room of the Archaeological Museum
Andre Kudra, Germany, AoC Initiative, Germany | Echtzeit – Digitale Kultur, Switzerland, **DEMOScene DARK MATTER – THE CULTURE THAT MAKES PEOPLE STAY IN THE SCENE**
Dragana Ciric, Serbia, University of Belgrade, **[EXO] BETWEEN THE SCIENTIFIC AND ARTISTIC METHODOLOGIES: OPERATING REGIMES, OR SOFT ARCHITECTURE OF THE INTEGRATIVE RESPONSIVE KINETIC SYSTEM**
Guillaume Rochais, France, ACCRA, Université de Strasbourg, **FROM CODE TO OBJECT: ISSUES, APPROACH, AND PROBLEMATICS OF THE REIFIED ALGORITHMIC ARTWORK; SIGNS (2018 - IN PROGRESS)**
Philip Galanter, USA, Department of Visualization, Texas A&M University, **THE ONTOLOGY OF GENERATIVE ART, INFORMATION, AND UNIVERSAL DARWINISM**
Anjika Verma, USA, Art Department, University of Wisconsin-Madison, Madison, Duet
Robert Spahr, USA, School of Media Arts, Southern Illinois University Carbondale, **DEFENDING UNCERTAINTY: THE CREATIVE PROCESS AND GENERATIVE ART; PERFORMANCE: OBJECTS, PERCEPTION AND TIME: THE PRESENT MOMENT AMPLIFIER AND THE COMING OF AUTO-GENERATIVE SYNTHETIC SOUND**
16:00 - coffee break
16:30 - Artwork session at the Exhibition Gallery of the Archaeological Museum
Angela Ferraiolo, USA, Visual and Studio Arts, Sarah Lawrence College, Bronxville, New York, **GA**
Binru Yang, Cody Tucker, Germany, Cluster of Excellence »Matters of Activity« Berlin; Max Planck Institute of Colloids and Interfaces, **TIME-FORM-PERFORMANCE - TESSELLATION DESIGN LAWS**
Caitlin E. McDonald, UK, Creative Informatics, University of Edinburgh, **PELICAN STAIRS: A WAPPING GREAT PANDEMIC MEMOIR**
Chad Eby, USA, School of Art and Visual Studies, University of Kentucky, Lexington, KY, **AUTOMATIC CITIES**
Celestino Soddu, Italy, Generative Art & Design Lab, Argenia, **META-TEMPORAL NURAGHES FOR THE HABITAT OF MARS**
Craig Jackson, Jeff Nilan, USA, Department of Mathematics and Computer Science Ohio; Wesleyan University, Delaware, OH, **DESCRIBING A COLLABORATIVE,**

INTERDISCIPLINARY UNDERGRADUATE COURSE ON GENERATIVE ART: PAST PRACTICE AND IDEAS FOR THE FUTURE
Dragana Ciric, Serbia, University of Belgrade, **[EXO] BETWEEN THE SCIENTIFIC AND ARTISTIC METHODOLOGIES: OPERATING REGIMES, OR SOFT ARCHITECTURE OF THE INTEGRATIVE RESPONSIVE KINETIC SYSTEM**
20:00 - Conference Dinner at typical Sardinia Restaurant

16 December 2021

09:00 - Paper Session at Art Gallery conference room of the Archaeological Museum
Daniel Larrain, Chile, Composer, PhD Candidate in Philosophy, Aesthetics and Art Theory, Universidad de Chile, **PROJECTING TEXT TO MUSICAL MATERIALS: MAPPING AS A CREATIVE PROCESS**
Irene Rousseau, USA, Artist, President American Abstract Artist, **NATURE AS A STRATEGY FOR PATTERN FORMATION IN ART**
Davide Prete, Sergio Picozzi, USA, University of the District of Columbia, The Catholic University of America, **FROM DIGITAL TO PHYSICAL: BEST PRACTISES TO 3D PRINT DIGITAL MODELS IN LARGE SCALE PHYSICAL MODELS**
Alain Lioret, France, Department of Arts et Technologies de l'Image, Paris 8 University, **QUANTUM GENERATIVE ART**
Christopher Fry, UK, Westminster School of Art, University of Westminster, **ENCOUNTERS WITH ERRORS: HOW THE ERROR SHAPES RELATIONSHIPS WITH DIGITAL MEDIA PRACTICE**
Artemis Moroni, Jonas Manzolli, C. Dezotti, E. Nascimento, T. Lacerda, G. Kuae, D. Gonçalves, M. Medicina, Brazil, Division of Cyberphysical Systems – CTI Renato Archer, Institute of Arts, University of Campinas, **RE-DRAWING CAMPINAS WITH DISC-RABISCO**
11:00 - coffee break
11:30 - Paper Session at Art Gallery conference room of the Archaeological Museum
Nicolas Reeves, J.M. Chomaz, V. Cusson, A. Despond, Canada, School of Design, University of Quebec in Montreal, Hydrodynamics laboratory, École Polytechnique, Paris-Saclay, Music & Technology, McGill University, Montreal, M.Sc. Env. Design, Montreal, **TECTONICS OF THE MISTS :SCULPTING THE VERY SUBSTANCE OF CLOUDS**
Stefanie Egger, Christian Lепенik, Austria, The Invisible Lab, Graz, **LINEARISATION OF NON-LINEAR PROBLEMS – CURATING A WRITTEN EXHIBITION**
Marie-Pascale Corcuuff, France, GRIEF, ENSAB, Rennes, **BACK TO SNOWFLAKES, AND BEYOND**
Liu Yi-yang Tyler, Finland, Department of New Media, Aalto University, Espoo, **ENDLESS, NAMELESS SCULPTURE: HACK THE CRAFTIVISM THROUGH AI**
Monika Karwaszewska, Beata Oryl and Michal Gary Garnowski, Poland, Stanisław Moniuszko Academy of Music in Gdańsk, **IN DANZIG. A CHOREOGRAPHIC INPHRASIS**
13:00 - Lunch at the Sardinia typical restaurant
14:30 - Paper Session at Art Gallery conference room of the Archaeological Museum
Dmitry L. Weise, Russia, Central Research Institute of Dental and Maxillofacial Surgery, Department of Radiation Diagnostics, Moscow, **PHYLLTOTAXIS IS NOT LOGARITHMIC**
Stephen M Campbell, UK, The Puzzle Factory, Salford, **THE PUZZLE FACTORY'S, GENERATIVE ART STUDIO**
Stig Møller Hansen, Denmark, Center for Design & Visual Communication, Danish School of Media and Journalism, Copenhagen, **PROGRAMMING FOR GRAPHIC DESIGNERS: BUILDING A PROJECT-BASED INTERACTIVE ONLINE TEXTBOOK AROUND VIDEO WORKED EXAMPLES**
Yan Bello Mendez, Spain, Creative Founder & AI Expert, SpaceMinds SL, Madrid, **USING GENERATIVE ART, DATA-STORYTELLING AND ARTIFICIAL INTELLIGENCE BASED GAMES AS EDUCATIONAL RESOURCES TO GENERATE AWARENESS ABOUT FALLS PREVENTION**
15:30 - Artwork, Poster Session at Art Gallery conference room of the Archaeological Museum
David Bouchard, Canada, New Media, Ryerson University, Toronto, **HIGHWAYS, A GENERATIVE MEDITATION ON THE GEOMETRY OF INTERCHANGES**
Irene Rousseau, USA, Artist, President American Abstract Artist, **NATURE AS A STRATEGY FOR PATTERN FORMATION IN ART**
J.R. Chang, USA, Department of Art and Design, University of Delaware, Newark, Delaware, **FISHTANK, FRAGMENTS AND WONDERFOREST**
Jim Bizzocchi, Canada, School of Interactive Arts and Technology, Simon Fraser University, Burnaby, **FLOW**
Regina Bittencourt, Chile, Interdisciplinary Artist, Math Art, Santiago, Hendeke: **MAKING ART USING MODULUS 11**
16:45 - coffee break
17:00 - Artwork, and Poster Session at Art Gallery room of the Archaeological Museum
Andrea Wollensak, Brett Terry, Bridget Baird, USA, Connecticut College, New London, CT, **ENVIRONMENTAL CRITICAL ZONES: READING THE WRACK LINES**
Anna Ursyn, Stuart Smith, USA, Computer Graphics, Digital Media University of Northern Colorado, Computer Science and Music, U Mass, Lovell, **ARTWORK FOR GA2021**
Brenikou, Greece, Polytechnic of Patras, Department of Computer Engineering & Informatics, Hellas, **BASE POLYGONS, TESSELLATIONS, APOPHENIA, PAREIDOLIA (WHAT IS "REAL" AND WHAT IS NOT ?)**
Anjika Verma, USA, Art Department, University of Wisconsin-Madison, Madison, **DUET**
Maria Mannone, Italy, European Centre for Living Technology, Ca' Foscari University of Venice; Department of Mathematics and Computer Sciences, University of Palermo, **VENETIAN DISTORTING MIRRORS**
Christine Ramsay, Canada, Department of Film, Faculty of Media, Art and Performance, University of Regina, **STUDIES IN ALUMINUM, STUDIES IN CLAY**
Curtis L Palmer, Canada, Edmonton, Alberta, **HARDWARE, SOFTWARE & WETWARE LIMITS TO POPULATING INFINITE ZOOS**
18:00 Round Table

17 December 2021

09:00 - Paper Session at Art Gallery conference room of the Archaeological Museum
Chin-En Keith Soo, Rowan Simmons, New Zealand, University of Waikato, Department of Design, **EBBE**
Nathan Matteson, Nicholas Kersulis, USA, School of Design, College of Computing and Digital Media, DePaul University, Chicago IL; Otis College of Art and Design, Los Angeles CA, **GOOD-FOR-NOTHING (NO. 2) AND GOOD-FOR-NOTHING (POURS)**
Aamina Karim Malik, Pakistan, House of AKM, **MEMORIES WITH SOUNDS**
Alp Tuğan, Turkey, Graduate School of Social Sciences, Özyeğin University, Istanbul, **LIBERATION OF THE MEDIUM: DECENTRALIZATION OF DYNAMIC GENERATIVE ART CREATIONS BY NFT MARKETPLACES**
Jan Paredeans, Belgium, University of Antwerp, **THE BEAUTY-DEGREE OF PARAMETERS IN GENERATIVE ART**
Nicolai Steino, Denmark, Aalborg University, Department of Architecture and Media Technology, **PARAMETRIC URBAN DESIGN AS A MEDIUM FOR THE ARTISTIC EXPLORATION OF URBAN SPACE AND FORM**
11:00 - coffee break
11:30 - Paper Session at Art Gallery room of the Archaeological Museum
Helena A. Verrill, UK, Warwick Mathematics Institute, **FRACTALS FROM TRUCHET TILINGS**
Henk Hietbrink, The Netherlands, independent researcher, Utrecht, **A VISUAL INTERPRETER FOR PRE-DEFFINED MUQARNAS UNITS**
Jeffrey M. Morris, USA, Department of Performance Studies, Texas A&M University, College Station, Texas, **THE MUSIC OF MACHINE MISREADING: MACHINE LEARNING ARTIFACTS AS SOURCES FOR ARTISTIC CONTENT AND CONTROL**
Sławomir Wojtkiewicz, Poland, Technical University of Białystok, Faculty of Architecture, Department of Visual Arts, **THE APPLICATION OF GENERATIVE DESIGN SYSTEM AND BIM IN THE SHAPING OF CONTEMPORARY RESIDENTIAL ARCHITECTURE DESIGN APPROACH; PERFORMANCE: THE LAND, THE CITY**
Tanmay Banerjee, Alain Lioret, John Bardakos, France, Team INREV / AI-AC Lab, Université Paris 8 Vincennes Saint-Denis, **re-proCesS.in_(g)_ene/Rate: [GENERATIVE PROPERTIES OF A LINE IN SYSTEMS ART & RELATIONAL AESTHETICS]**
13:00 - Lunch at the Sardinia typical restaurant
14:30 - Paper Session at Exhibition Gallery of the Archaeological Museum
Ben Baruch Blich, Israel, Multidisciplinary program in the Arts Faculty of the Arts, Tel Aviv University, **MODELING THE ARCHITECTURAL MODEL**
Joshua Holden, USA, Department of Mathematics, Rose-Hulman Institute of Technology, Terre Haute, IN, **STOCHASTIC SNARE DRUMS AND TRANSITION-MATRIX TOM-TOMS: COMPOSING ROCK DRUM KIT SOLOS USING STOCHASTIC PROCESSES**
Volodymyr V. Riznyk, Ukraine, Department of Automated Control Systems, Lviv Polytechnic National University, **GENERATIVE DESIGN UNDER THE INTELLIGENT MANIFOLD COORDINATE SYSTEMS**
Ela Krieger, Israel, Art Department, Oranim Academic College, Kiryat Tiv'on, **ON ARTISTIC AUTONOMY AND THE PATTERN IN JASPER JOHN'S SCENT (1973-1974)**
Erik Demeine, Martin Demeine, USA, Massachusetts Institute of Technology, Cambridge, MA, **MORE THAN WORDS: FONTS AS GENERATIVE ART**
16:00 - Artwork-poster session at the Exhibition Gallery of the Archaeological Museum
Guillaume Rochais, France, ACCRA, Université de Strasbourg, **FROM CODE TO OBJECT: ISSUES, APPROACH, AND PROBLEMATICS OF THE REIFIED ALGORITHMIC ARTWORK; SIGNS (2018 - IN PROGRESS)**
Oday Qusay Abdulqader Alchalabi, Ashraf Ibrahim Alhafude, Iraq, Department of Architecture Engineering, College of Engineering, University of Mosul, **THE ADAPTIVE RE-USED OF THE HISTORICAL ORNAMENTS IN THE SPACE**
Santo Leonardo, Italy, ICT Manager / Generative Artist, **UNPREDICTABLE ENDLESS VARIATIONS GENERATED BY HARD MATH PROBLEMS**
Arne Eigenfeldt, Canada, School for the Contemporary Arts Simon Fraser University, Vancouver, **THE NEW NORMAL**
Aperitif
17:00 - Live Performance Session at Art Gallery room of the Archaeological Museum
Enrica Colabella, Celestino Soddu, Nicola Baroni, Franco Melis, Italy, Generative Art & Design Lab, Argenia, Milan Conservatory, **OVER THE STONES OF FINITUDINESS**
Kathryn Ricketts, Angela Ferraiolo, Arne Eigenfeldt, Canada, USA, Faculty of Education, University of Regina, Regina; Visual Arts Faculty, Sarah Lawrence College, New York; School for the Contemporary Arts, Vancouver, **BLOMSTER - THE HUMAN GARDEN**
Beata Oryl, Michal Garnowski, Poland, Stanisław Moniuszko Academy of Music in Gdańsk, **IN DANZIG. A CHOREOGRAPHIC INPHRASIS**
Mark Zanter, USA, Marshall University, School of Music, **RETRACEMENTS**
Kathryn Ricketts, Scott Morgan, Canada, Faculty of Education, University of Regina, **RECOLLECTIONS WORN**
Robert Spahr, Jay Needham, USA, School of Media Arts, Southern Illinois University Carbondale, **OBJECTS, PERCEPTION AND TIME: THE PRESENT MOMENT AMPLIFIER AND THE COMING OF AUTO-GENERATIVE SYNTHETIC SOUND**
Barbara Loi, Italy, poet, **POEMS IN SARDINIA LANGUAGE**
Sławomir Wojtkiewicz, Poland, Technical University of Białystok, Faculty of Architecture, Department of Visual Arts, **THE LAND, THE CITY**