

RISE IMET 2021

International Conference on Emerging Technologies and the Digital Transformation of
Museums and Heritage Sites

Wednesday, 02 Jun

All times are displayed in Central European Summer Time (CEST)

Wednesday, 02 Jun

- 10:00 - 10:30 **Opening / Welcome**
Opening: Yiorgos Chrysanthou, Research Director, CYENS
Welcome: Theopisti Stylianou-Lambert and Maria Shehade, RISE IMET Chairs
- 10:30 - 11:30 **Keynote Speech: Computational museology: 'whole of environment' encoding**
Sarah Kenderdine
Laboratory for Experimental Museology (eM+), École Polytechnique Fédérale de Lausanne (EPFL)
- 11:30 - 12:00 Break
- 12:00 - 13:30 **Participatory Approaches, Crowdsourcing and New Technologies**
Chair: Angeliki Chrysanthi, University of the Aegean
- 12:00 Participation in cultural heritage hackathons: 'carsharing' between 'meaningful nonsense' and 'unromantic' networking
Franziska Mucha, University of Glasgow
- 12:15 The shaping of memory and identity through digitised photographs of institutional repositories
Myrto Theocharidou, Cyprus University of Technology
- 12:30 The Fragility of Museum Social Media Practices
Cassandra Kist, University of Glasgow
- 12:45 Storybase: towards Cultural Transformation Driven by Design
Violeta Tsenova, Newcastle University
- 13:00 Q & A
- 12:00 - 13:30 **Emerging Technologies and Visitor Engagement in Museums and Heritage Sites**
Chair: Giorgos Papaioannou, Ionian University
- 12:00 On digital interactions and visitor engagement
Giasemi Vavoula, University of Leicester
- 12:15 Trails of Walking- Ways of Talking: The Museum Experience Through Social Meaning Mapping
Dimitra Christidou, Norwegian University of Science and Technology
Luise Reitstätter, University of Vienna
- 12:30 Adoption and Impact of Digital Ecomuseum in Cities: Insights from the Pros-Eleusis evaluation activities
Yannis Pappas, Mentor in Culture & Heritage
Leonidas Argyros, Mentor in Culture & Heritage
Despoina Tsiafaki, Institute of Language and Speech Processing
Maria Boile, "ATHENA" Research and Innovation Center
Panagiotis Gkiokas, Mentor in Culture & Heritage
Natasa Michailidou, "ATHENA" Research and Innovation Center
Vassilis Kourtis, "ATHENA" Research and Innovation Center
Akrivi Katifori, "ATHENA" Research and Innovation Center
- 12:45 Why is this exhibit digital? – dimensions of digital exhibits in the museum space
Pille Runnel, Estonian National Museum
Pille Pruulmann-Vengerfeldt, Malmö University
Krista Lepik, University of Tartu
- 13:00 Q & A
- 13:30 - 14:30 Lunch Break

- 14:30 - 15:30 **Keynote Speech: The collection is dead; long live the collective**
Nancy Proctor
Director, The Peale Center for Baltimore History and Architecture
- 15:30 - 16:00 Break
- 16:00 - 17:30 **Digital Storytelling for Cultural Heritage Interpretation**
Chair: Katherine Burton Jones, Harvard University Extension School
- 16:00 Place-based Digital Storytelling. The interplay between narrative forms and the cultural heritage space
Angeliki Chrysanthi, University of the Aegean
Akrivi Katifori, National and Kapodistrian University of Athens
Maria Vayanou, National and Kapodistrian University of Athens
Angeliki Antoniou, University of West Attica
- 16:15 REVAthens: Bringing Athens of the Revolution to life through museum theatre methodology and digital gamification techniques.
Yannis Stoyannidis, University of West Attica
Andromache Gazi, Panteion University of Social and Political Sciences
Ilias Marmaras, Personal Cinema Greece
Foteini Venieri, Panteion University of Social and Political Sciences
Thodoris Giannakis
Yannis Scoulidas, Personal Cinema Greece
Stewart Ziff, Personal Cinema Greece
- 16:30 Bridging Past and Present: A Case Study of Creating and Deploying a Historical Character to Engage Audiences through AR and VR
Julee Decker, Rochester Institute of Technology
Amanda Doherty, Rochester Institute of Technology
Joe Geigel, Rochester Institute of Technology
Gary Jacobs, Rochester Institute of Technology
- 16:45 The (too) Reliable Narrator. Studying the impact of AI on visitors' narratives
Valentina Vavassori, King's College London
- 17:00 Q & A
- 16:00 - 17:15 **Mobile Applications and Gamification for Cultural Heritage**
Chair: Panagiotis Charalambous, CYENS Centre of Excellence
- 16:00 Interdisciplinary design of an educational applications development platform in a 3D environment focused on cultural heritage tourism
Konstantinos Kotsopoulos, University of Patras
Julia-Anna Sharamyeva, University of Athens
Stavros Vlizon, Ionian University
- 16:15 Que.St: game design strategies as a tool for promoting cultural heritage of Saint - Petersburg
Lada Maksimova, ITMO University
Antonina Puchkovskaya, ITMO University
- 16:30 Emerging technologies for learning at a cultural heritage site: The design of the CompARE mixed reality gamified learning environment
Eleni Kyza, Cyprus University of Technology
Markos Souropetsis, Cyprus University of Technology
- 16:45 Q & A

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Thursday, 03 Jun

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- 10:30 - 11:30 **Keynote Speech: Being Ethical in Digital Cultural Heritage Practice**
Jenny Kidd, School of Journalism, Media and Culture, Cardiff University
- 11:30 - 12:00 Break
- 12:00 - 13:30 **Galleries, New Technologies and Art**
Chair: Alexandra Bounia, University of the Aegean
- 12:00 Curating networked objects: the mediation of contemporary art digitizations online
Stephanie Bertrand, ICS-FORTH, Heraklion and Milieux Institute for Arts, Culture & Technology at Concordia University, Montreal
- 12:15 Virtual Art Viewing for Education and Learning (VAVEL): A tool for automatic Virtual Art Space creation for students and artists
Joshua Siegel, Michigan State University
Vicky Karaiskou, Open University of Cyprus
Georgios Pappas, Open University of Cyprus and Michigan State University
- 12:30 Artwork Recognition Using Wearable Cameras: Methodologies, Challenges and Potential Uses
Zenonas Theodosiou, CYENS Centre of Excellence
Harris Partaourides, CYENS Centre of Excellence
Andreas Lanitis, Cyprus University of Technology / CYENS Centre of Excellence
- 12:45 Emerging technologies beyond museums
Vicki Triantafylloudi, Hyperco SA and Erasmus University Rotterdam
Trilce Navarrete Hernandez, Erasmus University Rotterdam
- 13:00 Q & A
- 12:00 - 13:30 **Digital Curation and Immersion in Museums**
Chair: Maria Shehade, CYENS Centre of Excellence
- 12:00 An Ontological Model for Digital Curation: Materiality, Aura & Virtuality
Stella Sofokleous, National and Kapodistrian University of Athens
- 12:15 Mapping sonic practices in museum exhibitions – An overview
Foteini Salmouka, Panteion University of Social and Political Studies
Andromache Gazi, Panteion University of Social and Political Studies
- 12:30 Generating "cultural heritage": multimedia displays and immersive experience in the early 20th and 21st centuries. Berlin's Pergamon Museum and Panorama exhibition
Annette Loeseke, New York University Berlin
- 12:45 Evaluation and Impact Assessment of Emerging Technologies for Museums and Heritage Institutions: Institutional and Organisational Learning
Areti Damala, Centre national de la recherche scientifique (CNRS)
Merel van der Vaart, WAAG
Dick van Dijk, WAAG
Pam de Sterke, WAAG
- 13:00 Q & A
- 13:30 - 14:30 Lunch Break
- 14:30 - 15:30 **Keynote Speech: Realistic Humans in Virtual Cultural Heritage**
Alan Chalmers
WMG, University of Warwick
- 15:30 - 16:00 Break

- 16:00 - 17:30 **Mixed Reality in Museums and Heritage Sites**
Chair: Paul Marty, Florida State University
- 16:00 Cultural Heritage Documentation: the case study of the Ottoman Bath in Apollonia, Greece
Stella Sylaiou, Aristotle University of Thessaloniki
Paschalis Androudis, Aristotle University of Thessaloniki
Maria Tsiapali, Ephorate of Antiquities of Thessaloniki City
Nikos Trivizadakis, Ephorate of Antiquities of Thessaloniki City
Dimitrios Ramnalis, GEOSENSE IKE
Vassilios Polychronos, GEOSENSE IKE
Vassilios Efopoulos, TESSERA S.A
Konstantinos Evangelidis, International Hellenic University
- 16:15 Visiting a Virtual Acropolis on the Immersive Web
Gunnar Liestol, University of Oslo
Jay Bolter, Georgia Institute of Technology
Maria Engberg, Malmö university
Colin Freeman, Georgia Institute of Technology
Blair MacIntyre, Georgia Institute of Technology
- 16:30 Augmented Reality for urban cultural heritage experiences: Lessons of a partly failed application.
Maria Engberg, Malmö university
- 16:45 XR checklist - what to consider when extending heritage
Roberta Bertini Viégas, Reinwardt Academy / Netherlands Institute for Sound and Vision
- 17:00 Q & A
- 16:00 - 17:30 **Emerging Technologies, Difficult Heritage and Affective Practices**
Chair: Hannah Turner, University of British Columbia
- 16:00 Emerging Technologies and the Advent of the Holocaust "Hologram"
Cayo Gamber, The George Washington University
- 16:15 The Atlas of Lost Rooms: Digitally Reconstructing Dark Heritage Sites in Ireland
Chris Hamill, Queen's University Belfast
- 16:30 Tangible and Embodied Interaction for Scaffolding Difficult Heritage Narratives
Areti Damala, Centre national de la recherche scientifique (CNRS)
- 16:45 Dimensions in Testimony: Affect, Holograms and New Curatorial Challenges
Elena Stylianou, European University Cyprus
- 17:00 Q & A

Friday, 04 Jun

- 10:30 - 11:30 **Keynote Speech: Mixing visual media for Cultural Heritage**
Roberto Scopigno
Director, ISTI-CNR, Pisa, Italy
- 11:30 - 12:00 Break
- 12:00 - 13:30 **Explorations on Digital Ethics, Inclusiveness and Authenticity**
Chair: Antigone Heraclidou, CYENS Centre of Excellence
- 12:00 Interactions for everybody!? On creating inclusive technologies and the generative potential of disability
Nicole Schimkus, University of Potsdam
- 12:15 Towards museum digital ethics: introducing, addressing, defining and measuring the Museum Digital Atmosphere
Sofia Paschou, Ionian University
Georgios Papaioannou, Ionian University
- 12:30 Ethical Considerations and Methods for Diversifying Representations of Cultural Heritage: A Case Example of the Swayambhu UNESCO World Heritage Site in Nepal
Bhikshuni Lozang Trinlae, University of Tartu
- 12:45 Development of Design Protocols in the Use of Virtual Reality for Cultural Heritage Representation
Gamaliel Domingo, De La Salle University Manila
- 13:00 Q & A
- 12:00 - 13:30 **Digital Heritage and Virtual Museums: New Approaches and Challenges**
Chair: Doros Polydorou, Cyprus University of Technology
- 12:00 Fusing Virtual Reality, Robots and Social Networking Technologies to Build the Virtual Museum of the Future: Towards a New Type of Community Based Cyber-Physical-Social Eco-System.
Lyuba Alboul, Sheffield Hallam University
Louis Nisiotis, UCLan University Cyprus
Martin Beer, Sheffield Hallam University
- 12:15 Virtual Dance Museums: the case of Cypriot folk dancing
Andreas Aristidou, University of Cyprus
Anastasiou Yiannakidis, University of Cyprus
Yiorgos Chrysanthou, University of Cyprus
- 12:30 An exploration on the quality of Cultural Heritage Communication in Digital Environments
Srushti Goud, University of Turin
Vincenzo Lombardo, University of Turin
- 12:45 Machine Learning and Museum Collections: A Data Conundrum
Lukas Noehrer, The University of Manchester
Jonathan Carlton, The University of Manchester
Caroline Jay, The University of Manchester
- 13:00 Q & A
- 13:30 - 14:30 Lunch Break
- 14:30 - 15:45 **Digitization, Documentation and Digital Representation of Cultural Heritage**
Chair: Andreas Lanitis, CYENS Centre of Excellence
- 14:30 Pioneering advanced recording technologies for post-earthquake-damage assessment and re-construction in Chilean heritage areas
Bernadette Devilat, Nottingham Trent University

- 14:45 Formalization of the “Immaterial Features” Conveyed by the Iconographic Cultural Heritage Entities
Gian Piero Zarri, Sorbonne University
- 15:00 On the new application of the photogrammetric method for the task of digitizing an object wave of a display full-color hologram
Anastasia Timoshenkova, Saint-Petersburg State University of Culture and Arts
Nikolay Balbekin, ITMO University
Tatyana Shlykova, Saint-Petersburg State University of Culture and Arts,
Nickolay Petrov, ITMO University
Ekaterina Rabosh, ITMO University
- 15:15 Q & A
- 14:30 - 16:00 **Workshop**
- 14:30 Revisiting what is on offer: nourishing blended inquiry learning in the galleries and beyond
Stamatina Anastopoulou, University of Leicester
Giasemi Vavoula, University of Leicester
Torhild Skåtun, Norwegian Museum of Science and Technology
- 16:00 - 16:30 Break
- 16:30 - 17:00 **Closing Remarks**
Chair: Theopisti Stylianou-Lambert, Cyprus University of Technology / CYENS Centre of Excellence
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Alan Chalmers, WMG, University of Warwick
Sarah Kenderdine, Laboratory for Experimental Museology (eM+), École Polytechnique Fédérale de Lausanne (EPFL)
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