



SCIENTIFIC COMMITTEE

- Marco Bellano**
Università degli Studi di Padova
- Sergio Della Sala**
University of Edinburgh
- Alessandro Faccioli**
Università degli Studi di Padova
- Cristina Formenti**
University of Groningen
- Rosamaria Salvatore**
Università degli Studi di Padova
- Christian Uva**
Università degli Studi di Roma Tre
- Axel Vogelsang**
Lucerne University of Applied Sciences and Arts

ORGANISING COMMITTEE

- Marco Bellano
- Simone Evangelista
- Giulia Lavarone
- Farah Polato



Co-funded by
the European Union
**Marie Skłodowska-Curie
Global Action**
"Figuring the Invisible:
Conventions and Tactics
in Animation for Science Outreach"



**INTERNATIONAL
CONFERENCE**

FIGURING THE INVISIBLE

ANIMATION AND SCIENCE OUTREACH IN
CONTEMPORARY AUDIO-VISUAL CULTURE

zoom ID: 872 2556 5918

The Conference is open to the public until seats last.
PhD students, Postdocs, Students and all people concerned
are invited to attend.





NOVEMBER 19 PRE-CONFERENCE EVENT

17:30 **Black Holes and Beyond: Peter Galison's Scientific Films**
Introduction by Marco Bellano
Complesso Beato Pellegrino
Via Beato Pellegrino, 28 (Room 9)

NOVEMBER 20

9:00 Opening - Official greetings

Giovanna Valenzano (Dean of the Department of Cultural Heritage)
Paola Dessi (President of the Degree Course in Theatre, Film,
Television and Media Studies)
Alessandro Faccioli (President of the Degree Course in Visual and
Performing Arts; Supervisor, MSCA FICTA SciO)
Rosamaria Salvatore (Full professor in History of Film and Film and
Psychoanalysis)
Chiara Anzolini, Fabio De Pascale (Spoke 7, NBFC - National
Biodiversity Future Center)
Valentina Mazzola (online) (President, ASIFA italia)
Marco Bellano (MSCA Global Fellow)

PANEL 1 - 9:30-10:55 COMMUNICATING THE "INVISIBLE" IN LIFE SCIENCES AND BEYOND

Chair: Sergio Della Sala (University of Edinburgh)

Denis Brotto (Università degli Studi di Padova)
*De Humani Corporis Fabrica: 1542-2022. An Inner Vision of the Human
Body*

Davide Benvenuti (ADM School of Art Design and Media Singapore)
*Validating Animation: Visual Storytelling to Enhance Retention and
Engagement in Demographic-Diverse Patient Cohorts*

Vincenzo Maselli (online) (Università degli Studi di Roma La
Sapienza); **Giulia Panadisi** (online) (Università degli Studi di Roma La
Sapienza)
*Dynamic Scientific Communication: The Experience of a Motion Design
Workshop*

BREAK

PANEL 2 - 11:20-12:35 THE ASTRONOMICAL INVISIBLE

Chair: Axel Vogelsang (Lucerne University of Applied Sciences and Arts)

Laurence Arcadias (Maryland Institute College of Art, Liverpool,
John Moores University, Transart Institute); **Robin Corbet** (University
of Maryland Baltimore County, NASA Goddard Space Flight Center,
Maryland Institute College of Art)
*Astro-animation Workshops and an Exploration of Visible and Invisible
Universes*

Sara Ricciardi (INAF Osservatorio di Astrofisica e Scienza dello Spazio
di Bologna); **Fabrizio Villa** - (INAF Osservatorio di Astrofisica e
Scienza dello Spazio di Bologna)
*Transducing the Invisible: Knowledge and Construction Knowledge
Process*

LUNCH

15:00-16:20

KEYNOTE - ANIMATING SCIENCE: BEYOND ILLUSTRATION

Peter Galison (online) (Harvard University)

Chair: Marco Bellano (Università degli Studi di Padova)

BREAK

PANEL 3 - 16:45-18:05 SCIENCE VISUALISATION FROM THEORY TO FICTION AND DOCUMENTARY

Chair: Martina R. Fröschl (University of Applied Arts Vienna)

Andres Montenegro (online) (Purdue University Fort Wayne)
*The Contemporary Technological Incarnation of the Phenomenological
Notion of the Visible and the Invisible of Maurice Merleau-Ponty's
Philosophy, Rendered Inside the Extended Reality Immersive Space*

Luca Malavasi (online) (Università degli Studi di Genova)
Christopher Nolan's Cinema: Visualizing the Unthinkable

Shannon Magri (online) (Università degli Studi di Bergamo)
*Palaeontology as a Playground: Visualizing the Origins of Life on Earth
with David Attenborough's First Life Immersive Experience*

18:30 **Igor Imhoff - Film Showcase**
Complesso Beato Pellegrino
Via Beato Pellegrino, 28 (Room 13)

NOVEMBER 21

9:00 European Research Council (ERC) Grants Info Session
Nicoleta Bazgan (European Research Council Executive
Agency ERCEA.B.5 - Social Sciences and Humanities)

9:30-10:50

KEYNOTE - AS OLD AS THE HILLS: USEFUL ANIMATION, PETROLEUM, AND PALAEOLOGY

Malcolm Cook (University of Southampton)

Chair: Cristina Formenti (University of Groningen)

BREAK

PANEL 4 - 11:15-13:00

EXPANDED IMAGINARIES OF THE ANIMATED "INVISIBLE": EDUCATIONAL, VIRTUAL, AURAL

*Chair: Sara Ricciardi (INAF Osservatorio di Astrofisica e Scienza dello
Spazio di Bologna)*

Marcos Valdes (Scientific Director, VIS- Virtual Immersions in
Science); **Alessia Lorenzi** (Digital Artist and User Experience Designer)
Animating Science from Quantum to Cosmic Scales

Nicola Orio (Università degli Studi di Padova)
Hearing the Inaudible

Martina R. Fröschl (University of Applied Arts Vienna)
Scrutinizing Visual Effects Declaration in Documentary Films

Rachel Landers (University of Technology Sydney)
*The Wonderful, Fluorescent, Massive World of Tiny, Invisible Things:
Creating Transformative Science Stories for Children*

LUNCH

15:30 **Astro-animation Workshop for students**
Hosted by Laurence Arcadias and Robin Corbet
Meeting Room, Biblioteca Beato Pellegrino (Via Beato
Pellegrino, 28)

16:15 **Optional guided tour of the Museo della Natura e
dell'Uomo** (Corso Giuseppe Garibaldi, 39)