

The Epistemic Functions of Vision in Science

Bergamo - October 2018, 10th – 12th

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Università degli Studi di Bergamo - Max Planck Institute for the History of Science, Berlin

Program

October, 10th

University of Bergamo – S. Agostino – Aula 1 ‘Walter Fornasa’

- 9.30-10.00 Welcome and Introduction – Inaugural speech of the Rector of the University of Bergamo
- 10.00-10.45 *Opening Lecture: The Mediatory Role of Images*
Jürgen Renn (Max Planck Institute for the History of Science, Germany)
- 10.45-11.15 *Coffee break*
- Transmission** – Chair: Niccolò Guicciardini (University of Bergamo)
- 11.15-12.15 *Vision on Vision: Early Modern Scientific Images on Cosmology Explored by Means of Second Order Images*
Matteo Valleriani (Max Planck Institute for the History of Science, Germany
Technische Universität Berlin, Germany)
Florian Kräutli (Max Planck Institute for the History of Science, Germany)
- 12.15-13.00 *The Illustrated Printed Page as a Tool for Thinking and Transmitting Knowledge. The Case of Renaissance Astronomical Books*
Isabelle Pantin (École Normale Supérieure de Paris, France)
- 13.00-14.30 *Lunch*
- 14.30-15.15 *Artistic “Libido” and Scientific Truth in 16th Century Woodcut Illustrations*
Magdalena Bushart (Technische Universität Berlin, Germany)
- 15.15-15.45 *Coffee break*
- 15.45-16.30 *Capturing, Modelling, Overviewing and Making Credible: The Functions of Visual at the Accademia del Cimento*
Giulia Giannini (University of Bergamo, Italy)
- 19.30 *Dinner*

October, 11th

University of Bergamo – S. Agostino – Aula 1 ‘Walter Fornasa’

- Transmission** – Chair: Franco Giudice (University of Bergamo)
- 9.30-10.15 *Visual Culture of University Knowledge: The Lecture Notebooks from Louvain and Douai (17th-18th centuries)*
Gwendoline de Mùelenaere (University of Louvain, Belgium)
- 10.15-11.00 *Nuclear Visions: Images and Epistemologies of the Planetary Crisis*
Giulia Rispoli (Max Planck Institute for the History of Science, Germany)
- 11.00-11.30 *Coffee break*

Transformation – Chair: Franco Giudice (University of Bergamo)

- 11.30-12.15 *No pueden la pintura de mi pluma y palabras dar tan particular razón [...] sin el pincel o dibujo, y aun con esto serían menester los colores. Images and Artifacts in the Invention of the Americas*
Elena Paulino Montero (UNED -Universidad Nacional de Educación a Distancia)
- 12.15-13.00 *Marcello Malpighi and His Observations of the Chick in the Egg*
Sietske Fransen (University of Cambridge, Great Britain)
- 13.00-14.30 *Lunch*
- 14.30-15.15 *The Transformations of Physico-Mathematical Visual Thinking: From Descartes to Quantum Physics*
Enrico Giannetto (University of Bergamo, Italy)
- 15.15-16.00 *Ethnoscience and the Representations of Space in the Time of Climate Change*
Elena Bougleux (University of Bergamo, Italy)
- 17.30-18.30 Walking tour of the Upper Town of Bergamo (with English-speaking guide)

October, 12th

University of Bergamo – S. Agostino – Aula 1 ‘Walter Fornasa’

Exploration– Chair: Elio Nenci (University of Milan, Italy)

- 9.30-10.15 *Theorizing Technology: Theōria, Diagram, and Artifact in Hero of Alexandria*
Courtney Ann Roby (Cornell University, USA)
- 10.15-11.00 *Visualising Biodata in the Laboratory. Image-makers, Practices and Reinvention in Magnetic Resonance Technology*
Silvia Casini (The University of Aberdeen, Scotland)
- 11.00-11.30 *Coffee break*
- 11.30-12.15 *Representing Experience in the Early Royal Society. The Case of Robert Hooke’s Micrographia (1665)*
Salvatore Ricciardo (University of Bergamo, Italy)
- 12.15-13.00 *Arguing from Appearance: The Numerical Reconstruction of Galactic Tails and Bridges*
Matthias Schemmel (Max Planck Institute for the History of Science, Germany)
- 13.00-14.30 *Lunch*
- 15.00-16.30 Visit to the Pinacoteca “Accademia Carrara”