

# Technological Revolutions and Art History

Thursday, March 11, 2021

The Frick Art Reference Library and The Museum of Modern Art

11:00 a.m. EST

## Welcome and Opening Remarks

Robert Kastler: Director Imaging & Visual Resources, Museum of Modern Art

11:05 a.m.

## Lightning Rounds I: Artificial Intelligence and Cultural Heritage Collections

### Convolution as Symbolic Form: Bias in AI and how Art History Can Help

Leonardo Impett: Assistant Professor, Department of Computer Science, Durham University

### From Digitization to Automated Condition Surveys

Damon Crockett: Principal Data Scientist, Yale University

### WIMSy: Toward AI and Machine Vision Approaches to Watermark Analysis

Paul Messier: Chair, Institute for the Preservation of Cultural Heritage, Pritzker Director, IPCH Lens Media Lab, Yale University

### AI and the Photoarchive

X.Y. Han: Ph.D. candidate in the Department of Operations Research and Information Engineering, Cornell University

Vardan Papyan: Assistant Professor in the Department of Mathematics, University of Toronto

John McQuaid: Photoarchive Lead, Frick Art Reference Library

### Visual Similarity and Artwork Identifiers for the Semantic Web

Lukas Klic: Head of Digital Humanities Research, I Tatti - The Harvard University Center for Italian Renaissance Studies

### From Image to Text: A Quick Tour of OCR

Sofia Ares Oliveira: Machine Learning Research Engineer

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11:55 a.m. Questions from the audience

12:05 p.m. Break

12:10 p.m. Lightning Rounds II: Visualizing and Preserving Art Historical Narratives

**The Civic and Creative Potential of Blockchain: Artworks, Artists, and Museums**

Nanne Dekking: Founder and CEO of Artory

Amy Whitaker: Assistant Professor of Visual Arts Administration, NYU, and long-time blockchain thought leader

Anne Bracegirdle: Head of Sales US Convelio, Co-Founder of Art & Antiquities Blockchain Consortium

**Ed Ruscha's Streets of Los Angeles Archive, a Digitization project**

Todd Swanson: Head of Getty Digital Imaging, J. Paul Getty Trust

**Constable's Clouds: Pictorial Naturalism 'Seen' by a Neural Network**

Elizabeth Mansfield: Professor of Art History and Head of the Department of Art History, Pennsylvania State University

James Wang: Professor of Information Sciences and Technology, Pennsylvania State University

Zhuomin Zhang: Ph.D. candidate in College of Information Sciences and Technology, Pennsylvania State University

12:45 p.m. Discussion and questions from the audience

12:55 p.m. Closing remarks

Louisa Wood Ruby: Head of Research, Frick Art Reference Library