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**THURSDAY FEBRUARY 19**

**Moderation: Friedrich Tietjen**

**9:30 INTRODUCTION**

Matthias Bruhn, Sara Hillnhütter, Stefanie Klamm, Friedrich Tietjen

**10:00 – 12:00 HYBRID MATTER**

Estelle Blaschke/Berlin: *Textual Photography: The Rise and Imaginary of Microfilm*

Jennifer Tucker/Middletown: *Going Viral: How Popular Media Changed Scientific Photography*

Kelley Wilder/Leicester: *Stereo Atlases as Hybrid Knowledge*

Commentary: Jens Schröter/Siegen

**12:00 Lunch Break**

**13:30 – 15:30 MEASURING WITHIN DISTANCE I**

Omar Nasim/Kent: *Photography and Hybrid Images in the History of Science: The Case of Astronomical Practice*

Charlotte Bigg/Paris: *The Carte du Ciel as Enterprise of Research into Photographic Techniques*

Helmut Völter/Leipzig: *Masanao Abe: The Movement of Clouds around Mount Fuji*

Commentary: Geoffrey Belknap/Leicester

**15:30 Coffee Break**

**16:00 – 17:30 MEASURING WITHIN DISTANCE II**

Sara Hillnhütter/Berlin: *Depicting History: Measuring Architecture by means of Photography as a Strategy against Time*

Michael Kempf/Cologne: *Photomapping between Image Noise and Navigational Knowledge: Theodor Scheimpflug's Balloon Aerial Photography*

Commentary: Luisa Feiersinger/Berlin

**18:30 EVENING LECTURE**

Jimena Canales/Urbana: *Recording Devices and the Fantasy of a World without Humans*

Moderation: Matthias Bruhn/Berlin, Afterwards: wine reception

**FRIDAY FEBRUARY 20**

**Moderation: Stefanie Klamm and Olga Smith**

**10:00 – 11:30 MEASURING THE HUMAN I**

Paula Muhr/Berlin: *The Photography-based Construction of Medical Knowledge in Relation to Hysteria*

Vera Dünkel/Berlin: *Beyond Retouching: Hans Virchows' Mixed Media and his Drawn X-Rays of the Chinese Foot*

Commentary: Franziska Kunze/Berlin

**11:30 Coffee Break**

**11:45 – 13:15 MEASURING THE HUMAN II**

Linda Bertelli/Lucca: *Étienne-Jules Marey: The Iconographic Migration and the Independence of the Image*

Beatrix Pichel/Leicester: *Between Science and Art: Chronophotography and Drawings as Research Tools in Physiology*

Commentary: Andrew Fisher/London

**13:15 Lunch Break**

### **15:00 – 17:00 MEASURING THE HUMAN III**

Dennis Improda/Hannover: *How Breath Turns into Light: Spirometric Measurements Using Instant Photography*  
Kathrin Friedrich/Berlin: *Translating Tumors: Images as Relations in Radiation Surgery*  
Anna Roethe/Berlin: *Hybrid Operatives: Multimodal Vision and Image Control in the OR*  
Commentary: Harry Rotert/Heidelberg

### **17:00 Coffee Break**

### **17:30 – 19:00 MEASURING THE HUMAN IV**

Herbert Justnik/Vienna: *Ethnology Makes itself and its Images*  
Sigrid Lien/Bergen: *Scrutinizing Lives and Bodies: Photography between Nation-building and Ethnology*  
Commentary: Ewa Manikowska/Warsaw

## **SATURDAY FEBRUARY 21 Moderation: Sara Hillnhütter and Stefanie Gerke**

### **10:00 – 11:30 GENERATING KNOWLEDGE: VISUALIZATIONS AND VARIATIONS I**

Sigrid Schulze/Berlin: *Seen from Above? Photographs of Terrain Models by Hermann und Adolph Schlagintweit 1854*  
Stefanie Klamm/Berlin: *Reconfiguring the Use of Photography in Archaeology*  
Commentary: Mirjam Brusius/Oxford

### **11:30 Coffee Break**

### **11:45 – 13:15 GENERATING KNOWLEDGE: VISUALIZATIONS AND VARIATIONS II**

Alexander Gall/Munich: *Retouching, Staging and Authenticity: Early Animal Photography and the Tradition of Popular Zoological Illustration around 1900*  
Alexander Streitberger/Louvain: *Embalmed Reality: Diorama, Photography, Taxidermy*  
Commentary: Felix Sattler/Berlin

### **13:15 Lunch Break**

### **14:30 – 16:00 GENERATING KNOWLEDGE: VISUALIZATIONS AND VARIATIONS III**

Dagmar Keultjes/Florence: *Hybrid Negatives: Techniques of Manipulating Paper and Glass Negatives 1840–1900*  
Friedrich Tietjen/Vienna: *Photography as a Form of Measurement*  
Commentary: Claudia Pfeiffer/Berlin

### **16:00 Coffee Break**

### **16:30 – 17:30 GENERATING KNOWLEDGE: VISUALIZATIONS AND VARIATIONS IV**

Andreas Meyer/Hamburg: *Particle Tracks: About Applications of Photography in Elementary Particle Physics*  
Moritz Queisner/Berlin: *Image-guided Vision: Hybrid Forms of Agency in Real-time Imaging*  
Commentary: Jochen Hennig/Berlin

### **17:30 Final Discussion**

**HYBRID PHOTOGRAPHY**  
**Intermedial Practices in Sciences and Humanities**

**FEBRUARY 19 – 21, 2015**

**HUMBOLDT-UNIVERSITÄT ZU BERLIN**

With the introduction of photographic processes the role of images in both the sciences and the humanities underwent a fundamental shift: Whereas the graphic images used before tended to aim at generalizing what they depicted, photography allowed for images that seemed free from human interference, and could thus be assigned properties of the depicted object itself. Consequently, these images became objects of scientific examination and perception. However they were—and still are—imbued with a medial hybridity as a variety of non-photographic manual and mechanical techniques have to be applied to produce photographs that are appropriate for their specific purposes: the objects often need to be staged for the picture; what is considered to be accidental and/or erroneous in the photograph is removed by retouching while other details may be enhanced; and for the reproduction in print the images have to be transferred to printing blocks with the help of manual or technical means. While images of more recent techniques such as sonography or magnet resonance imaging (MRI) can resemble photographic ones, generating them usually does not involve cameras or emulsions.

The conference *Hybrid Photography: Intermedial Practices in Sciences and Humanities* explores the territories where manual, graphic, photographic, and digital techniques interfere and interlace in the sciences and humanities. It operates on the assumption that when photography was introduced, it did not oust other methods of image production, but rather became part of ever more specialized and sophisticated technologies of representation. The epistemological break commonly set with the advent of photography in the 19th century has most probably been triggered by photographic techniques but certainly owes much to the availability of a plethora of hybrid media—media that influence the relation of sciences, humanities, and their methods and subjects.

Concept/Organization: Sara Hillnhütter, Stefanie Klamm, Friedrich Tietjen

Further information: <http://www.kulturtechnik.hu-berlin.de/hybride-fotografie>

Contact: +49 (0)30 2093-2397 / hybridphotography@gmx.de

Hosted by: Das Technische Bild. Institut für Kunst- und Bildgeschichte. Humboldt-Universität zu Berlin.

Venue: Humboldt-Universität zu Berlin

Unter den Linden 6, 10099 Berlin

Senatssaal (First Floor)

Credits: Tietjen Archives

