

## AHRC Observatory Networks Workshop 1, 6-8 December 2021, online via Zoom

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*This academic workshop is free and open to all but pre-registration is essential. Please send an email to Sally Archer ([sarcher@rmg.co.uk](mailto:sarcher@rmg.co.uk)) to receive the links.*

### **Day 1: Monday 6 December 2021, 14:00 – 17:00 UTC**

#### **14:00-14:10 UTC**

Welcome and overview by the PI (Louise Devoy) and Co-I (Rebekah Higgitt)

#### **14:10-14:45 UTC**

##### **Session 1: Defining observatory networks**

Panel discussion by the Project Academic Advisory Group:

- Ileana Chinnici, INAF Palermo (Italy)
- Omar Nasim, *Universität Regensburg* (Germany)
- Pedro Raposo, Adler Planetarium, Chicago (USA)
- Simon Schaffer, University of Cambridge (UK)

#### **14:45-16:00 UTC**

##### **Session 2: Parallel circles, diverging lives: comparing the histories of instruments based on the design of the Airy Transit Circle**

- Commentator: Jim Bennett, University of Oxford (UK)

##### **The Troughton & Simms meridian circle of the Royal Observatory of the Navy of San Fernando (Cádiz)**

Dra. Yolanda Muñoz Rey, University of Cádiz (Spain)

##### **The Troughton & Simms transit circle of the Royal Observatory, Cape of Good Hope**

Daniel Belteki, Royal Museums Greenwich (UK)

##### **Coimbra Astronomical Observatory Troughton & Simms circular meridian**

Vitor Bonifácio, Physics Department, Research Centre "Didactics and Technology in Education of Trainers", University of Aveiro (Portugal)

#### **16:00 UTC**

- End of day 1 programme
- Delegates are invited to stay and chat via Zoom afterwards

**Day 2: Tuesday 7 December 2021, 14:00 – 17:00 UTC**

**14:00-15:15**

**Session 3: How Photography Transformed the Modern Observatory**

- Commentator: Charlotte Bigg, Centre Alexandre-Koyré, Paris (France)

Space and Labour; Supply and Networks: How Photography Transformed the Modern Observatory

Omar Nasim, *Universität Regensburg* (Germany)

**The photographic bureaucracy of astronomy**

Kelley Wilder, De Montfort University (UK)

**The Global Networks of Dutch Astrophotography**

Chaokang Tai, *Universität Regensburg* (Germany)

**15:15-15:30**

**\*\*Screen break\*\***

**15:30-17:00**

**Session 4: Electronic imaging**

- Commentator: Patrick McCray, University of California Santa Barbara (USA)

**"The Law of Diminishing Returns" (J. Stebbins)**

David DeVorkin, Smithsonian Institution, National Air and Space Museum, (USA)

**James McGee and Television as an Aid to Astronomy**

Samantha M. Thompson, Smithsonian Institution, National Air and Space Museum (USA)

**From 2001 to the Pillars of Creation: The Development of CCDs**

Robert W. Smith, University of Alberta (Canada)

**The first observation of a black hole shadow**

Emilie Skulberg, Institute of Physics, University of Amsterdam and the Dutch Black Hole Consortium (Netherlands)

**Day 3: Wednesday 8 December 2021, 14:00 – 17:00 UTC**

**14:00-15:30**

**Session 5: Spotlight case studies**

- Commentator: Lee Macdonald, Royal Museums Greenwich (UK)

**Telegraphic and wireless networks**

Michael Kershaw, independent scholar

**New technologies, old networks? The Paris Observatory and the integration of atomic clocks into timekeeping after 1945**

Eckhard Wallis, Deutsches Museum (Germany)

**Eliminate the human factor. The automation of time determination at the Neuchâtel Observatory**

Julien Gressot, University of Neuchâtel (Switzerland)

**One collaboration, two Schmidt telescopes, and multiple mobilizations**

Susana Biro & Cristina Siqueiros, Universidad Nacional Autónoma de México (Mexico)

**15:30-15:45**

**\*\*Screen break\*\***

**15:45-16:30**

**Session 6: What can we learn about observatory networks from the material culture of instruments?**

- Commentator: Jon Agar, University College London (UK)

'In conversation with...' session with examples from historic observatory collections presented by:

- Ileana Chinnici, INAF Palermo (Italy)
- Louise Devoy, Royal Observatory, Greenwich (UK)
- Pedro Raposo Adler Planetarium, Chicago (USA)

**16:30-17:00**

**Session 7: General discussion and concluding remarks**

**\*\*End of Workshop 1\*\***