



From Stone Age to Space Age

Discussing Common Grounds in Archaeology & Astronomy

Leiden Global Interactions Seminar

24 – 26 February 2016 / Faculty of Archaeology, Room E.0.01, Leiden, The Netherlands

Organizers: Till Sonnemann (Faculty of Archaeology) & Pedro Russo (Leiden Observatory)

PROGRAMME

Schedule and confirmed contributors of the [Fac. of Archaeology](#) (Arch) and [Leiden Observatory](#) (STRW).

Wed. 24 Feb Faculty of Archaeology, Room E.0.01

Morning **Session A: Astronomical Heritage**

Chair: **Jan Kolen** (Arch)

- 9:15** Welcome by **Corinne L. Hofman** (Arch) & **Huub Röttgering** (STRW)
- 9:30** Introduction to the seminar by Till Sonnemann (Arch) & Pedro Russo (STRW)
- 9:45** Keynote-1-AH: **Juan Antonio Belmonte**, (Instituto de Astrofísica de Canarias), From the Astronomy and World Heritage Initiative to World Heritage & Astronomy.
- 10:30** *Coffee Break*
- 10:50** AH1: **Jesus Garcia Sanchez** (Arch): An Insight into the Iberian Peninsula Iron Age through Archaeoastronomy Research.
- 11:10** AH2: **Chen Chunhong** (Arch): Geometrical configurations of Chinese Cities
- 11:30** AH3: **Araceli Rojas Martinez Gracida** (Arch): Astronomy, Archaeology and Indigenous Heritage in Mexico.
- 11:50** AH4: **Wilfred H. van Soldt** (Hum): Mesopotamian Astronomy
- 12:10** *Forum & Discussion*
- 12:30** Lunch (will be provided)

Afternoon **Session B: Informal Education and Public Outreach**

Perspectives on Space and Cultural Heritage: Common Public Outreach

Chair: **Jos van den Broek** (Science Communication & Society)

- 13:30** Keynote-2-EP: **Dirk van Delft** (STRW/Boerhaave): Hidden in the Mud: the Oldest Dutch Telescope.
 - 14:15** *Coffee Break*
 - 14:30** EP1: **Tibisay Sankatsing Nava** (STRW & Arch): Universe Awareness – Cultural Astronomy as an Educational Tool
 - 14:50** EP2: **Eldris con Aguilar** (Arch): Educational practices in promoting awareness of indigenous heritage
 - 15:10** EP3: **Aris Politoupolous** (Arch) Archaeology and Computer Games
 - 15:30** EP4: **Audrey Korczynska** (STRW) Space, Islamic Heritage & Education
 - 15:50** *Forum & Discussion*

 - 18:00** Tour Sterewacht (Leiden Observatory - Visitor Centre)
- (until 20:00)
Borrel at [Café de Keyzer](#)



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Thu. 25 Feb. Faculty of Archaeology, Room E.0.01

Morning **Session C: Science and Technology**

Remote sensing, crunching numbers and seeing patterns: Use of big data

Chair: **George Miley** (STRW)

9:15 Keynote-3-ST: **Francesca Cigna** (British Geological Survey): Sensing Patterns Of Environmental Change, Geohazards And Anthropogenic Damage To Cultural Heritage With Space-Borne Radar Imagery.

10:00 Coffee Break

10:15 ST1: **Till Sonnemann** (Arch) Mars Face to Mud Face - Frequency And Spatial Resolution As Factors In Semi-Automatic Archaeological Remote Sensing.

10:35 ST2: **Peter Barthel** (RUG, NL): Interdisciplinary Science Perspective

10:55 ST3: **Frans Snik** (STRW): Astronomy Technology & Arts

11:15 ST4: **Jessica Flahaut** (CNES): Hyperspectral imagery on Earth, Mars & Moon

11:35 *Discussion & Forum*

12:30 Lunch (will be provided)

Afternoon **Session D: Academic Teaching**

Perspectives on Space and Cultural Heritage: Common Teaching goals

Chair: **Karsten Lambers** (Arch)

13:00 Keynote-4-AT: **Fred Spier** (U. Amsterdam): The Unpredictable and Unexpected History Of Big History at the University Of Amsterdam

13:45 *Coffee Break*

14:00 AT1: **Pedro Russo** (STRW): Research Communication as an Academic Topic

14:20 AT2: **Manuel May Castillo** (Arch): Maya Astronomy Revised

14:40 AT3: **Gráinne Costigan** (STRW): Astronomy and Medical Imaging

15:00 AT4: **Matthew Wilson**: Visual Representation and Methodology

15:20 *Forum & Discussion*

16:00 Tour van Steenis Building

19:00 Workshop Dinner (free for speakers, fee for Participants)

Fri. 26 Feb. Faculty of Archaeology, Room E.0.01

Morning **Workshop**

9:00 Keynote: **Mathieu Isidro** (SKA, UK): Shared Sky: Nurturing Collaboration Between 21st Century Astronomy & Traditional Indigenous Art

9:30 Working Groups:

- *Citizen Science Lab: Working with Data*
- How to strengthen the public awareness through combining strengths at Leiden University

10:30 Coffee Break

10:45 Working Groups

12:00 Conclusion of the seminar & Lunch

Sign up for each Session & Workshop individually:

<http://www.universiteitleiden.nl/en/events/2016/02/from-stone-age-to-space-age>