

**24 November**  
**10–16 (UK), online**



The **HISTORICAL**  
**METALLURGY**  
Society

## Programme

10:20 *Welcome*

10:30 Diya Mukherjee:

Learning, experience and experiment of ancient copper smelting technology with the reference to Harappan culture

10:40 Farhanath K:

Iron technology and its role in shaping socio-cultural dynamics in ancient India during the 1<sup>st</sup> millenium BC: A multifaceted perspective

11:00 Ivan Stepanov, Michael Brauns, Hannes Knapp, Anna Langgartner & Michael Geschwinde:

Provenance and manufacturing technology of iron catapult bolts as a reflection of the Roman iron supply chains at the Germanic limes

11:20 Fabio Spagiari:

On the tracks of the blacksmiths: Metallurgy tools of the Roman age from northern Italy

11:40 Sulaiman Ahmed Abiodun:

Iron metallurgy in Medieval and Post-Medieval Ile Ife, Nigeria: Recent excavation at Iyekere

12:00 *Break*

12:30 Simon Aumônier & Vanessa Cheel:

Mounted archaeometallurgical samples: Resin ageing effects and remounting for durability

12:40 Linn Nordvall:

Plano-convex copper ingots in Scandinavia: A methodological approach

12:50 David A. Scott:

Technical examination of a Lydian kline (bed): A unique example of Lydian sophisticated metallurgy

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- 13:00 Sabine Plummer & Victoria Sainsbury:  
Material analysis of metal inlays in ball-headed clubs from the Ashmolean Tradescant Collection
- 13:10 Evgeny Shnyr:  
Data science in the service of archaeology: Pinpointing the geographical source of ancient lead-containing metals using machine learning
- 13:30 Thomas Rose, Sabine Klein, Katrin J. Westner & Yiu-Kang Hsu:  
News from the GlobalID engine room
- 13:50 *Break*
- 14:20 Peter Bray & Philippa Walton:  
A new copper alloy chemical analysis project for the UK 1<sup>st</sup> Millennium AD, employing Microwave Plasma-Atomic Emission Spectrometry (MP-AES): REMADE, University of Reading
- 14:40 Malou Blank & Serena Sabatini:  
Copper in the Early Neolithic, a TRB flat axe from inland Western Sweden
- 14:50 Mathias Mehofer & Mario Gavranovic:  
Archaeometallurgical studies on the Bronze Age metal procurement on the western and central Balkan
- 15:10 Stephanie Aulsebrook:  
The complex lives of 'meaningless scraps': Reuse and upcycling at Late Bronze Age Mycenae
- 15:20 *Awards announcement and farewell*