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INTERNATIONAL CONFERENCE

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Contextualising Technical Innovations in Prehistory

24-26 Nov 2014

Max Planck Institute
for the History of Science

Organised by the TOPOI Group D6
ATLAS OF INNOVATIONS



MAX PLANCK INSTITUTE
FOR THE HISTORY OF SCIENCE



Deutsches Archäologisches Institut
ERASIEN-ABTEILUNG



Monday Nov 24th 2014

- 9.00 **Prof. Dr. Gerd Graßhoff** (Speaker of the Excellence Cluster TOPOI) *Greetings and Introduction*
- 9.20 **Prof. Dr. Svend Hansen, Prof. Dr. Jürgen Renn, Dr. Florian Klimscha**
Welcome and Introduction
- 9.30 **Prof. Dr. Miriam Haidle** (Senckenberg Forschungsinstitut, Frankfurt am Main / Universität Tübingen, Germany),
Palaeolithic Innovations and their Relation to the Evolution of Modern Human Beings
- 10.15 **Prof. Dr. Steven Shennan** (University College London, Institute of Archaeology, UK),
The Role of Technical Innovations in Models of Cultural Evolution
- 11.00 **Coffee break**
- 11.30 **Prof. Dr. Jürgen Renn** (Max Planck Institute for the History of Science, Berlin, Germany),
Technical Innovation as Extended Evolution
- 12.15 **Dr. Henny Piezonka** (Universität Greifswald, Germany),
The World's Oldest Pots: On the Dispersal of the Ceramic Innovation in Northern Eurasia since the Late Glacial period
- 13.00 **Lunch break**
- 14.30 **Prof. Dr. Reinhard Bernbeck / Prof. Dr. Susan Pollock** (Freie Universität Berlin, Germany),
Abstract Labor: An Innovation of Fourth Millennium Mesopotamia.
- 15.15 **Prof. Dr. David A. Warburton** (TOPOI Senior Fellow, Berlin),
Why innovate?
- 16.00 **Coffee break**
- 16.30 **Dr. Tim Kerig**, (University College London, Institute of Archaeology, UK),
Innovations in Cultural Systems of the 4th and 3rd Millennia BC in Europe
- 17.15 **Dr. Florian Klimscha**, (DAI Eurasien-Abteilung / TOPOI, Berlin, Germany),
Diffusion Processes and Autochthonous Evolutions in the Prehistory of Western Eurasia

Tuesday Nov 25th 2014

- 9.00 **Dr. Valentine Roux** (CNRS, Maison René-Ginouvès, Archéologie et Ethnologie, Préhistoire et Technologie, Nanterre, France),
Technical Innovations and Social Dynamics as Evolutionary Factors
- 9.45 **PD Dr. Martin Furholt** (Christian-Albrechts Universität zu Kiel, Institut für Ur- und Frühgeschichte, Germany),
Large-scale Networks and Innovations in 4th and 3rd Millennium Europe
- 10.30 **Coffee break**
- 11.00 **PD Dr. Barbara Helwing** (CNRS-Université Lyon 2, GHAT - Maison de l'Orient et de la Méditerranée Jean Pouilloux, France),
The Social Context of Innovations in Metal Working and Metal Use in Southwestern Asia
- 11.45 **Prof. Dr. Svend Hansen**, (DAI Eurasien-Abteilung, Berlin, Germany),
V. Gordon Childe and Innovation
- 12.30 **Lunch break**
- 14.30 **Prof. Dr. Christian Jeunesse** (Université Marc Bloch, Strasbourg, France),
Invention and Innovations in European Prehistory
- 15.15 **Prof. Dr. Barbara Mills** (University of Arizona, School of Anthropology, Tucson, Arizona, USA),
Technical Innovations in the American Southwest
- 16.00 **Coffee break**
- 16.30 **Dr. Randall William Law II** (University of Wisconsin-Madison, Department of Anthropology, Wisconsin, USA),
Interaction and Technical Innovations in the Indus Valley
- 17.15 **Dr. Gary Feinman** (The Field Museum, Chicago, Illinois, USA),
Cross-cultural Perspectives on Technical Innovations and their Connection to Social Inequality

Wednesday Nov 26th 2014

- 9.00 **Dr. Ann Brysbaert** (Universiteit Leiden, Faculteit Archeologie, Material Culture Studies, Leiden, The Netherlands)
Cross-craft Tradition and its Meaning for Technical Innovation. A Case-study from the 2nd Millennium
- 9.45 **Dr. Ianir Milevski** (Israel Antiquity Department, Jerusalem, Israel),
Modes of Production in the Copper Age of the Southern Levant. Techno-social Innovations during the 5th to 3rd millennia BC
- 10.30 **Coffee break**
- 11.00 **Dr. Heidi Köpp** (Universität Trier, Fachbereich Ägyptologie, Germany),
The Introduction and Development of Wheeled Vehicles in Ancient Egypt
- 11.45 **Dr. Olivier Buchsenschutz/Dr. Katherine Gruel** (CNRS, Laboratoire d'Archéologie Ecole Normale Supérieure, Paris, France),
Mapping Prehistoric Innovations in the Iron Age
- 12.30 **Lunch break**
- 14.30 **Dr. Jochen Büttner** (Max Planck Institute for the History of Science, Berlin, Germany),
The Emergence, Spread, and Impact, of Scales, Weights and Weighing in Protohistory
- 15.15 **Prof. Dr. Cheryl A. Makarewicz** (Christian-Albrechts Universität zu Kiel, Institut für Ur- und Frühgeschichte, Germany),
The Repurposed Domesticated: Animal Wealth, Herder Taskscapes, and the Emergence of Non-kinship based Institutions during the Pre-Pottery Neolithic B
- 16.00 **Coffee break**
- 16.30 **Prof. Dr. Peter Turchin** (University of Connecticut, Department of Ecology and Evolutionary Biology, Storrs, Connecticut, USA),
Testing Theories of Technological Evolution with a Massive Historical and Archaeological Database (SESHAT)
- 17.15 **Final Discussion**