

**UISPP COMMISSION 4**

**“Archaeological Methods and Theory:  
Formalization, quantification, mathematics and computerization”**

**1. Sessions organized by commission 4 during the XVIII° UISPP congress in Paris; 2018**

III.1 T      New advances in theoretical archaeology  
François Djindjian, Robert Whallon, Stephen Shennan

III.I CA      Big Data and archaeology  
Paola Moscati, François Djindjian

III.2 CA      Données 3D en archéologie et nuages de points denses : vers de  
nouveaux objets de recherche  
Laurent Costa, Aurelia Lureau, Rémi Méreuze

III.3 CA      Construire des référentiels partagés : Webmapping et archéologie  
Laurent Costa, Loup Bernard

**2. Sessions under the theme of the commission 4 or associated with other commissions**

II.1      Chasseurs-cueilleurs et agriculteurs face aux changements climatiques :  
adaptation et Développement durable / Hunter-gatherers and farmers faced with  
climate change : adaptation and sustainability  
François Djindjian and Luiz Oosterbeek

II.2      The impact of Upper Pleistocene climatic and environmental change on  
hominid occupations and landscape use (130-10 ka)  
William Davies, Philip Nigst

II.3      Systèmes agropastoraux et dégradations climatiques. Analyse intégrée des  
données archéologiques et paléoenvironnementales  
Christophe Petit, Michelle Elliott, Nicolas Bernigaud, Cyril Marcigny

II.4      Late Holocene Social and Climate Change in Arid and Semiarid Environments  
Mario Rivera, Rafael Goni

II.5      Climatic variability and societal responses during the Metal Ages in Europe  
and the Mediterranean (3000-300 BC)  
Davide Delfino, Dirk Brandherm, Plunkett Gill

II.6      Climato-geographical archeologies of the Americas  
Nora Flegenheimer, Eric Boeda, Julio Rubin, Christelle Lahaye

II.7 The role of climate in the transition from foraging to farming systems  
Valentina Caracuta

II.8 Dialogue between archaeology and environmental studies: the reading of time  
in intra-site and off-site sequences and its use for the building of historical scenarios  
Zoi Tsirtsoni, Catherine Kuzucuoglu, Philippe Nondédéo, Olivier Weller

IV.1 Old Stones, New Eyes? Charting future directions in lithic analysis.  
Shumon Hussain, Marie Soressi

IV.2 Becoming Specialists. From Imitation to Professionalism: A Palaeolithic to  
Neolithic Perspective.  
Olaf Joris, Javier Baena Preysler, Yoshihiro Nishiaki

IV.3 Apport des approches technologiques de la céramique à l'anthropologie et à  
l'archéologie des sociétés pré et protohistoriques - Contribution of the ceramic  
technological approaches to the anthropology and archaeology of pre and protohistoric  
societies  
François Giligny, Ekaterina Dolbunova, Louise Gomart, Alexandre Livingstone Smith

IV.4 Fire as an artifact: Advances in the study of Paleolithic combustion features  
Carolina Mallol, Christopher Miller, Mareike Stahlschmidt

IV.5 Earthen construction technology  
Annick Daneels

IV.7 La percussion lancée au Paléolithique : identification de son usage, types  
d'outils associés et étendue chronologique / The thrusting percussion during  
Palaeolithic: identifying its use, related tools, chronological length  
Laurence Bourguignon, Cristina Lemorini, Iluminada Orteg, Cyril Viallet

XXX.1 Interdisciplinary Methods of Research for Bronze and Iron Ages  
Funerary Monuments (3rd-1 Millennia BC)  
Valeriu Sirbu, Stefan Dan, François Djindjian

I-1. General session Techniques, méthodes et théorie de l'archéologie/ Theory,  
methods, techniques of Archaeology

### **3. Commission 4 : meeting, members and board**

A meeting of the commission 4 has been scheduled during the congress, Tuesday 5 of June  
2018, 13.00.

H. Kammermans has decided to resign from its position of vice-president of the commission. Paola Moscati is elected vice-president and Katalin Biro is secretary of the commission

Candidates to become new members of the commission are expected. Please send them to the board members of the commission

#### **4. Edition of the proceedings of the XVIII° UISPP congress**

For all organizers of sessions of the congress, please follow instructions given on the web site of the congress.

#### **5. UISPP journal**

The UISPP has decided to create a new peer review on line journal: “the Journal of the International Union for Prehistoric and Protohistoric Sciences”.

The first issue 2018 has been edited. Thanks to members of the commission who have contributed to the volume. Papers are welcome for the 2019 issues.

#### **6. 2019 UISPP EC Meeting**

The 2019 UISPP meeting of the executive committee is scheduled in Timisoara, 26-29 of September 2019.

#### **7. Commission Conference 2019**

The XIX° UISPP congress will be held in Meknes (Morocco), September 2020.

The 2019 conference of the UISPP commission 4 will be joined with the ISKM conference in Budapest (12th International Symposium on Knappable Materials), from 18 to 22 of November 2019.