

Workshop

“Bridging the Gaps: (Ancient) History from the Perspective of Mathematical and Computational Modelling and Network Analysis”

Brno, Czech Republic, 13-14 November 2015

Venue: Open Gardens, [33 Údolní street](#)

Thursday, 12th November 2015

19:00- Unofficial social event, venue: [Restaurant U Čápa, 10 Obilní trh](#) (at own expense)

Friday, 13th November 2015

9:00-9:45 **Registration and Refreshment**

9:45-10:00 **Workshop Opening**

10:00-11:00 **Keynote Lecture I**

Ken Kahn, “Lessons Learned from Simulating a Splinter Group of a Sect in Papua New Guinea and the Spanish Flu Pandemic”

11:00-11:30

Justin Lane, “Religious Networks *in situ* and *in silico*”

11:30-13:30 **Lunch Break (at own expense)**

13:30-14:30 **Keynote Lecture II**

Johannes Preiser-Kapeller, “The Complex Mediterranean: Networks, Diffusion and Social Dynamics in the Pre-Modern Period”

14:30-15:00

Alžběta Danielisová & Kamila Štekerová, “Exploration of Prehistoric Settlement Networks using Graph Searching Algorithms in NetLogo: A Systematic Approach”

15:00-15:30

Andreas Duering, “The Archaeological Paradox. Problems of Interpreting Artefact Data from Cemetery Samples and a Way Out Using Agent-based Modelling Software”

15:30-16:00 **Coffee Break**

16:00-16:30

František Kalvas, “Religious Collective Memory as a Process: Agent-Based Model”

16:30-17:00

Frederik Elwert, “The Inner Worlds of Religious Literature: A Social Network of the *Mahābhārata* and its Semantics”

17:00-17:15 **Short Break**

17:10-18:15

Clemens Beck & Christian Knüpfer, “From Sources to Data to Knowledge: A Knowledge Base for the Study of the German Society around 1200”

Poster Session (not GEHIR research projects)

Jan Škvrňák, “Social Network of the Impoverished Nobility in Late Middle Ages”

Karel Vaculík & Luboš Popelínský, “Mining in dynamic graphs”

19:00 **Social Event** (all participants), venue: [Café Atlas, Žerotínovo náměstí 6.](#)

Saturday, 14th November 2015

9:00-10:00 **Keynote Lecture III**

István Czachesz, “Modeling Religions Past”

10:00-10:30 **Coffee Break**

10:30-11:00 **GEHIR project: General Introduction**

Tomáš Hampejs & Vojtěch Kaše, “Bridging the Gaps with GEHIR”

11:00-12:00 **GEHIR Four Case Studies: Historical Context and Research Questions**

Aleš Chalupa, “Origins of the Roman Cult of Mithras: From Asia Minor to Rome and Back Again”

Tomáš Glomb, “Directions for the Gods: Key Factors Influencing the Early Spread of the Isiac Cults”

Dalibor Papoušek, “Jewish and Non-Jewish Networks in the Spread of Early Christianity: A Case of the Marcionite and Lukan Christianity”

Vojtěch Kaše, “Quantifying Christianization of the Roman Empire: Modelling Diffusion on the Mediterranean Urban Settlement Network”

12:00-14:00 **Lunch break** (at own expense)

14:00-15:00 GEHIR project: Research Issues I

Aleš Chalupa, Tomáš Hampejs & Tomáš Glomb, “Coding Historical Evidence - Transforming Catalogues to “Data”

Zdeněk Stachoň, Adam Mertel & Tomáš Glomb, “GIS for History”

15:00-15:15 Short Break

15:15-16:15 GEHIR project: Research Issues II

Zdeněk Pospíšil & Dalibor Papoušek, “Discrete Diffusion Equations: An Abstract Model of Spreading of Anything”

Jan Fousek & Eva Výtvarová, “Networked History”

16:15-16:45 Coffee Break

16:45-18:15 General Discussion: Theoretical and Methodological Issues
(chair David Zbiral)

18:15-18:30 Closing Words

19:00- Unofficial Social Event, venue: Restaurant Tankovna, [10 Kounicova street](#)
(at own expense)

GEHIR Workshop places

