

Computer Applications in Archaeology Visegrad 2015
Conference in Cieszyn, Poland
28-29th of May 2015
Preliminary programme

Thursday 28th

Cieszyn Community Centre – Dom Narodowy

08:30 – 08:50	Conference opening
09:00 – 10:00	Stefano Campana (Cambridge University): Keynote address
10:00 – 10:20	Coffee break
10:20 – 12:20	Session I

Monika Stobiecka	<i>Modern archaeological documentation methods – perspectives and challenges. Case study based on Diamond Grant Project realised in Akrai, south-eastern Sicily</i>
Marek Barański	<i>Teraźniejszość i przyszłość przeszłości: multidyscyplinarna próba rekonstrukcji późnoneolitycznej organizacji przestrzennej stanowiska Çatalhöyük w Turcji</i>
Michał Pisz	<i>Aerial thermography and 3D Photogrammetry as one of the methods of prospection of the Roman sites – perspectives and results</i>
Grzegorz Kiarszys	<i>Three stories of fortified medieval settlements. A case study from district Góra, Lower Silesia Region, Poland</i>
Mikołaj Kostyrko, Dawid Kobiałka, Kornelia Kajda	<i>Forgotten landscapes of I WW - case study of POW camps in Poland, a remotesensing approach</i>

12:20 – 14:20	Lunch break
14:20 – 15:00	Roundtable discussion – conveyors Peter Pavuk, T.B.A.
15:00 – 17:00	Session II

András Patay-Horváth	<i>Master-hand Attributions of Classical Greek Sculptors by 3D-Analysis at Olympia - Some Preliminary Remarks</i>
Tatiana Votroubeková	<i>From 3D recording to virtual reconstruction: A case study of The Tomb of the Siren</i>
Bogdan Bobowski	<i>Osadnictwo górskie w Karkonoszach – wykorzystanie metody skaningu optycznego na potrzeby dokumentacji archeologicznej</i>
Alexandra Rášová, Tibor Lieskovský, Mojmír Choma, Peter Maliarik	<i>Visibility analysis with unknown, uncertain, or variable parameters: a preliminary case study of Tematin castle</i>
Vojtěch Nosek	<i>How to preserve 3D models and their metadata as individuals and complexes</i>

17:00 – 17:30	National chapter annual general meeting
19:00	Conference dinner

Friday 29th

Museum of Cieszyn Silesia

09:00 -11:00 Session III

Mikołaj Kostyrko, Kasper
Hanus, Wojciech Ostrowski,
Włodzimierz Rączkowski

*Restless landscape in perspective of viewshed analysis -
problems and interpretations*

Katalin Tolnai

Centre and periphery in Medieval Pilis – a GIS-based approach

Michal Dyčka

Modus Operandi of the Antonine Wall

Mateusz Stróżyk

*Between barrows and landscape. A GIS approach to Tumulus
Culture burial mounds in the Krotoszyn Forest at the Silesia and
Great Poland borderland*

Gábor Mesterházy

*Least cost path networks in lowlands? Integrating socio-cultural
factors into predictive modelling*

11:00 – 11:30 Coffee break

11:30 – 13:00 Session IV

Barbora Weissová

*Reconstruction of Ancient Road System in Bithynia with a Micro-
regional Focus on Nicaea and its Hinterland (nowadays Iznik,
Turkey)*

Marek Hladík, Marian Mazuch,
Libor Kalčík, Lumír Poláček,
Roman Hadacz

*Od „milimetráku“ k tabletu. Pohľad na metodiku terénnej
dokumentácie a post-exkavačných analýz v Mikulčiciach (GIS,
Harrisove matice a štatistika*

Łukasz Banaszek

Work and travel in Wrześnica. An Early Medieval visualscape

13:00 – 14:30 Lunch break

14:00 – 16:00 Session V

Jan Kolář, Petr Kuneš, Mária
Hajnalová, Helena Svitavská
Svobodová, Martin Macek,
Peter Tkáč, Péter Szabó

*Large-scale databases, simulations and modelling as a way the
reveal past socio-environmental dynamics in Central Europe. A
multi-proxy case study from south-eastern Moravia (Czech
Republic)*

Milan Jindáček, Petr Krajča

*Hledání skrytých informací a souvislostí v archeologických
datech s využitím formální konceptuální analýzy*

Jacek Karmowski

*Architecture of the Eastern Kom at Tell el-Farkha. A 3D
Reconstruction*

Jozef Chajbullin Košťial,
Richard Olhava

Algorithms for topological sorting of directed acyclic graph

16:30 – 17:00 Conference ending and the farewell

Cieszyn Castle – small hall

09:00 – 11:00 Workshops on geophysical survey in archaeology – Artur Buszek

11:00 – 11:30 Coffee break

11:30 – 13:30 Workshops on digital technologies for trench-scale documentation – Andrzej
Gołembnik

Cieszyn Castle – large hall

09:00 – 11:00 Session VI

Robert Kuszinger	<i>New visualisation method for high resolution terrain models</i>
Jan Zachar, Marko A. Jankovič, Perica Špehar	<i>Image based modeling documentation of immovable cultural heritage - selective problems</i>
Máté Stibrányi, Gábor Mesterházy, Mihály Pethe	<i>The Pudding's Proof. Integrated Magnetometry Surveys for Preventive Archaeology in Hungary</i>
Kamil Niedziółka	<i>The prospect of digitizing Polish Archaeological Record. Practical problems on an example of Pomeranian Voivodeship</i>
Ján Čáni, Jelena Ambrožová	<i>Informační systémy o archeologických datech v NPÚ</i>

11:00 – 11:30 Coffee break

11:30 – 13:00 Session VII

Jan Hasil, Ivana Boháčová, Jaroslav Podliska	<i>Integrovaná informační systém archeologických pramenů Prahy (IIS_APP) – mezibilance</i>
Joanna Mardas	<i>Zagrožona przeszłość - wykorzystanie zobrazowań satelitarnych do oceny i monitoringu wpływu człowieka na zachowane stanowisk archeologicznych w dorzeczu górnego Chaburu</i>
Mikołaj Kostyrko, Lawrence Shaw, Kate Welham, Piotr Wroniecki	<i>Integration of remote sensing data - the case studie of cultural heritage managment</i>

13:00 – 14:30 Lunch break

14:00 – 16:00 Session VIII

Małgorzata Markiewicz, Justyna Kolenda	<i>Trójwymiarowa wizualizacja średniowiecznego pałacu biskupiego w Miliczu</i>
Tomáš Tencer, Dorota Zawadová	<i>Fotogrametrická dokumentácia kostola sv. Barbory, Karviná-Louky nad Olzou</i>
Tomáš Janek	<i>Morphometry of roman building terracottas</i>
Dominik Kurek, Michał Czarnik, Kamil Karski, Katarzyna Skowron, Tomasz Tokarczyk	<i>Badania archeologiczno-ekshumacyjne w miejscowości Zdziary, pow. Niżański</i>
Norbert Sandó, András Balogh, Balázs Szakonyi, Mátyás Végh	<i>Historical virtual reconstructions</i>

Książnica (Cieszyn Library)

9:00 – 10:00 Workshops databases in archaeology - Milan Jindáček

Poster session – location T.B.A.

Adam Lokš

Heritage omnipresent? Analyses of remains of the rural buildings in the cultural landscape of Lower Silesia

Petr Vavrečka, P. Květina, J. Unger, M. Končelová, H. Brzobohatá, R. Šumberová, I. Pavlů, J. Řidký, P. Burgert

„Rekonstrukce“ 3D archeologických rekonstrukcí. Význam prezentace a postprodukce 3D digitálního obsahu v roce 2015 na příkladu Virtuálního muzea Neolitu

Petr Vavrečka

3D model krajiny a podoby města Kutné Hory v 1. pol. 19 století. Vizuální a analytická 3D rekonstrukce historického města a možnosti její prezentace

Anna Pankowská, Moník Martin, Petra Spěváčková, Jiří Šneberger, Hana Kašparová

Do cremains leave chemical trace in grave infill? Empty urns as an evidence of symbolic funeral rite

Petra Spěváčková, Anna Pankowská, Petr Mudra, Hana Kašparová, Jiří Šneberger

Microexcavation of cremation burials using 2D and 3D methods for documentation

Barbora Weissová, Petra Tušlová

LCPA Applied on Prediction of Ancient Road System Connecting Yambol District (Bulgaria) with the Mediterranean

Lukáš Holata, Radek Světlík

Detailed Digital Terrain Models in the Research of Deserted Settlement: Hydrological Modelling and Environment of Settlement Areas

Marek Hladík, Mária Hajnalová, Jakub Tamašovič

GIS, predikčné modelovanie a štatistika pri výskume vývoja sociálnych a ekonomických vzťahov na strednom a dolnom Pomoraví vo včasnom stredoveku

Martin Kuna

Archaeological Atlas of Bohemia - a book & web

Alexandra Rášová, Renata Ďuračiová, Tibor Lieskovský, Mojmír Choma, Peter Maliarik

Stream network modelling in archaeology: a preliminary case study of Tematin castle surroundings

Kamil Adamczak, Łukasz Kowalski, Aldona Garbacz-Klempka

The earliest copper metallurgy in Poland: an interdisciplinary approach. A preliminary results

Łukasz Kowalski

Between chemometrics and archaeology: comparative study of the Iwno culture pottery (Chełmno land, Poland) using SEM-EDX and similarity analysis

Peter Tóth

Bod či plocha? Príspevok k analýze archeologických lokalít pomocou GIS a štatistiky

Katarzyna Kerneder-Gubała

Analiza przestrzenna osadnictwa z epoki kamienia w rejonie kopalni krzemienia czekoladowego w Orońsku

Petr Krištuf, Filip Prekop

Forgotten Landscape of Doupov Mountains