

**Computer Applications in Archaeology Visegrad 2015**  
**Conference in Cieszyn, Poland**  
**28-29<sup>th</sup> of May 2015**  
**Preliminary programme**

**Thursday 28<sup>th</sup>**

**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 – Archaeology vs (?) Technology, conveyors doc. Dr. Peter Pavúk, and prof. Dr. W. Rączkowski	
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	Coffee break	
17:30 – 18:30	National chapter annual general meeting	
Kasper Hanus (CAA Poland)		Three years of CAA PL: achievements, realities and expectations
Ladislav Šmejda (CAA Czech Republic/Slovakia)		Whither CAA CS? Looking back and looking forward
Elizabeth Jerem (CAA Hungary)		CAA Hungarian Chapter: past activities and future plans - A short overview
19:00	Conference dinner	

## Friday 29<sup>th</sup>

### Museum of Cieszyn Silesia

09:00 -11:00            Session III

Jan Bulas

*Geomagnetic prospection on the Iron Age settlement site in Michalowice, voiv. Swietokrzyskie*

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)*

Norbert Sandó, András Balogh,  
Balázs Szakonyi, Mátyás Végh

*Historical virtual reconstructions*

13:00 – 14:30            Lunch break

14:00 – 16:00            Session V

Łukasz Banaszek

*Work and travel in Wrześnica. An Early Medieval visualscape*

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)*

Jacek Karmowski

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

Łukasz Misk

*How integrated we have to be - a few remarks on the urban classical archaeology*

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

*New visualisation method for high resolution terrain models*

Jan Zachar, Marko A. Jankovič,  
Perica Špehar

*Image based modeling documentation of immovable cultural heritage - selective problems*

Máté Stibrányi, Gábor Mesterházy,  
Mihály Pethe

*The Pudding's Proof. Integrated Magnetometry Surveys for Preventive Archaeology in Hungary*

Kamil Niedziółka

*The prospect of digitizing Polish Archaeological Record. Practical problems on an example of Pomeranian Voivodeship*

Ján Čáni, Jelena Ambrožová

*Informační systémy o archeologických datech v NPÚ*

11:00 – 11:30

Coffee break

11:30 – 13:00

Session VII

Jan Hasil, Ivana Boháčová,  
Jaroslav Podliska

*Integrovaná informační systém archeologických pramenů Prahy (IIS\_APP) – mezibilance*

Joanna Mardas

*Zagrožona przeszłość - wykorzystanie zobrazowań satelitarnych do oceny i monitoringu wpływu człowieka na zachowane stanowisk archeologicznych w dorzeczu górnego Chaburu*

Mikołaj Kostyrko, Kate Welham,  
Lawrence Shaw, Adam Stanford,  
Piotr Wroniecki, Kasper Hanus

*Integration of remote sensing data - the case studie of cultural heritage managment*

13:00 – 14:30

Lunch break

14:00 – 16:00

Session VIII

Małgorzata Markiewicz, Justyna  
Kolenda

*Trójwymiarowa wizualizacja średniowiecznego pałacu biskupiego w Miliczu*

Tomáš Tencer, Dorota Zawadová

*Fotogrametrická dokumentácia kostola sv. Barbory, Karviná-Louky nad Olzou*

Tomáš Janek

*Morphometry of roman building terracottas*

Dominik Kurek, Michał Czarnik,  
Kamil Karski, Katarzyna Skowron,  
Tomasz Tokarczyk

*Badania archeologiczno-ekshumacyjne w miejscowości Zdziary, pow. Nizański*

## Poster session – Museum of Cieszyn Silesia

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. Řídký, 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 Tamaškovič

*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 Keneder-Gubała

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

Petr Krištuf, Filip Prekop

*Forgotten Landscape of Doupov Mountains*

Kasper Hanus, Giedre Motuzaitė Matuzevičiute, Mikołaj Kostyrko, Wojciech Ostrowski

*Stamping the land. The role of geoglyphs in past landscapes of Kostanay Region, Kazakhstan*

**Saturday 30<sup>th</sup>**

**Fieldtrip: historical Cieszyn and the early medieval hill-top fort in Chotěbuz**