

ARCHAEOLOGICAL PROSPECTION 2007 - PROGRAM

<i>TUESDAY, SEPTEMBER 11</i>	
12.00-20.00	Registration at the Congress Centre of the Slovak University of Agriculture
20.00-22.00	<i>Welcome Reception at the Congress Centre of the Slovak University of Agriculture</i>
POSTERS	
<i>AERIAL ARCHAEOLOGY/PROSPECTION</i>	
Ceraudo G./Catrianni L. Giacomo Boni: a Pioneer of the Archaeological Air Photograph	
Korobov D. S. Early Medieval Settlements in the Kislovodsk Basin (South of Russia): GIS, Aerial Photography and Geophysics	
<i>REMOTE SENSING, IMAGING AND GIS</i>	
Ako T./Kamei H. Circular Archaeological Survey Based on the GIS at the Sikiryu-site, Kagoshima, Japan	
Colosi F./Fangi G./Gabrielli R./Orazi R./Peloso D. Satellite Images and GIS for the Archaeological Park of Chan Chan	
Dovgalev A. Geoinformational Monitoring of Archaeological Monuments in the Stavropol Region	
Fossataro D. Geophysics and Geo-electrical Investigations Integrating the GIS of Iuvanum Survey Project	
Frînculeasa A./Frînculeasa M. Photogrammetry and Remote Sensing in Archaeology. Benefits and Limits	
Frînculeasa M./Frînculeasa A. Applications to Landsat Thematic Mapper Imagery in Geosciences Research (Special View to Geology and Archaeology)	
Merola P. Roman Centurie Reconstructed by Hyperspectral Remote Sensing	
Trebeleva G. V. Geoinformation System (GIS) of Archaeological Sites of Northeast Black Sea Coast	
<i>INTEGRATED PROSPECTION APPROACHES</i>	
Dabas M./Cassassolles X./Chemin M./Conte L./Favard A./Valet J. M./Simon F. X Integration of ARP and AMP for Rescue Archaeology: Example of a 50 ha Project	
Dernoga M./Herbich T./Pietrzak R./Rączkowski W./Święch D. Discovering Medieval Szamotuły (Wielkopolska Region): a Multidisciplinary Approach	
Dresler P./Milo P./Šešulka V. Magnetic Prospection of the Rampart of the Early Mediaval Hill-fort Pohansko by Břeclav	
Druzhinina O./Skhodnov I. Using Methods of Palaeogeography in the Field Archaeological Prospecting	
Gaffney Ch./Gaffney V./Cuttler R./Goodchild H./Kane S./Sears G. Magnetometer Survey at the Roman Town of Cyrene, Libya	
Gajdoš V./Hajach M./Pašteka R./Rozimant K. High Resolution Magnetometry and Resistivity Imaging in Archaeological Prospecting – Case Studies from the Territory of Slovakia	

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Garbuzov G./Toločko I. V.

The Greek Colony Tanais Case Study: Integrated Prospection Approaches

Haley B. S./Johnson J. K.

Mapping the Chickasaw with Integrated Magnetic Geophysics

Haynes I./Gaffney V./Lobb M./ Watters M./Wilkes S./Piro S./Zamuner D.

High-resolution Integrated Surveys in the Archaeological Site of St. John Lateran Basilica (Roma, Italy)

Piro S.

Application of GPR Investigations in the Urban Area of Forum (Roma, Italy)

Poreba A.

Electromagnetic, GPR and Resistivity Imaging Measurements for Studying the Loess Archaeological Site of Karmanowice (Poland)

Henning J./Ruttkay M./Eyub E.

Geomagnetic Prospecting of the Hill-fort of Pobedim (Slovakia)

Tirpák J./Rajtár J./Matei A./Scurtu F./Varsik V.

Geophysical Prospecting in Porolissum, Romania

PROCESSING, INTERPRETATION AND VISUALISATION OF PROSPECTION DATA

Bondar K./Virshylo I.

Archaeological Interpretation of Magnetometric Data Using 3D Magnetic Modelling Examples from Ukraine

Leckebusch J./Sütterlin H.

Large Scale GPR Surveys in Augst

TECHNICAL ASPECTS

Hulin G./Dabas M./Tabbagh A./ Tabbagh J./Thiesson J.

Feasibility of a Towed EM and Magnetic Device for Archaeological Prospecting

Křivánek R.

Possibilities and Limitations of Surveys by Caesium Magnetometers in Forested Terrains of Archaeological Sites

ARCHAEOLOGICAL FEEDBACK

Forstner-Müller I./Herbich T./Schweitzer Ch.

Surveying Ancient Cities in the Nile Delta: the Tell el-Dabca Case

Gondet S./Benech Ch.

Understanding of the Succession of Geomagnetic Anomalies Due to a Complex Defence System: the Case of Al-Rawda (Syria)

Gorka T./Fassbinder J. W. E./Lambers K.

Magnetometry on the Geoglyphs of Palpa and Nasca (Peru)

Kaneda A./Nishimura Y./Miyake Y./Shimoda J./Nezu H.

Geophysical Survey at Tokushima Castle in Japan

Kogawa K./Kamei H./Honda M./Nagase S./Kamimura D./Shinba K.

Integrated Geophysical Survey around Mt. Kaimondake, Japan – To Search an Original Location of Hirakiki Shrine

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WEDNESDAY, SEPTEMBER 12

9.00-9.30	Opening of the Conference
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Invited Paper

9.30-10.15	Otto Braasch Gallipoli ahead – Air Survey between Baltic and Mediterranean Sea
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10.15-10.45	Coffee break
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AERIAL ARCHAEOLOGY, REMOTE SENSING, IMAGING AND GIS

Session Chair:

10.45-11.00	Belinskiy A. Usage of Corona Satellite Images in the Creation of a Geo Information System (GIS), Archaeological Sites of the Stavropol Region
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11.00-11.15	Blažová E. The Quality of DTM with Respect to the Used Software and Definition of Input Data
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11.15-11.30	Dominici D./Del Guzzo F. The Use of Remote Sensing in Archaeology: the Example of Capestrano Project
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11.30-11.45	Gojda, M. Air survey and remote-sensed data analysis in Bohemia (CZ). A joint projects of the Institute of Archaeology, Prague and University of West Bohemia, Plzeň
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11.45-12.00	Horňák M./Stegmann-Rajtár S. Late Bronze Age Settlement in the Middle Nitra Region: Applicability of GIS Analyses
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12.00-12.15	Kuzma I./Lieskovský T. Analysis of Roundel Visibility in GIS
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12.15-12.30	Lasaponara R./Lanorte A./Coluzzi R./Masini N. On the Use of Satellite Imagery in Archaeological Context: a Comprehensive Review
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12.30-12.45	Masini N./Coluzzi R./Lanorte A./ Lasaponara R. Performance Evaluation of Edge Detection Algorithms for the Detection of Archaeological Features by Using Satellite Data
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12.45-13.00	Menozi O. GIS Project of the Cyrenaican Valleys (Libya)
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13.00-13.15	Discussion
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13.15-13.30	Short poster presentation - <i>AERIAL ARCHAEOLOGY,</i> - <i>REMOTE SENSING, IMAGING AND GIS</i>
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13.30-15.00	Lunch time
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INTEGRATED PROSPECTION APPROACHES

Session Chair:

15.00-15.15	Bogacki M./Małkowski W./Mikocki T./Misiewicz K./Muszyńska M. Multimethodological Approach to the Study of Ancient City Planning: the Case of Ptolemais
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15.15-15.30	Campana S./Piro S./Felici C. Integration between Different Remote-sensing Surveys to Characterise Aiali Archaeological Site (Grosseto, Central Italy)
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15.30-15.45	Drahor M. G./Kurtulmuş Ö. T./ Berge M. A./Hartmann M./Speidel M.A. Large-Scale Magnetic Imaging and Electrical Resistivity Tomography Studies in a Roman Military Installation Area in Zeugma Archaeological Site, Southeastern Turkey
15.45-16.00	Gallo D./Ciminale M./Becker H. Highly Integrated Non-Destructive Investigation for the Reconstruction of Ancient Sites
16.00-16.15	Discussion
16.15-17.00	Short poster presentation - INTERPRETATION AND VISUALISATION OF PROSPECTION DATA - TECHNICAL ASPECTS - INTEGRATED PROSPECTION APPROACHES - ARCHAEOLOGICAL FEEDBACK
17.30-19.45	Visit to the Agricultural Museum in Nitra
20.00	<i>Reception at the restaurant Západoslovenská koliba</i>
THURSDAY, SEPTEMBER 13	
<i>INTEGRATED PROSPECTION APPROACHES</i>	
Session Chair:	
9.00-9.15	Gondet S. Multi-scaled Approaches of a Renewed Survey Program into the Plain of Persepolis (Central Fars, Iran). Did Everyone Live in Palaces During Achaemenid Times?
9.15-9.30	Henning J./Ruttkay M./Eyub E./ Bednár P./Fotová E./Milo P./ Tirpák J./Kopčėková M./Daňová K. Archaeological Research and Geophysical Exploration at the Early Medieval Fortified Settlement in Majcichov and Other Sites
9.30-9.45	Křivánek R./Čižmář M. The Combination of Magnetometric Prospection and Other Non-destructive Survey Methods of a Large La Tène Site Near Němčice, Central Moravia. Present Results and Future Possibilities
9.45-10.00	Piro S./Gabrielli R./Peloso D. Integrated Surveys to Locate Chamber Tombs in the Sabine Necropolis (Rome – Italy)
10.00-10.15	Poscetti V. Georadar and Electrical Tomography Surveys Compared to an Old Archaeological Map (Necropolis of “Casale del Fosso” – Veio, Italy)
10.15-10.30	Trinks I./Larsson L.-I./Eder-Hinterleitner A. Mapping of Sweden’s First Town Birka Using Georadar and Magnetometer Prospection
10.30-10.45	Ullrich B./Zöllner H./Makhortykh S./Orliuk M./Rolle R. Geophysical Prospection of the Scythian Fortification of Belsk (Bol’soe Belskoe Gorodišče)
10.45-11.00	Discussion
11.00-11.30	<i>Coffee break</i>
<i>PROCESSING, INTERPRETATION AND VISUALISATION OF PROSPECTION DATA</i>	
Session Chair:	
11.30-11.45	Becker H./Campana S./Himmler T./Nicolosi I. Fluxgate, Overhouser and Caesium-Magnetometry for Archaeological Prospection at Roselle-Aiali (Italy)

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11.45-12.00	Berge M. A./Drahor M. G. Electrical Resistivity Inversion Modelling Studies for Commonly Used Arrays in Höyük (Artificial Hill) Type of Archaeological Settlements
12.00-12.15	Eppelbaum L. V. Localization of Ring Structures in Earth Environments
12.15-12.30	Izjumov S. K./Mironov S./Gajdoš V. Application of Georadar Method for Engineering and Geological Surveying of Historical Places
12.30-12.45	Leckebusch J./Weibel A./Bühler F. Computer-assisted GPR Data Interpretation
12.45-13.00	Linford N./Linford P./Martin L./Payne A. Geophysical Evidence for Assessing Plough Damage
13.00-13.15	Discusson
13.30-15.00	Lunch time
Session Chair:	
15.00-15.15	Novo A./Lorenzo H./Rial F. I./Pereira M./Solla M./ Arias P. From Searching to 3D Imaging: GPR Ultra-dense Grid Methodologies
15.15-15.30	Pašteka R./Terray M. /Hajach M./ Pašiaková M. Microgravity Measurements and GPR Technique in the Search for Medieval Crypts: a Case Study from St. Nicholas Church in Trnava, SW Slovakia
15.30-15.45	Sala R. /Lafuente M. Visualising the Ibero-Roman Site of Puig-Ciutat (Catalonia, Spain) from Magnetic Variation Maps and GPR Time-Slices
15.45-16.15	Barta P./Bartík M./Benediková L./Ďuriš J./Pieta K./Shehab A. H. S./Štolc S./ Tírpák J. Geophysical Prospecting of the Bronze Age Site Al-Khidr, Failaka Island, State of Kuwait
16.15-16.30	Pieta K./Shehab A. H. S./Tírpák J./ Bielich M./Bartík M./Ďuriš J. <i>Archaeological and Geophysical Prospecting of Deserted Early Islamic Village Al-Qusur (Failaka Island, State of Kuwait)</i>
16.30-16.45	Coffee break
Session Chair:	
16.45-17.00	Schultze V./Linzen S./Schüler T./ Stolz R./Chwala A./Schulz M./ Meyer H.-G. Large-scale, Fast and Sensitive Geomagnetic Archaeometry Using a SQUID-based Measurement System
17.00-17.15	Thiesson J./Tabbagh A./Dabas M. What Are the Advantages of Several Magnetic Parameters Measurements in Prospection?
17.15-17.45	Discusson
20.00	Reception at the restaurant Západoslovenská koliba

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FRIDAY, SEPTEMBER 14	
<i>TECHNICAL ASPECTS / ARCHAEOLOGICAL FEEDBACK</i>	
Session Chair:	
9.00-9.15	Tsokas G./Tsourlos P.I. Non-destructive ERT Survey at the South Wall Of Acropolis of Athens
9.15-9.30	Aminpour B. Comparison of the Magnetic Survey and Excavation Results in Rescue Archaeological Project of Tang-e Bolaghi (Iran)
9.30-9.45	Barone P. M./Pettinelli E./Mattei E./De Santis A./De Minicis E. GPR Investigations in the Archaeological Area of Ferento (Viterbo, Lazio, Italy)
9.45-10.00	Benech Ch. Study of Ancient City Planning with Axial Maps and Visibility Graph Analysis
10.00-10.15	Fassbinder J. W. E./Korobov D./Reinhold S./Belinskiy A./Merkulov S. Magnetometry on Newly Discovered Bronze Age Settlements in the North Caucasus (Russia)
10.15-10.30	<i>Coffee break</i>
Session Chair:	
10.30-11.15	Goldmann T./Wutzler R./Mekiffer B./Wolf P./Mohamed A. M. A. Geomagnetic Survey at the Meroitic Settlement Hamadab / Sudan
11.15-11.30	Herbich T. Geophysical Surveying in Egypt: Periodic Report for 2005-2006
11.30-11.45	Posselt M. Geophysics and Excavation – Layers of Archaeological Feedback
11.45-12.00	Fassbinder J. W. E./Berghausen K./Vogt B./ Moser J. Easter Island (Chile): Magnetometry of Archaeological Structures On Basaltic Geology
12.00-12.15	Schmidt A./Coningham R. Geophysical Prospection for Archaeological Investigations in South Asia
12.15-12.30	Tirpák J./Fottová E./Bartík M. Geophysical Prospecting of Deserted Village Dolný Poltár
12.30-12.45	Trinks I./Larsson L.-I. Geophysical Prospection and Archaeological Feedback in Rescue Archaeology – Examples from Sweden
12.45-13.00	Tsourlos P. I./Tsokas G. Archeological Prospection by Means of Fully Non-destructive DC Resistivity Surveying
13.00-13.30	Discussion
13.30-15.00	<i>Lunch time</i>
Session Chair:	
15.00-15.30	Closing discussion
15.30-16.30	Meeting of ISAP members
17.30	Visit to Nitra castle
20.00	<i>Conference dinner at Hoffer restaurant</i>

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SATURDAY, SEPTEMBER 15

9.00-18.00

Bus excursion to the National Museum in Bratislava, visit of the Devín Castle; beer and barbecue in the garden under the Devín Castle