

AARG 2017  
September 13 – 15<sup>th</sup> – Pula, Croatia  
Conference programme

Tuesday, 12 September	
19:00 – 21:00	WELCOME RECEPTION and registration at Amphitheater

Wednesday, 13 September CONFERENCE DAY 1 at Circolo		
9:00 – 9:30	REGISTRATION	
9:30 – 9:50	AGM	
9:50 – 10:00	OPENING REMARKS	
SESSION 1 LOCAL THEMES		
10:00 – 10:25	R. Matijašić	Roman Age Plantations at Cape Kamenjak (Capo Promontore), Istria, Croatia
10:25 – 10:50	D. Matošević & M. Čuka	Use of the LiDAR surveying method in Rovinj Area
10:50 – 11:20	COFFEE BREAK	
11:20 – 11:45	K. Gerometta	Hillforts and burial mounds in the Vrsar municipality (Istria, Croatia): preliminary LiDAR observations
11:45 – 12:10	M. Vuković	Detection of archaeological sites identified on historical Austro-hungarian military maps in the karst landscape of Osor
12:10 – 12:35	B. Šiljeg & H. Kalafatić	The vertical images of Croatian coast and karst: sources, possibilities and results
12:35 – 13:00	D. Grosman	Searching for a safe harbour
13:00 – 14:00	LUNCH	
SESSION 2 AERIAL ARCHAEOLOGY OF THE FUTURE		
14:00 – 14:25	M. Gojda	The future of aerial archaeology as a farewell story?
14:25 – 14:50	G. Cantoro	From the clouds to the Cloud: automatic aerial image georeferencing through network computing system
14:50 – 15:15	I. Kramer, J. Hare & A. Prugel-Bennett	Automation on steroids. An exploration of why deep learning is dominating automation
15:15 – 15:40	A. Traviglia	Remote sensing, engineered landscapes and computer vision: a desirable convergence
15:40 – 16:25	COFFEE BREAK AND POSTER SESSION	
SESSION 3 INTEGRATED AERIAL ARCHAEOLOGY		
16:25 – 16:50	C. Parcero-Oubiña	An experiment to assess the influence of different variables in the accuracy and detail of 3D reconstructions from UAV-based aerial images
16:50 – 17:15	C. Yuill	Integrating area-wide Lidar and imaging with site specific technologies including cave scanning for documentation for a proposed United States Geopark in the Central Appalachians
17:15 – 17:40	C. Botturi	In flight over the fields: an integrated methodology to unravel the centuriation and associated Roman structures
17:40 – 18:05	A. Sarris, T. Kalayci, M. Papadakis, N. Nikas, M. Mori, E. Farinetti, B. Slapšak & J. Bintliff	Exploring the urban fabric of ancient Haliartos, Boeotia (Greece) through remote sensing techniques
18:10 – 20:00	EVENING SESSION	

Thursday, 14 September CONFERENCE DAY 2 at Circolo		
SESSION 4	KARSTIC LANDSCAPE	
9:05 – 9:30	D. Mlekuž	Watching stones grow: aerial archaeology of the Karst
9:30 – 9:55	N. Kulenović Ocelić	Dinaric Karst Landscape: History in Motion
10:00 – 10:25	S. Popović	Measuring change in an ‘unchanged’ Mediterranean rural landscape
10:25 – 10:50	F. Sirovica	Tracking Pastoralists in Karstic Landscape: Prehistory of Bukovica through Aerial Reconnaissance
10:45 – 11:15	COFFEE BREAK	
11:15 – 11:40	E. Fovet, D. Goguey, J. Bénard, E. Chevigny & L. Saligny	Shaping karstic landscapes: the traces of ancient land improvement in the Châtillon-sur-Seine forest (Burgundy, France)
11:40 – 12:05	M. Doneus, I. Miholjek, N. Doneus, G. Mandlbürger, Ch. Briese, G. Verhoeven	Airborne laser bathymetry for documentation of submerged archaeological sites in shallow water
SESSION 5	LEARNING TO SEE	
12:05 – 12:30	A. Lopez Lopez & D. Cowley	Developing an approach to national mapping - preliminary work on Scotland in miniature
12:30 – 12:55	M. Oakey & S. Evans	Belsay Awakes: Understanding the landscape of Belsay Hall, Castle & Gardens
13:00 – 14:00	LUNCH BREAK	
14:00 – 14:25	G. Cantoro, S. Michalopoulou & Ch. Tsigonaki	Reading the Mountains: Aerial approach between Archaeology, History and Ethnography
14:25 – 14:50	R. Hesse	From individual lines to regional patterns: traces of roman cadastral grids detected in airborne lidar data sets
14:50 – 15:15	N. Hofer & D. Evans	Using ALS to Uncover, Map and Analyse Archaeological Topography in Mainland Southeast Asia: An Overview
15:15 – 15:45	COFFEE BREAK	
15:45 – 16:10	M. Kostyrko	Cultural hegemony of landscape and its heritage – a remote sensing perspective
16:10 – 16:35	G. Kiarszys	Landscapes of oblivion. Cold War nuclear warhead storage facilities in Poland
16:35 – 17:00	K. Hanus, M. Kostyrko & L. Žuk	The Thirty Years’ War (1618-1648) inscribed in European landscapes
SESSION 6	DISCUSSION	
17:00 – 18:00	L. Starkova, C. Parcero-Oubiña, G. Kiarszys & M. Oakey	
18:00 – 18:15	CLOSING REMARKS	

Friday, 15 September	
9:00 – 16:00	FIELD TRIP – Brijuni National park
9:00 – 12:00	Half day tour of Pula historic center

Saturday, 16 September Associated event	
9:00 – 13:00	ArcLand Meeting at Juraj Dobrila University

POSTER SESSION	
C. Bem	Bronze and Iron Age salt-making settlements in the Southern part of Romania
C. Moriarty	Modelling archaeological crop stress through multi-temporal and high-resolution multispectral surveys in Fife, Scotland
C. Gáti	A landscape from the air: a case study from South-Hungary
D. Stott, M. Vinter & M. Løvschal	Lidar visualization and field surveys on 1 <sup>st</sup> Millennium B.C field systems in Denmark
D. Danelli & G.Baratti	Mountainwatcher. Archaeological prospection between the Alps and the Apennines
F. Wałdoch	Possibility of trees identification connected with 19th /20th century households based on remote sensing data
G. Raab & R. Weßling	The Iron Age hillfort settlement of Vix - Comparing historical DEMs
I. Feier	Invisible made visible: the case of Wrocław's last fortress
J. Koczur	UAV as a multi-purpose documentation tool?
K. Hanus & Ł. Pintal	The wheat from the chaff. UAV-based point cloud filtering
L. Starková, K. Nováček & M. Melčák	Interactive map of the historical heritage of Mosul
M. Fernández-Götz, F.Teichner & C. Salzmann	Digital Elevation Modeling at the Roman Camps of Ardoch (Scotland)
M. Fernández-Götz, J. García Sánchez, J. Costa García, J. Fonte & F. Teichner	Aerial Archaeology at Sasamón (Burgos, Spain): Iron Age Hillfort and Roman Camps
M. Szabó	Revealing invisible crop marks by DSM raster-visualisation
M. Szabó & Sz. Pánczél	First World War battlefield research from the air in Mures County (Romania)
M. Szabó, A. K. Németh, J. Ódor & G. Tóth	Migration Period burial landscape at Várong, Tolna County (Hungary)
O. Risbol & L. Gustavsen	Lidar from drone
P. Krištuf & J. Chlevištan	Mapping and documentation of burial mound cemeteries in West. Bohemia by the help of Airborne Laser Scanning (ALS)
R. Shaw, A. Corns, G. Devlin, T. Driver, L. Barker, Sarah Davies, S. Cullen & C. Jordan	Aerial archaeology, core to the cherish (climate, heritage and environments of reefs, islands and headlands) project
S. Mich, G.Cantoro & Ch. Tsigonaki	Reading the Mountains: Aerial approach between Archaeology, History and Ethnography
V. Lysandrou & A. Agapiou	An aerial investigation of the eastern necropolis of Nea Paphos, Cyprus
Ž. Kokalj	2D visualizations of rasterized lidar data – combinations
Z. Kowalczyk & K. Łada-Siwiec	Learn to see, see to learn. Identification and interpretation of war trenches at aerial photographs
A. Schneider	A semi-automatic workflow for the supervised detection of anthropogenic objects in archaeological analysis using GIS APIs and R