


PERSONAL INFORMATION

Gianluca CANTORO

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 Skype giancan

Sex Male | Date of birth 8 Feb 1977 | Nationality Italian

PREFERRED JOB

Archaeologist, Cultural Heritage Consultant, AirPhotoInterpreter, Computer application in Archaeology, Cultural Program manager, Museum Guide, Researcher, GIS/CAD related jobs for cultural heritage

EDUCATION AND TRAINING

5 Apr 2007–20 Jul 2010	PhD in Archaeology University of Foggia via Arpi, 70100 Foggia (Italy) PhD in Archaeology with the University of Foggia (southern Italy). PhD school: "Archeologia e didattica dei beni culturali. Sistemi integrati di fonti, metodi e tecniche" Title of the dissertation: "A modern Ikaros: diagnostic methodologies and new approaches in defined contexts"	
1 Oct 1995–3 Mar 2006	BA and MA degree in Archaeology University of Pisa-dpt of Archaeology via Santa Maria, 56100 Pisa (Italy) Roman archaeology - landscape archaeology	102/110
1 Sep 1990–30 Jun 1995	Diploma di Maturità Classica (High School diploma-"Classical" specialization) Liceo Ginnasio "N. Zingarelli", Cerignola (FG) (Italy) Classical studies	58/60
16 Feb 2010–17 Feb 2010	Training Workshop Royal Commission on Ancient and Historical Monuments of Wales, Cardiff (United Kingdom) Digital Past 2010	
5 Jul 2010–11 Jul 2010	First Specialisation Forum "Radiography of the past: integrated non-destructive approaches to understand and valorise complex archaeological sites" University of Evora and RADIO-PAST project, Evora (Portugal) Lectures and field practices for integrated non-destructive approaches to understand and valorise complex archaeological sites. The writer was successfully rated in the final evaluation test	Successfully rated

- 1 Apr 2009–30 Jun 2009 **Research bursary**
Ministry of Foreign Affairs
Winner of a bursary (after exam with national competition) from the Italian Ministry of Foreign Affairs for a period of research in Greece
- 1 Dec 2008–30 Mar 2009 **Research bursary**
Ministry of Foreign Affairs
Winner of a bursary (after exam with national competition) from the Italian Ministry of Foreign Affairs for a period of research in Slovenja
- 10 Dec 2007–12 Dec 2007 **International Workshop**
University of Hull, Hull (United Kingdom)
Aerial Archaeology, computer visualisation and past landscapes: an international workshop II Workshop in HIVE (Hull Immersive Visualization Environment)
- 27 Nov 2006–2 Dec 2006 **Training school**
University of Siena, Rocca San Silvestro (Tuscany) (Italy)
XVII International Summer School in Archaeology
"Exploring archaeological landscapes"
- 14 Feb 2006–14 Feb 2006 **ECDL-European Computer Driving Licence** Maximum
Exam for the ECDL (start)
- 29 Nov 2005–15 Dec 2005 **Vocational training** Maximum
Regione Toscana (Regional Administration of Tuscany) (Italy)
Diploma (after final exam) of "Management of Cultural Heritage"
- 1 Nov 2005–28 Nov 2005 **Vocational training** Maximum
Regione Toscana (Regional Administration of Tuscany) (Italy)
Diploma (after final exam) of "ADVANCED Excel 97, Access 97, Access 2000"

WORK EXPERIENCE

- 1 Oct 2011–Present **Post-Doctoral Researcher**
Institute for Mediterranean Studies (IMS) - Foundation of Research & Technology, Hellas (F.O.R.T.H.)
Melissinou & Nikiforou Foka 130, 74100 Rethymnon (Greece)
Research Assistant at the Laboratory of Geophysical - Satellite Remote Sensing and Archaeo-environment
Forth - IMS
[Business or sector](#) Researcher
- 26 Sep 2016–25 Aug 2017 **Collaboration and consulting**
National Aerial-Photo Archive at the Central Institute for Catalogue and Documentation (Aerofototeca Nazionale - Istituto Centrale per il Catalogo e la Documentazione), Rome (Italy)
 - Data entry in Air-Photo database;
 - Georeferencing of aerial images;

- preparation and testing of web platform for the photo-archive;
- consulting on development policies of the Photo-Archive

2015–2017 3D documentation of archaeological excavation

Eforate of Antiquities of Rethymno, Rethymno (Greece)

3D photogrammetric documentation of the archaeological excavation at Kalo Chorafi (Heraklion, Crete). One small structure had to be dismantled to be re-assembled in the museum facilities

1 Feb 2013–30 Jul 2014 Post-Doctoral Researcher

University of Leiden - Faculty of Archaeology, Leiden (Netherlands)

Aerial Remote Sensing module for the "Landscape of Early Roman Colonization" project

Business or sector Researcher

2013–2017 Ground and Aerial Photogrammetric documentation of the Site of Malia, Heraklion
ECOLE FRANCAISE D'ATHENES, Athens (Greece)

[July 2013]

Extensive 3D photogrammetric documentation of the 'Magasins Dessenne' at Malia (Crete, Greece). The archaeological trench needed to be covered for safety reason so a full documentation (with photogrammetry and 3D laser scanning) was needed.

[May 2017]

3D photogrammetric and laser scanning documentation of wall facades at the Minoan Palace

2013–Present Geophysical Survey & RPAS mapping

IMS-FORTH

Nikiforou Foka 130, 74100 Rethymno (Greece)

Geophysical Survey & RPAS mapping (photogrammetry DEM and orthophoto) for

- "Neolithic Thessaly" project - 2013/2014
- Mantinea (Arcadia, Greece) - 2015
- Iliada (Iliada, Greece) - 2015

Business or sector Remote Sensing Archaeology

2015–Present Digital documentation of Cultural Heritage

IMS-FORTH, Rethymno (Greece)

[May 2015] Photogrammetric 3D documentation of the archaeological shipsheds in the old town of Rethymno (Greece)

[July 2016] Photogrammetric 3D documentation and architectural drawing production for the church of Malles (Ierapetra, Greece)

[June 2017] Photogrammetric and 3D laser scanning of the archaeological site of Tripitos (Siteia, Greece)

[July 2017] Photogrammetric and 3D laser scanning of the archaeological site of Driros (Siteia, Greece)

[Oct 2017] Ground and Aerial Photogrammetry and 3D laser scanning of the archaeological buildings at Oxa mountain (Siteia, Greece)

[Nov 2017] Photogrammetric and 3D laser scanning of the archaeological area of Elounda (Siteia, Greece)

[Nov 2017] Photogrammetric and 3D laser scanning of the ancient basilica (with mosaic on pavement) of Goulediana (Rethymno, Greece)

- 14 Jun 2012–Present **Geophysical survey**
IMS-FORTH
Nikiforou Foka 130, 74100 Rethymno (Greece)
Geophysical Survey at:
- Prosilio (Boeotia, Greece) [26nov2017-9dec2017]
 - Koumasa (Crete, Greece) [13nov2017-19nov2017]
 - Plataies (Boeotia, Greece) [12nov2016-24nov2016]
 - Levadeia (Boeotia, Greece) [2015]
 - Hyettos (Boeotia, Greece) [30jul2013-14aug2013, 2014 and 2015]
 - Isernia (Italy) [2014]
 - Mantinea (Arcadia, Greece) [2014]
 - Venosa (Italy) [29oct2013-2nov2013]
 - Andros (Cyclades, Greece) [16oct2012-27oct2012]
 - Elefthera (Crete, Greece) [8oct2012-12oct2012]
 - Diros, (Laconia, Greece) [1jul2012-4jul2012]
 - Thebes (Boeotia, Greece) [14jun2012-20jun2012]
 - Alepotripa (Laconia, Greece) [2012]
- 15 Dec 2017–15 Dec 2017 **Aerial Archaeological Survey**
Funded by RCH (Project: High above the mountains)
Aerial Archaeological Survey over central and eastern Crete for Cultural Heritage monitoring and database updating.
- 10 Jul 2016–24 Jul 2016 **Shallow-water/marine geophysics at Labayana (Argolida, Greece)**
IMS-FORTH, Rethymno (Greece)
Shallow water geophysics of submerged Bronze Age town
- 25 Jan 2016–29 Jan 2016 **Shallow-water/marine geophysics at Elounda (Lasithi, Greece)**
IMS-FORTH, Rethymno (Greece)
Shallow-water/marine geophysics of Hellenistic town at Elounda (Lasithi, Greece)
- Sep 2015–Oct 2015 **Documentation and hypothesis of reconstruction for damaged heritage**
Municipality of Chandras, Ierapetra, Chandras (Greece)
Documentation of actual condition and hypothesis of reconstruction (based on old archive photographs) of an old bell-tower destroyed by thunder in January 2015
- May 2015–Sep 2015 **High resolution orthophoto production with RPAS**
dr. Christina Tsigonaki - University of Crete, Rethymno (Greece)
In the framework of 'Byzantine Crete' project, a number of early Byzantine mountain castles in Crete have been surveyed with RPAS for high resolution orthophoto production.
- 24 Jul 2015–24 Jul 2015 **Aerial Archaeological Survey**
Eforate of Antiquities of Rethymno (GR), Rethymno (Greece)
Aerial Archaeological survey on the North-Western coast of Crete for Cultural Heritage monitoring and database updating
- 25 Jun 2015–28 Jun 2015 **Shallow-water/marine geophysics at Pafos (Cyprus)**

- IMS-FORTH, Rethymno (Greece)
Shallow water geophysics at the old port of Pafos in Cyprus
- 22 Jun 2015–23 Jun 2015 **Photogrammetric documentation of ongoing excavation**
Eforate of Sparti, Greece, Sparti (Greece)
3D documentation of ongoing archaeological excavation at Aghios Vasilios, Sparti (Greece)
- 23 May 2015–24 May 2015 **Low Altitude Photographic survey - submerged contexts**
IMS-FORTH, Rethymno (Greece)
Photogrammetric survey of the submerged archaeological sites of Tertsia, Stomio and Elounda (Ierapetra) by means of Remotely Piloted Aerial System
- 16 Apr 2015–17 May 2015 **RPAS mapping**
IMS-FORTH, Rethymno (Greece)
RPAS mapping and 3D reconstruction of several sites for "Neolithic Thessaly" project
- 13 Oct 2014–24 Oct 2014 **RPAS mapping**
IMS-FORTH, Rethymno (Greece)
RPAS mapping and 3D reconstruction of several sites for "Neolithic Thessaly" project
- 7 Jun 2014–10 Jun 2014 **Aerial and ground photogrammetric documentation at Ostia Antica**
University of Leiden, Leiden (Netherlands)
Aerial and ground photogrammetric documentation of the Regio IV at archaeological excavation of Ostia Antica, Rome (Italy)
- Jul 2013–Nov 2013 **Photogrammetric documentation of standing architecture**
Eforate of Antiquities of Heraklion, Heraklion (Greece)
Photogrammetric documentation and reconstruction of the Venetian Castle of Heraklion for structural assessment and support for forthcoming restoration
- 30 Jul 2013–14 Aug 2013 **Fieldschool and geophysical survey at Hyettos (Greece)**
University of Leiden, Leiden (Netherlands)
Fieldschool and geophysical survey at Hyettos, Boeotia (Greece)
- 13 Jun 2013–13 Jun 2013 **Aerial Archaeological Survey in Hungary**
The Chicago Field Museum, Chicago (United States)
Aerial archaeological survey for the purpose of the ongoing research of the Chicago Field Museum at Veszto, Szeghalom, Bekes Ibrany and Csardaszallas (Hungary).
- 9 Aug 2012–20 Sep 2012 **Aerial Archaeological Survey in Central-Western Crete**
IMS-FORTH, Rethymno (Greece)
Multiple flights for aerial archaeological survey over Central and Western Crete.
More info at:
<http://photogrammetry.ims.forth.gr/AerialRemoteSensing.php?proj=Crete>
- 1 Jul 2012–5 Jul 2012 **Photogrammetric documentation of the prehistoric cave of Alepotrypa - Dyros (Mani, Greece)**
The Chicago Field Museum, Chicago (United States)

Photogrammetric documentation of the prehistoric cave of Alepotrypa - Dyros (Mani, Greece)

3 Jan 2011–31 May 2011

Landscape archaeologist

"L.A.T.E.R.E.S.", society of archaeology at Rome
Via Cardinal Sanfelice, 7, 00162 Roma (Italy)

Selected by "L.A.T.E.R.E.S.", society of archaeology at Rome, as landscape archaeologist specialized in photogrammetry and photointerpretation for the "suburbio" (suburb) of Rome [5 months].

Business or sector archaeology

26 Jul 2010–22 Aug 2010

Consultancy and Technical support

Institute for Aegean Prehistory-Study Center for East Crete
P.O. Box 364, 72200 Pachia Ammos (Ierapetra, Crete) (Greece)

Consultancy and Technical support for the (graphic and photographic) documentation for the excavations of the Research Center

Business or sector Consultancy, Field archaeologist

1 Aug 2009–30 Jan 2010

Consultancy for Feasibility study of a new Museum Network

Provincia di Foggia
via Telesforo, 71100 Foggia (Italy)

Census of the previous situation, search of problems and possible solutions for a Feasibility study of a new Museum Network in the Province of Foggia

Business or sector Consultancy

5 Aug 2009–18 Aug 2009

Consultancy and Technical support

University of Leiden-University of Ljubljana

Field survey documentation and aerial archaeology in the "Boeotia Project" (prof. J.L.Bintliff -Leiden univ.- and prof. B. Slapsak -Ljubljana univ.-)

Business or sector Field archaeologist

Jul 2009–Jul 2009

Aerial Archaeological Survey in Eastern Crete

Institute for Aegean Prehistory - Study Center for East Crete, Pachia Ammos, Crete (Greece)

Aerial Archaeological Survey in Eastern Crete for INSTAP-SCEC

5 Jun 2009–30 Jul 2009

Consultancy and Technical support

Institute for Aegean Prehistory-Study Center for East Crete
P.O. Box 364, 72200 Pachia Ammos (Ierapetra, Crete) (Greece)

Consultancy and Technical support for the (graphic and photographic) documentation for the excavations of the Research Center

Business or sector Consultancy, Field archaeologist

Apr 2009–Apr 2009

Archaeologist

University of Ljubljana
Askerceva 2, SI-1000 Ljubljana (Croatia)

Survey and fast documentation (with GPS and photogrammetric reconstructions) in the island of Hvar, Croatia (protected by UNESCO)

Business or sector Archaeology

21 Jan 2009–21 Jan 2009

University teaching

University of Ljubljana-Faculty of Arts, Department of Archaeology
Aškerčeva 2, P.O. 580, SI-1000 Ljubljana (Slovenia)

Lesson about GIS in Archaeology

Business or sector Teaching

15 May 2008–15 May 2008

University Teaching

University of Pisa - Dip. Natural Science
via S. Maria, 56100 Pisa (PI) (Italy)

Lesson about Museology and e-museums in the University of Pisa

Business or sector Teaching

15 Jun 2007–10 Aug 2007

Archaeologist-drafter

Hellenic Ministry of Culture-Educational Programms dpt.-Directorate of Classical Antiquity
Prytaneiou, 9 (Plaka), 10556 Athens (Greece)

Responsible for graphic and photographic documentation in the excavation of Choiromandres (Crete, Greece) with the archeological mission of the Greek Ministry

Business or sector Field archaeologist

10 Nov 2006–15 Jun 2007

Guide and responsible for the educational program in the Museum

Museum of Camaiore
Corso V. Emanuele, 181, 55041 Camaiore (LU) (Italy)

Guide and responsible for the educational programs and laboratories of experimental archaeology in the Museum of Camaiore (LU)

Business or sector Tourist guide

10 Nov 2006–15 Jun 2007

Guide and responsible for the educational program in the Museum

Museo Archeologico di Viareggio
via N. Machiavelli, 2, 55049 Viareggio (Italy)

Guide and responsible for the educational programs and laboratories of experimental archaeology in the Museum of Viareggio (LU)

Business or sector Tourist guide

1 Nov 2006–28 Mar 2007

Editorial office secretary and images editing

European Union - Interreg III A France-Italy "Island" // Tuscany - Corse - Sardinia Axe III - trans-borded exchanges (Italy, France)

Editorial office secretary and images editing for the publication "Prehistoire et protohistoire del'aire tyrrhenienne - Preistoria e Protostoria dell'area tirrenica" (Carlo Tozzi and Michel Claude Weiss curators), Felici Editore, Pisa 2007 (ISBN 978-88-6019-107-6)

Business or sector Publication

26 Feb 2007

Entitled turistic guide

Regione Toscana and travel agencies

Turistic guide with authorization to work as guide in Pisa - Piazza dei Miracoli (italian-english)

Business or sector Tourist guide

30 Jun 2006–3 Aug 2006

Archaeologist-drafter

Hellenic Ministry of Culture-Educational Programms dpt.-Directorate of Classical Antiquity

Prytaneiou, 9 (Plaka), 10556 Athens (Greece)

Responsible for graphic and photographic documentation in the excavation of Choiromandres (Crete, Greece) with the archeological mission of the Greek Ministry

Business or sector Field archaeologist

9 Jan 2006–9 Jun 2006

Teaching

Primary School in Pisa
56100 Pisa (Italy)

Board of education for students of primary and secondary school (laboratory of experimental archaeology and visits to the exhibition)

Business or sector Teaching (archaeology): primary school

1 Oct 1995–3 Mar 2006

Vocational training excavations during BA - MA studies

University of Pisa, Pisa (Italy)

Trench master and excavator, Drafter, Photographer, Responsible for arch. documentation in the following archaeological projects:

- Eneolithic site in Terralba (Oristano, Sardinia);
- Multi-period site in Contraguda-Perfugas (Sassari, Sardinia);
- Neolithic settlement in Santo Stefano di Ortucchio (L'Aquila, Abruzzo);
- Italic and roman settlement "Blanda Julia" in Palecastro di Tortora (Cosenza, Calabria);
- Roman villa in Porta a Lucca in Pisa (Tuscany);
- Archaeological survey along the Fiumarella river in Cosenza, Calabria;
- Roman "statio" in Malvito – Pauciuri (Cosenza, Calabria);
- Neolithic settlement in Maddalena di Muccia (Macerata, Marche);
- Responsible for the Italian Cultural Heritage Ministry in the excavation in La Rotta di Pontedera (Pisa, Tuscany).

30 Jun 2005–2 Aug 2005

Archaeologist-drafter

Hellenic Ministry of Culture-Educational Programms dpt.-Directorate of Classical Antiquity
Prytaneiou, 9 (Plaka), 10556 Athens (Greece)

Responsible for graphic and photographic documentation in the excavation of Choiromandres (Crete, Greece) with the archeological mission of the Greek Ministry

Business or sector Field archaeologist

5 Apr 2004–31 May 2004

GIS project editor

University of Pisa-Dip. di Matematica, Fisica e Scienze Naturali
via Buonarroti, 4, 56100 Pisa (PI) (Italy)

Creation of a CD-ROM (with an arcView project on it) for the students in training in the project "Archeositi - Geositi". Project financed by Regional Administration of Tuscany with project from the E.U.

Business or sector Teaching (remote learning)

30 Mar 2004–20 Apr 2004

New media

University of Pisa-Dip. Archaeology
via Santa Maria, 53, 56100 Pisa (PI) (Italy)

Creation of logo and panels for the exhibition "L'Uomo e le piante nell'antichità"

Business or sector Archaeology: publication

- 1 Sep 2003–30 Sep 2003 **Archaeologist**
 Municipality of Ischia di Castro (VT)
 via S. Rocco, 2, 01010 Ischia di Castro (Italy)
 Study of archaeological finds and preparation (with texts and descriptions into panels) for the exhibition "Cacciatori e agricoltori nella valle del Fiora"
Business or sector Archaeomaterial
- 15 May 2003–3 Jun 2003 **Archaeologist**
 University of Pisa- Dip. of Archaeology
 via Santa Maria, 53, 56100 Pisa (PI) (Italy)
 Analysis of animal bones from archaeological context: Grotta delle Settecannelle (VT)
Business or sector Archaeomaterial
- 23 Jan 2002–16 May 2002 **Archaeologist**
 Coop. Archeologia
 via Luigi La Vista, 5, 50133 Sesto Fiorentino (FI) (Italy)
 Archaeologist for the society "Coop. Archeologia"
Business or sector Field archaeologist
- 2 Jul 1999–29 Jul 1999 **Director of archaeological excavation**
 Municipality of Torralba (SS)
 Piazza Mons. Pola, 5, 07048 Torralba (Italy)
 Director of archaeological excavation in Nuraghe Santu Antine (Sardinia-Italy); responsible for archaeological documentation
Business or sector Archaeology

PERSONAL SKILLS

Mother tongue(s) Italian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C1	C1
Greek	C1	B2	C1	B2	B2
B2 certificate					
French	B2	B2	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
 Common European Framework of Reference for Languages

Communication skills

- Team spirit;
- Good ability to adapt to multicultural environments, gained through my work experience abroad;
- Good communication skills gained through my experience as Museum guide and freelance journalist

Organisational / managerial skills

- Leadership (experience of being responsible for a team of up to 20 people);
- Sense of organisation (experience in logistics) and deadlines;
- Good experience in project or team management.

Job-related skills Sound experience in: Field Archaeology (excavation and survey); Remote Sensing; non-invasive

Archaeology; Fast and Accurate CH 2D and 3D documentation; documentation with differential GPS and Total Station; use and maintenance of Remotely Piloted Aerial Systems (also known as UAVs or Drones).

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Independent user	Proficient user

Digital skills - Self-assessment grid

Good command of computer (windows and linux OS), Office tools, computer graphic, GIS (ArcView; ArcGIS; Grass; QuantumGIS), CAD (Autodesk AutoCad; Qcad; Medusa4). Experience in webgis configuration. Experience in python and vbscript programming. WebPage creation and mastering for archaeological research projects (i.e. for the University of Pisa; the Italian society of Zooarchaeology - AIAZ; for the University of Bologna and University of Yale on the AKAP project in Egypt - forthcoming). Digital photogrammetry with free and commercial packages (Bundler; VSFM; Agisoft Photoscan; Photomodeler; 123D Catch and more).

Other skills

Fixing hardware and software computer problems
 Good handiness with practical works

Driving licence

B, B1

ADDITIONAL INFORMATION

Publications

[In press]

- Cantoro Gianluca, Handling hundreds of aerial images without ground references: archaeological photointerpretation in the era of digital photogrammetry, in Archeologia Aerea 10.
- Cantoro Gianluca, Chapter 4 "NUMÉRISATION 3D DU BÂTIMENT DESSENNE" in "Le Bâtiment Dessenne et les abords Sud-Ouest du palais dans l'établissement pré- et protopalatial de Malia".

[printed/peer-reviewed]

- Cantoro Gianluca. 2017. "Ground and Aerial Digital Documentation of Cultural Heritage: Providing Tools for 3D Exploitation of Archaeological Data". Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLII-2/W3, 141-145.
- Cantoro, Gianluca, Jeremia Pelgrom, and Tesse D. Stek. 2017. "Reading a difficult landscape from the air. A methodological case-study from a WWII airfield in South Italy". Journal of Cultural Heritage 23, Supplement, 12-19.
- Elizabeth Jane Shepherd, Gianluca Cantoro, and Fabio Remondino. 2017. "Il potenziale informativo degli archivi di fotografia militare della II Guerra Mondiale ai fini della protezione civile e dell'analisi del territorio", Geomedia 5, 6-9.
- Apostolos Sarris, Tuna Kalayci, François-Xavier Simon, Jamieson Donato, Carmen Cuenca García, Meropi Manataki, Gianluca Cantoro, Ian Moffat, Evita Kalogiropoulou, Georgia Karampatso, Kayt Armstrong, Nassos Argyriou, Sylviane Dederix, Cristina Manzetti, Nikos Nikas, Konstantinos Vouzaxakis, Vasso Rondiri, Polyxeni Arachoviti, Kalliopi Almatzi, Despina Efstathiou, and Evangelia Stamelou. 2017. "Opening a New Frontier in the Study of Neolithic Settlement Patterns of Eastern Thessaly, Greece", 27-48. In A. Sarris et al. (eds), Communities, Landscapes, and Interaction in Neolithic Greece, Proceedings of the International Conference, Rethymno 29-30 May, 2015. International Monographs in Prehistory, Archaeological Series 20 -USA.
- Eva Alram-Stern, Apostolos Sarris, Konstantinos Vouzaxakis, Kalliopi Almatzi, Polyxeni Arachoviti, Vasso Rondiri, Despina Efstathiou, Evangelia Stamelou, Carmen Cuenca García, Tuna Kalayci, François-Xavier Simon, Gianluca Cantoro, Jamieson Donati, Meropi Manataki. 2017. "Isviki Magoula Revisited: Comparing Past Excavations' Data to Recent Geophysical Research", 137-148. In A. Sarris et al. (eds), Communities, Landscapes, and Interaction in Neolithic Greece, Proceedings of the International Conference, Rethymno 29-30 May, 2015. International Monographs in Prehistory, Archaeological Series 20 -USA.

- Cantoro, Gianluca, Vassiliki Sythiakakis, and Stelios Manolioudis. 2016. "Visualizing structural issues through photogrammetric 3D documentation of Cultural Heritage: the Venetian Castle at Heraklion, Crete (Greece)". K. Chalikias et al. (eds). In *The future of the past: from Amphipolis to Mosul. New approaches to cultural heritage preservation in the Eastern Mediterranean*, AIA-USA.
- Kleanthis Simyrdanis, Nikos Papadopoulos, Gianluca Cantoro. 2016. "Shallow Off-Shore Archaeological Prospection with 3-D Electrical Resistivity Tomography: The Case of Olous (Modern Elounda), Greece", *Remote Sensing* 8/11.
- Cantoro Gianluca. 2015. "Where... goats dare: Aerial Survey in Mountainous Landscapes between History and Ethnography", *Archeologia Aerea* 9, 86-92.
- Sarris, A., Papadopoulos, N., Dederix S., Cantoro, G., Agapiou, A., Tsigonaki, C., Devolder, M. 2015. "New Technologies for Capturing the Dynamics of Cultural Landscapes", 689-700 in *Archaeological Work of Crete, Proceedings of the 3rd Meeting, Rethymno Dec. 5-8, 2013*, vol. A.
- Cantoro, Gianluca. 2015. "Aerial Reconnaissance in Archaeology - from Archives to Digital Photogrammetry", 103-114 in (A. Sarris ed.) *Best Practices of Geoinformatic Technologies for the Mapping of Archaeolandscapes* (ISBN: 9781784911621).
- Cantoro, Gianluca. 2015. "Aerial Photogrammetry: when Archaeology meets SIFT", 117-128. In V. Ivanišević et al (eds.) *Recovering Lost Landscape*. Belgrade, Serbia.
- Cantoro, Gianluca, Nikos Papadopoulos, Nassos Argyriou, Kayt Armstrong, Carmen Cuenca-Garcia, Jamieson Donati, Tuna Kalayci, Ian Moffat, Apostolos Sarris, and Francois-Xavier Simon. 2015. "A Satellite, Aerial and Low-Altitude approach for Ancient Greek Cities". *International Society for Archaeological Prospection Newsletter* 42: 3–6.
- Pelgrom, Jeremia, Maria Luisa Marchi, Gianluca Cantoro, Anita Casarotto, Arthur Hamel, Lucia Lecce, Jesus Garcia Sanchez, and Tesse D. Stek. 2014. "New approaches to the study of village sites in the territory of Venosa in the Classical and Hellenistic periods". *Agri Centuriati - An International Journal of Landscape Archaeology* XI.
- Chalikias, Konstantinos, and Gianluca Cantoro. 2014. "Endangered Cretan Landscapes: Using Digital Applications and Geospatial Information for the Recording and Monitoring of Recent Landscape Transformation in Southeast Crete", 229-236. In *Proceedings of the 1st CAA-GR conference*. Rethymno, Crete (Greece): GeoSat ReSeArch Lab IMS-FORTH.
- Pelgrom, Jeremia, G. Cantoro, M. L. Marchi, A. De Siena, and T. Stek. 2013. "Roman Colonial Landscapes: Ager Venusinus". *Paestum*: 24–25.
- Cantoro, Gianluca. 2013. "Endangered heritage: monitoring natural actions by means of Aerial Archaeology", 235-250. In R. Lasaponara et al. (eds.) *Proceedings of the 4th EARSeL 2013*, Matera, Italy, Matera, Italy.
- Cantoro, Gianluca, and Apostolos Sarris. 2012. "Fundamental Tools for Photo-Interpretation in Mountainous Rocky Areas: Photogrammetry and Ground-Truthing", 100-112. In *Proceedings of the 32nd EARSeL Symposium 2012*. Mykonos, Greece.
- Cantoro, Gianluca. 2012a. "A free set of tools for automated imagery rectification". *International Society of Archaeological Prospection (ISAP)* 30: 9–11.
- Cantoro, Gianluca. 2012b. "Speeding up Georeferencing with Subpixel Accuracy". In *Archaeology in the Digital Era Volume II*, 752–760. Southampton: Amsterdam University Press.
- Cantoro, Gianluca. 2011. "Georeferenziazione accurata, veloce e gratuita (Accurate, Fast and Free Georeferencing)". *Archeomatica* 4: 20–23.
- Cantoro, Gianluca. 2008a. "Raw Materials Project. Archaeological WEBGIS with Googlemaps API", 1-2. In A. Georgopoulos (ed.) *Proceedings of XXI CIPA Symposium 2007*, Athens.
- Cantoro, Gianluca. 2008b. "Reinterpretazione delle mappe di Google: webGIS dinamico elementare e formati aperti con ASP e XML (Reinterpreting Google maps: dynamic webgis and open formats with asp and xml)". In *III Workshop Open Source, Free Software e Open Format nei processi di ricerca archeologica*. Padova.
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- Cantoro, Gianluca. 2007. "Le sepolture di epoca romana di Cala Giovanna Piano, 161-166. In *Preistoria e Protostoria dell'Area Tirrenica*". Pisa: Felici Editore.
- Ucelli Gnesutta, Paola, Giovanni Boschian, Gianluca Cantoro, Elisabetta Castiglioni, and Mario Dini. 2006. "I livelli epigravettiani della Grotta delle Settecannelle (Viterbo)". *Rivista di scienze preistoriche*: LVI, 2006. doi:10.1400/206417.
- Cantoro, Gianluca, Maria Assunta Iaconis, and Domenico Barreca. 2001. "Nuove ricerche

nell'insediamento di Catignano, Ponte Rosso (PE)". *Rassegna di Archeologia* 18a: 57–75.

[selected conferences]

- Cantoro G., From the clouds to the Cloud: automatic aerial image georeferencing through network computing system, AARG International Conference, Pula (Croatia) 2017.
- G. Cantoro, S. Michalopoulou & Ch. Tsigonaki, Reading the Mountains: Aerial approach between Archaeology, History and Ethnography, AARG International Conference, Pula (Croatia) 2017.
- Cantoro G., Third dimension in Cultural Heritage: a new trend for final documentation or a research tool as starting point Applications at multiple scales in different Cretan contexts. Archaeological Work of Crete, Rethymno 24-26 November 2016.
- Cantoro G., Bird-eye view over changing landscape: documenting / discovering a disappearing heritage, International Congress of Cretan Studies, Heraklion 21-25 September 2016.
- Cantoro G., Tsigonaki Ch., Armstrong K., Sarris A., Integrating low altitude with satellite and airborne aerial images: photogrammetric documentation of Early Byzantine settlements in Crete, in Proceedings of the CAA 2015 Meeting, Siena (Italy).
- Sarris, A., Donati, J., Kalayci, T., Simon, F-X., Manataki, M., Cuenca-Garcia, C., Cantoro, G., Amalgamation of Satellite Remote Sensing and Geophysical Prospection for the Investigation of Ancient Cities: Two Case Studies from Demetrias and Pherai at the Region of Magnesia, Thessaly, Central Greece. 8th Congress of Balkan Geophysical Society in Chania, Crete, Greece, 4-8 October 2015.
- Cantoro, G., Sarris, A., Guenca-Garcia, C., Kalayci, T., Simon, F-X., Donati, J., Manataki, M., Vouzaxakis, K., Rondiri, V., Arachoviti, P., Almatzi, K., Efstathiou, D., & Stamelou, E., From Field-work to... "air-work": Photogrammetric Applications in Neolithic Landscape Reconstruction, AARG2014, Aerial Archaeology Research Group, Dublin, Ireland, 2014.
- Cantoro, G., Sarris, A., Kalayci, T., Simon, F-X., Donati, J., Manataki, M., Vouzaxakis, K., Rondiri, V., Arachoviti, P., Almatzi, K., Efstathiou, D., & Stamelou, E., Photogrammetric low altitude fieldwork in "Neolithic Thessaly (Greece)": potentials and issues, UAV Conference 2014: Big Work for Small Planes – Using UAVs and Kites for Archaeology, Organized by the ArchaeoLandscapes Europe Project (ArcLand) and the Berlin Free University Excellence Cluster Topoi, Topoi house Dahlem, Berlin, Germany, 23 – 24 May 2014.
- Cuenca-Garcia, C., Sarris, A., Kalayci, T., Simon, F-X., Cantoro, G., Donati, J., Manataki, M., Vouzaxakis, K., Rondiri, V., Arachoviti, P., Almatzi, K., Efstathiou, D., & Stamelou, E., Walking over Magoulas: Mapping Neolithic Tell Settlements in Thessaly (Greece) Using Integrated Archaeo-geophysical Techniques, UISPP International conference 2014, Burgos, Spain, 1-7 September 2014.
- Sarris, A., Donati, J., Cantoro, G., Garcia, C.C., Kalayci, T., Simon, F-X., Manataki, M., Vouzaxakis, K., Rondiri, V., Arachoviti, P., Almatzi, K., Efstathiou, D., & Stamelou, E., Habitation Patterns of the Neolithic Agricultural Villages in Eastern Thessaly (Greece) Through Remote Sensing Applications, European Association of Archaeologists, 20th Annual Meeting, Istanbul, Turkey, 10-14 September, 2014
- Chalikias, K., Cantoro, G. 2013. "Modern Landscape Transformation in East Crete and its Negative Impact on the Cultural and Environmental Heritage: An Archaeological Approach with the Use of Aerial Imagery and Geospatial Data". Archaeological Institute of America - Annual Meeting, Session: 6H: Current Approaches in Heritage Policy and Conservation. Jan. 2013.
- Cantoro, G. 2012. "Fast and Automated Image Rectification with a Small (Free) Software", Aerial Archaeology Research Group News 2012.
- Cantoro, G. 2009. "Creating a Protocol for Mountainous Rocky Areas: Case-studies in Eastern Crete." In Proceedings of the AARG International Annual Meeting, 25-27 September 2009, edited by AARG, Siena.
- Cantoro, G. 2008. "A Modern Ikaros, Diagnostic Methodologies and New Approaches in Defined Contexts." In Proceedings of the AARG International Annual Meeting, 8-11 September 2008, edited by AARG, Ljubljana.
- Cantoro G., 2004. Panels for the exhibition "Cacciatori e Agricoltori Preistorici nella Valle del Fiora" – Viterbo 3 Aprile-2 Maggio 2004.

Technical reports

- Sarris, A. & Cantoro, G., Geophysical Investigations at Venosa, Italy (2013), Laboratory of Geophysical-Satellite Remote Sensing & Archaeo-environment, Institute for Mediterranean Studies - Foundation of Research & Technology (F.O.R.T.H.), Rethymno, Crete, November 6, 2013.
- Sarris, A., Papadopoulos, N. & Cantoro, G., Geophysical Investigations at Alepotrypa (Diros,

Peloponnese) (2012), Laboratory of Geophysical-Satellite Remote Sensing & Archaeo-environment, Institute for Mediterranean Studies - Foundation of Research & Technology (F.O.R.T.H.), Rethymno, Crete, December 16, 2012.

- Sarris, A., Papadopoulos, N. & Cantoro, G., Geophysical Investigations at Szeghalom - Kovácsshalom, Visztu, Hungary (KRAP 2012), Laboratory of Geophysical-Satellite Remote Sensing & Archaeo-environment, Institute for Mediterranean Studies - Foundation of Research & Technology (F.O.R.T.H.), Rethymno, Crete, Greece, September 20, 2012

Individual funding awards

- 22nd **Onassis Fellowships Program** For International Scholars **2016-2017** (<http://www.onassis.org/en/scholarships-foreigners.php>);
- PI for the Second Open Call of the **Research Centre for the Humanities** (<http://www.rchumanities.gr/en/>) **2017**;
- Co-PI for the First **ISAP** (International Society for Archaeological Prospection) Fund award **2016** (<http://www.archprospection.org/isap-fund>);
- BA/MA Fellowship and free hosting at student house from **1996 to 2000**.
- Ph.D. Fellowship, Regione Puglia (Italy), **2007-2010**.
- Research fellowship for period of study in Greece, Italian Ministry of Foreign Affairs, **2009**.
- Research fellowship for period of study in Slovenia, Italian Ministry of Foreign Affairs, **2008-2009**.

Funded International Research Projects

STORM Project [EU funded]:

Co Applicant and WorkPackage Leader for the STORM Project (www.storm-project.eu), WorkPackage 4 "Damage Assessment", T4.1 "Development of Ground Based Sensors" and T4.2 "Damage Assessment Technologies".

Vi-Seem Project [EU funded]:

VI-SEEM aims at creating a unique Virtual Research Environment (VRE) in Southeast Europe and the Eastern Mediterranean (SEEM), with special focus on the scientific communities of Life Sciences, Climatology and Digital Cultural Heritage.

Aristeia - Neolithic Thessaly [EU funded at IMS-FORTH, Greece]:

Low altitude photogrammetric documentation of archaeological Neolithic sites ("Magoules") by means of Remotely Piloted Aerial Systems (also known as UAVs or Drones)

Politeia - Ancient City [EU funded at IMS-FORTH, Greece]:

Low altitude photogrammetric documentation of archaeological Classic sites by means of Remotely Piloted Aerial Systems (also known as UAVs or Drones)

Raw Materials project [Funded by the University of Pisa, Italy]:

in the Raw Materials project, funded by IIPP (Istituto Italiano di Preistoria e Protostoria – Italian Institute for Pre- and Protohistory), the applicant was responsible for the database creation, distribution and management, data analysis and webgis creation. The topic of the project was the distribution of raw materials (animal bone tools, obsidian tools and stone polished) in whole Italy in Neolithic period.

Choiromandres [Funded by the Hellenic Ministry of Culture, Greece]:

from 2005 to 2007, Dr. Cantoro was an active member of the Greek archaeological mission in Crete at Choiromandres. He was responsible for the graphical documentation and for the landscape analysis.

Mochlos [Funded by INSTAP-SCEC, Greece]:

under the supervision and in collaboration with Douglas Faulman, Cantoro was responsible for the graphic documentation with DGPS and CAD applications.

Papadiokampos [Funded by INSTAP-SCEC, Greece]:

responsible for the relief of the area around the archaeological excavation at Crete (with DGPS and total station) and for the photogrammetric reconstruction of the cliff at the seaside (this work is ready to be published).

Aerial Survey in Crete [Funded by INSTAP-SCEC, Greece & IMS-FORTH]:

responsible and photographer for the aerial survey (more than 12 hours until now) of Crete for the need of the funding research centres and of scholars and PhD candidates working at INSTAP and IMS-FORTH.

Hvar [Funded by the University of Ljubljana, Slovenia]:

collaborator in the fieldwork and in photointerpretation for the island of Hvar, Croatia. Survey and fast documentation (with GPS and photogrammetric reconstructions) in excavation in the island.

Aerial Survey in Greece [Funded by the Univ. of Ljubljana and Leiden]:

consultancy, technical support and aerial photographer for the field and aerial survey documentation in

the "Boeotia Project" (prof. J.L.Bintliff, Leiden Univ., and prof. B. Slapsak, Ljubljana Univ.-)

Toirano Cave [Funded by the University of Pisa, Italy]:

external collaborator for the University of Pisa for the relief of the prehistoric cave (with Neanderthal footprints and traces of rituals) in Toirano, Savona-Italy with photogrammetric techniques and Laser scanning comparison (the work is still on-going).

AARG [international organization]:

Dr. Cantoro is a senior and active member of the Aerial Archaeology Research Group, a place for exchange of ideas and information for all those actively involved in aerial photography, photo interpretation, field archaeology and landscape history (this also includes the use of aerial photography in defining preservation policies for archaeological sites and landscapes).

ArchaeoLandscape [EU funded - Internation Institutions]:

Dr. Cantoro is organizing member of the European financed (Culture 2007-2013) project Archaeolandscapes with active involvement in the Action 3 (Promoting the exchange of skills, experience and job opportunities), Action 4 (Enhancing the teaching of remote sensing and landscape studies) and Action 6 (Support for aerial survey, remote sensing and landscape exploration).

Teaching and Tutoring

- (2018) ARES - Summerschool on Drones in Archaeology, Lecce (**Italy**)
- (2017) Workshop on Photogrammetry for Cultural Heritage, Rethymno (**Greece**).
- (2017) Workshop on GIS for Archaeological and Historical studies, Rethymno (**Greece**).
- (2017) Class on Aerial Archaeology (BA/MA, PhD level) - University of Athens (**Greece**).
- (2017) Class on Aerial Archaeology (BA/MA, PhD level) - University of Crete (**Greece**).
- (2016) Workshop on Aerial Photogrammetry for Cultural Heritage - University of Athens (**Greece**).
- (2015) Workshop on Drones in Archaeology - University of Salento (Lecce), **Italy**.
- (2015) Workshop on (digital and pencil) documentation of archaeological contexts, University of Pisa, **Italy**.
- (2015) Workshop on archaeological photogrammetry at the University of Poznan, **Poland**.
- (2014) "Archaeology from the Sky", Intensive 2 months Masterclass for the University of Leiden (Leiden, Rome, Ielsi), **Netherlands and Italy**.
- (2014) "Following in Diomedes's footsteps", MA class on Italic people for the course of World Archaeology at the University of Leiden, **Netherlands**.
- (2014) Photogrammetry for architectural documentation, in the framework of the project "Neighborhoods of Ostia", University of Leiden (NL), **Italy**.
- (2013) Ground and Aerial Tutor in workshop on Non-Invasive Archaeological Training School, Pecs, **Hungary**.
- (2013) "Leiden Technical Field-School for Students", University of Leiden and IMS-FORTH, **Netherlands and Greece**.
- (2013) "2D-3D-4D... Hands-on Workshop", University of Leiden and IMS-FORTH, Amersfoort, **Netherlands**.
- (2013) Archaeological photogrammetry at the international meeting "Recovering Lost Landscape: Historic Aerial Images", for the Archaeological Institute of Belgrade, **Serbia**.
- (2012) Organizer and Lecturer at the First Aerial Archaeology Research and Training School (AARTS) in Kocaeli, Istanbul University, **Turkey**.
- (2011) Instructor, 1st Aerial Archaeology Training School in Kostolac (**Serbia**), Aerial Archaeology.
- (2006-2008) Board of education for students of primary and secondary school, Museum of Viareggio and Museum of Camaiore (Lucca, **Italy**), laboratory of experimental archaeology and visits to the exhibition.

Invited lectures

- (2018) Invited lecturer to Italian Aerial Photography Archive, Rome, **Italy**.
- (2017) Invited lecturer for the Conference on Environmental and Landscape Archaeology organized in Athens by the National and Kapodistrian University of Athens, **Greece**.
- (2015) Invited lecturer for the "Sensing the Past" ArchaeoLandscapes Event, **Germany**.
- (2014) Invited Lecturer for the "UAV Public Workshop and Conference", Berlin, **Germany**.
- (2014) Invited Lecturer for the course "Remote Sensing Technologies in Cultural Heritage

(RESTeCH I)", Rethymno, Crete - **Greece**.

- (2013) Invited lecturer for the UAV experts round-table, ArchaeoLandscapes. **Greece**.
- (2013) Invited Lecturer for the course "Remote Sensing Techniques in Archaeological Research (RESTAR II)", Rethymno, Crete - **Greece**.
- (2012) Lecture on "Aerial Remote Sensing in Archaeology: application in mountainous landscapes" for INSTAP-SCEC, Crete - **Greece**.
- (2012) Invited Lecturer for the workshop "Remote Sensing Techniques in Archaeological Research (RESTAR)", Rethymno, Crete - **Greece**.
- (2012) Master Lecture "Non-invasive diagnostic methods in archaeology: applications of geophysics and aerial remote sensing" at the University of Crete (Greece), Dpt. of History and Archaeology, Crete - **Greece**.
- (2012) Preparatory course in Computer Applications in Archaeology for Turkish students at the University of Istanbul for the AARTS Summer School, **Turkey**.
- (2012) Lecture on Aerial Archaeology for the field-school of the University of Leiden at Ostia and Isernia, **Italy**.
- (2011) Invited Lecturer, Interdisciplinary Studies of Karstic Landscapes (INTERKRAS), EU funded project organized by seven (7) universities from Slovenia, Croatia, Italy and Slovakia, Photogrammetry in Archaeology, **Serbia**.
- (2009) Invited Lecturer, University of Ljubljana (Slovenia), Department of Archaeology, GIS in Archaeology, **Slovenia**.
- (2008) Invited Lecturer, University of Pisa, Museology and E-Museums, **Italy**.

Organization of Conference and Exhibition

- Organization of Conference "Views over the Cretan Landscape" - 3/10/2017
- Organization of Photographic exhibition "High Above the Mountains" - 1-31/8/2017

Peer reviewer

Official reviewer for:

Computer Application and Quantitative Methods in Archaeology [International and Greek chapter]

Occasional reviewer for the following scientific journals:

Archeologia Aerea; Journal of Archaeological Prospections; Journal of Field Archaeology; Journal of Cultural Heritage; Remote Sensing; GeoArchaeology; Journal of Open Archaeological Data; Drones; Science and Technology of Archaeological Research (STAR); Studies in Digital Heritage (SDH)