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Laboratory of Geophysical-Satellite Remote
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Education:

1992: PhD in Physics, Dept. of Physics & Astronomy, University of Nebraska-Lincoln, USA
1990: MSc in Physics, Dept. of Physics & Astronomy, University of Nebraska-Lincoln, USA
1988: MSc in Physics, Dept. of Physics, Boston University, USA
1985: BA in Astronomy & Physics, Dept. of Physics, Boston University, USA

Previous Employment/Occupation:

2007-present: Research Director, FORTH/IMS
2002-2007: Principal Researcher, FORTH/IMS
1999-2002: Associate Researcher, FORTH/IMS
1996-1999: Research Collaborator, FORTH/IMS
1993: Research Consultant, Integrated Information Systems, Ltd.
1987: Visiting Research Assistance, Brookhaven National Labs (BNL), U.S.A.

Research Activities:

Applied Geophysics & Remote Sensing. Geophysical Prospection of Archaeological Sites. Signal Processing, mapping and modelling. Site Assessment & modeling through the application of Satellite Remote Sensing and Geographical Information Systems (G.I.S.). Satellite image processing and classification techniques. Digital archaeological maps. Cultural Resources Management (CRM). Environmental research. Geo-Information Systems.

Participation in Research Projects:

Current: Information Society, Instap, GGET, Interreg III/Archimed, PENED
Past programmes: e-Content, GGET bilateral programs (Cyprus, Bulgaria, China), Interreg III/Archimed, PENED, Instap, EPEAEK-Archimedis, Information Society, EMERIC-CRINNO,

Publications:

PhD Thesis, 3 chapters in books, 1 Proceedings Volume, 30 refereed journal papers, 32 refereed papers in books of proceedings, 12 in non-refereed journals, 62 Technical Reports, 3 Technical Guides.

Conference Participation/Attendance:

Presentation of 90 Oral and 53 Poster communications and in 48 international and 22 national conferences.

Teaching Activities (current):

Graduate:

1995-2008: Contracted Lecturer, Dept. of Geology, Aristotle University of Thessaloniki
2002-2004: Contracted Lecturer, Dept. of History & Archaeology, Univ. of Crete.
2002-2003: Contracted Lecturer, Dept. of Philosophy & Social Sciences, Univ. of Crete.
1998-2000: Contracted Lecturer, Dept. of History & Archaeology, Univ. of Crete.

Undergraduate:

2001-2006: Contracted Lecturer, Dept. of Natural Resources & Environment, TEI Chania
1994-1999: Contracted Lecturer, National Air-force Academy, Greek Air-force
1995-1996: Contracted Lecturer, University of Maryland – European Division, Souda.

Conference Seminar Organisation:

- Member of the Int. Scientific Committee of the 5th *Symposium of the Hellenic Society for Archaeometry (HSA)*, Athens (2008).
- Member of the Int. Scientific Committee of the *I International EARSeL Workshop on "Advances in Remote Sensing for Archaeology and Cultural Heritage Management"*, Rome (2008).
- Member of the Program Committee and Reviewer Committee of the 1st *International Conference on Computer & Computing Technologies in Agriculture "VCCTA2007"*, Wuyishan, China (2007).
- *Member of the International Advisory board of the XVII International Summer School in Archaeology: Exploring Archaeological Landscapes – From Archaeological Record to Virtual Reality* (University of Siena at Grosseto & CNR-ITABC) (2006)
- Member of the Scientific Committee of the 2nd *International Conference on "Remote Sensing Archaeology: From Space to Place"*, Rome, Italy (2006)
- Member of the Scientific Committee of the *International Congress "Cultural Heritage and New Technologies: Why document and analyse Cultural Heritage with modern technologies?"*, Wien, Austria (2006)
- Member of the Scientific Committee of the *International Congress "Cultural Heritage and New Technologies"* Wien, Austria (2005)
- Member of the Program Review Committee and Scientific Committee of the Computer Applications and Quantitative Methods in Archaeology Conference *"The World in your Eyes" / CAA2005*, Tomar, Portugal (2005).
- Member of the scientific Committee of the *International Conference on Remote Sensing Archaeology*, Beijing, China (2004)
- Member of the Program Review Committee and Scientific Committee of the Computer Applications and Quantitative Methods in Archeology Conference - *Enter the Past / CAA2003*, Vienna, Austria (2003)
- Member of the *Organizing Committee* of the Computer Applications in Archaeology Conference (*CAA2002*), Herakleio, Crete (2002)
- Member of the *Organizing Committee* of the 1st *Balkan Geophysical Symposium*, Athens (1996)

Professional Affiliations:

- Vice-chair of the International Society for Archaeological Prospection (ISAP) since 2008
- Assistant National representative in the Scientific Committee for Peace and Safety of NATO (NATO/Committee on Science for Peace and Security/SPS) (2006-today)
- Member of AGILE – Association Geographic Information Laboratories Europe
- Member of Archaeological Remote Sensing Consortium (ARSC), the National Society of Greek Physicists (N.S.G.P.), the Greek Archaeometric Society (E.A.E.), the Greek Society of Geographical Information Systems (G.S.G.I.S.), the Society for Archaeological Sciences (S.A.S.)

Editorship of Journals:

- *Associate Editor of Archaeological Prospection Journal* (J. Wiley & Sons, Ltd.) since 2002
- Member of the Review Committee for the WSEAS (World Scientific and Engineering Academy and Society) since 2007
- *Associate Editor* (Remote Sensing and GIS) of SAS (Society for Archaeological Sciences) Bulletin since 1997
- *Editor* (Remote Sensing and GIS) of *Archaeo-Telepiskopika Nea* (Bulletin of the Laboratory of Geophysical-Satellite Remote Sensing & Archaeo-environment since 1998)

Prizes/Honours:

Award of the Foundation for Research and Technology for Connection with Production, Products and Services and Promotion of F.O.R.T.H. (2003), Empeirikion Foundation Research Award (1997-1999), Alexander Onassis (1989-1992), The Geological Society of America Research Grant (1991).

Selected Publications:

- Sarris, A., Remote Sensing Approaches/Geophysical, in *Encyclopedia of Archaeology*, ed. By Deborah M. Rearsall, Academic Press, New York, vol. 3, pp. 1912-1921, 2008.
- Hayden, B., Bassiakos, Y., Kalpaxis, Th., Sarris, A. and Tsipopoulou, M., A New Exploration of Priniatikos Pyrgos: Primary Harbor Settlement and Emporium of the

Vrokastro Survey Region, in *Krinoi kai Limenes: Studies in Honor of Joseph and Maria Shaw*, ed. By P.P. Betancourt, M.C. Nelson and H. William, Instap Academic Press, Philadelphia, Pennsylvania, pp. 93-100, 2007.

- Papadopoulos, N.G., P. Tsourlos, G.N. Tsokas & A. Sarris, Efficient ERT Measuring and Inversion Strategies for 3D Imaging of Buried Antiquities, *Journal of Near Surface Geophysics, Archaeogeophysics Issue*, EAGE, pp. 349-361, 2007.
- Kalpaxis, Th., Athanassas, K., Bassiakos, I., Brennan, J., Hayden, B., Noradou, E., Pavlopoulos, K. and Sarris, A., Preliminary Results of the Istron, Mirabello, Geophysical and Geoarchaeological Project, 2002-2004, *The Annual of the British School at Athens 2006*, no 101, pp. 135-181, 2007.
- Yerkes, R., Sarris, A., Frolking, T., Parkinson, W., Gyucha, A., Hardy, M. and Catanoso, L., Geophysical and Geochemical Investigations at Two Early Copper Age Settlements in the Koros River Valley, Southeastern Hungary, *Geoarchaeology*, Volume 22, Issue 8, pp. 845-871, 2007.
- Sarris, A., Dunn R.K., Rife, J.L., Papadopoulos, N., Kokkinou, E., Mundigler, C., Geological and Geophysical Investigations in the Roman Cemetery at Kenchreai (Korinthia), Greece, *Journal of Archaeological Prospection*, no 14, pp. 1-23, 2007.
- Rowlands, A. & Sarris, A., Detection of Exposed and Subsurface Archaeological Structures Using Multi-sensor Remote Sensing, *Journal of Archaeological Sciences*, Volume 34, Issue 5, Pages 795-803, 2007.
- Sarris, A., K. Kouriati, E. Kokkinou, E. Aedona, L. Karagianni, G. Vargemezis, G. Stamatias, M. Elvanidou, E. Katifori, M. Kaskanioti[†], S. Soetens, Th. Kalpaxis, Y. Bassiakos, C. Athanassas, B. Hayden & T. Brennan, A Multi-disciplinary Approach to Industrial Sites of the Vrokastro Region of Mirabello, Eastern Crete, *Proceedings of the XXXIII Computer Applications and Quantitative Methods in Archaeology Conference: The World in Your Eyes*, edited by A. Figueiredo & G. Velho, Tomar, pp. 211-217, 2007.
- Papadopoulos, N.G., P. Tsourlos, G.N. Tsokas & A. Sarris, Two-dimensional and Three-dimensional Resistivity Imaging in Archaeological Site Investigation, *Journal of Archaeological Prospection*, 13, pp.163-181, 2006.
- Σαρρής, Α., Αρχαιολογική Έρευνα και Νέες Τεχνολογίες – Αποκωδικοποίηση και Ανασύνθεση του Πολιτισμικού Χώρου Χωρίς Ανασκαφή, *Scientific American*, Greek edition, σελ. 94-100, June 2005.
- Sarris, A., Karakoudis, S., Vidaki, Ch. & Soupios, P., Study of the Morphological Attributes of Crete through the Use of Remote Sensing Techniques, *IASME Transactions*, Issue 6, volume 2, pp. 1043-1051, August 2005.
- Doerr, M & Sarris, A. editors, *Proceedings of the CAA2002 International Conference: Computer Applications & Quantitative Methods in Archaeology. The Digital Heritage of Archaeology*, Archive of Monuments and Publications, Hellenic Ministry of Culture, Athens, 2003.
- Vafidis, A., Manakou, M., Kritikakis, G., Voganatsis, D., Sarris, A. & Kalpaxis, Th., Mapping the Ancient Port at the Archaeological Site of Itanos (Greece) Using Shallow Seismic Methods, *Journal of Archaeological Prospection*, no 10, pp.163-173, 2003.
- Soetens, S., Sarris, A., Vansteenhuyse, K., Defining the Minoan cultural landscape by the use of GIS, *European Space Agency, (Special Publication) ESA SP*, (515), pp. 181-184, 2002
- Sarris, A. & Jones, R., Geophysical and Related Techniques Applied to Archaeological Survey in the Mediterranean: A Review, *Journal of Mediterranean Archaeology (JMA)*, v.13, no.1, pp. 3-75, June 2000.