

# Tuna KALAYCI

Institute for Mediterranean Studies  
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## **Education**

- Ph.D. Department of Anthropology – 2013  
University of Arkansas, Fayetteville AR, USA
- M.S. Graduate Program of Settlement Archaeology – 2006  
Middle East Technical University, Ankara, Turkey
- B.S. Department of Statistics - 2003  
Middle East Technical University, Ankara, Turkey

## **Academic Appointments**

2013- Current

Post-Doctoral Scholar, “Development and Application of New Technologies for Capturing the Dynamics of Cultural Landscapes”, Institute for Mediterranean Studies, Crete

2010 – 2013

Research Assistant, "NASA Space Archaeology Program- Settlement Systems and Environmental Change in the Northern Fertile Crescent", Center for Advanced Spatial Technologies (CAST), University of Arkansas

2008 – 2010

Research Assistant, “CORONA Digital Atlas of the Middle East Project”, Center for Advanced Spatial Technologies (CAST), University of Arkansas

2007

Teaching Assistant, “Introduction to Cultural Anthropology”, Department of Anthropology, University of Arkansas

2004-2007

Project Assistant, "Kerkenes Project", Middle East Technical University, Ankara, Turkey

## **Archaeological / Geophysical Fieldwork**

Therasia Island (Greece) Geophysical Survey

Thessaly Neolithic (Greece) Geophysical Survey

Therasia Island (Greece) Geophysical Survey

Trapeza Aigiou (Greece) Geophysical Survey

Thessaly Neolithic (Greece) Geophysical Survey

Hirbemerdon Tepe (Diyarbakır, Turkey) Archaeological Field Survey

Glen Canyon, Defiance House (Utah, USA) GPS Survey

Tell Hamoukar (Syria) Excavation, Spectrometer Survey

Tell Qarqur (Syria) Excavation, Archaeological Field Survey, Spectrometer Survey

Kinet Hoyuk (Hatay, Turkey) Geophysical Survey

Domuztepe (Kahramanmaraş, Turkey) Geophysical Survey

Komana Pontika (Tokat, Turkey), Geophysical and Topographical Survey

Yalıncağ-Koçumbeli (Ankara, Turkey) Geophysical Survey

Çatalhöyük (Konya, Turkey) Database Documentation, Excavation  
Hakemi Use (Diyarbakır, Turkey) Database Construction, Excavation  
Kerkenes Dag (Yozgat, Turkey) Geophysical Survey and Excavation, Database Construction,  
Geographical Information Systems and Remote Sensing, GPS Post-Processing and Data Analysis

### **Publications**

- Kalayci, T. 2015 A Review on the Potential Use of CORONA Images of Greece. In *Proceedings of the Computer Applications in Archaeology Conference (CAA-GR) Rethymno, Crete, 7-8 March 2014*
- Kalayci, T. 2014. Review of: High Resolution Optical Satellite Imagery. *Photogrammetric Engineering and Remote Sensing* 80(3): 213
- Sarris, A., Kalayci, T. and N. Papadopoulos. 2013. Geophysical Prospection on the Volcanic Environs of Therasia Island, Cyclades, Greece. *ISAP News* (37): 2-4.
- Casana, J., J.Cothren and T.Kalayci. 2012. "Swords into Ploughshares: Archaeological Applications of CORONA Satellite Imagery in the Near East" *Internet Archaeology* 32
- Kalayci, T. 2009. Review of: Manual of Geographic Information Systems. American Society of Photogrammetry and Remote Sensing (ASPRS): Bethesda, MD. ASPRS Student/Associate Members
- Kalayci, T. 2009. "Predictive Modeling of Settlement Mounds in the Lake District Region and its Immediate Environs." In *Proceedings of the XI Symposium on Mediterranean Archaeology (SOMA), Istanbul Technical University, 24 and 29 April 2007*, ed. C.O. Aygun, 171–178. BAR Archaeopress.
- D. B. Erciyas, Sokmen, E. and T.Kalayci 2008 "Tokat İli Komana Antik Kenti Yüzey Araştırması 2006" 25. Araştırma Sonuçları Toplantısı 2. Cilt 28 Mayıs-1 Haziran 2007, Kocaeli, 197-212

### **Conferences and Workshops**

- Kalayci, T. 2014. "Geophysical methods" Ariadne Modeling scientific data. 21 – 24 July 2014 Souda Bay, Plakias, Rethymnon
- Kalayci, T. 2014. "A Re-evaluation of the Early Bronze Age Collapse in Upper Mesopotamia". Computer Applications and Quantitative Methods in Archaeology (CAA) April 22-25, 2014. Paris, France
- Kalayci, T. 2014. "A Review on the Potential Use of CORONA Images of Greece". Computer Applications and Quantitative Methods in Archeology (CAA) – Greece Chapter March 6-8, 2014. Rethymnon, Greece.
- Kalayci, T. 2014. "The Geophysical Survey: beyond the Site". Computer Applications and Quantitative Methods in Archeology (CAA) – Greece Chapter March 6-8, 2014. Rethymnon, Greece.
- Kalayci, T. 2014. Agricultural surplus, climate change and the "Collapse" of an urban system: A remote sensing approach. REMote Sensing Technologies in Cultural Heritage Workshop (RESTeCH I), Laboratory of Geophysical-Satellite Remote Sensing & Archaeoenvironment, Rethymnon, Greece
- Kalayci, T. 2013 "Demographic Incentives of Early Bronze Age Agricultural Production in Upper Mesopotamia: A Reevaluation". American Schools of Oriental Research. November 20-23 2013, Baltimore. Casana, J., Cothren, J., and T.Kalayci. 2012." Settlement Systems of the Northern Fertile Crescent: Results from the Corona Imagery Atlas Project. Society for American Archaeology 77<sup>th</sup> Annual Meeting, Memphis, TN.
- Kalayci, T. 2012. "Agricultural Sustainability of the Early Bronze Age Settlement Systems in the Syrian Jazira" Association of American Geographers (AAG) Annual Meeting, New York City, New York.
- Kalayci, T. 2011." CORONA Archaeological Atlas of the Middle East: An Early Bronze Age Case Study from the Atlas" Association of American Geographers (AAG) Annual Meeting, Seattle, Washington.