Katherine A. Crawford

Roman Archaeology, Urbanism, Computational Modelling

Department of Archaeology
University of Southampton
K.A.Crawford@soton.ac.uk
ORCID iD: 0000-0001-7616-6099

EDUCATION

2019   **University of Southampton,** *PhD in Archaeology*
Thesis: In the Footsteps of the Gods: The use of computational methods to explore the role of mobility in the religious landscape of 2nd century AD Ostia.
Supervisors: Prof. Simon Keay; Dr. Dragana Mladenović

2014   **University of Haifa,** *MA in Maritime Civilizations*
Supervisor: Prof. Assaf Yasur-Landau

2013   **University of British Columbia,** *MA in Classical Archaeology*
Research Paper: The Function of Egyptian Cult Structures within Ancient Macedonia's Urban Environment
Supervisor: Prof. Hector Williams

2011   **St. Olaf College,** *BA in English, Latin, and Medieval Studies*

TEACHING EMPLOYMENT

2018–19   **Lead Demonstrator,** University of Southampton
3D Printing Workshop Faculty of Engineering and the Environment.
Management of 15 demonstrators and overseeing the weekly organization of the workshop. The role additionally involves liaising with other faculty members across the university

2016   **Course Leader,** University of Southampton
'Let Trumpets Roar': Religious Spectacle in Ancient Rome
Developed and taught the course as a Life Long Learning module.

2015–17   **Demonstrator,** University of Southampton
3D Printing Workshop Faculty of Engineering and the Environment.

2016   **Undergraduate Co-Dissertation Advisor,** University of Southampton

2016–17   **Seminar Leader,** University of Southampton
The Power of Rome: Europe's First Empire; Archaeological Methods; Classical and Medieval Archaeology
Duties involved providing selected lectures and seminars as well as grading essays and exams.

2015   **Education Facilitator,** University of Southampton
Helped to supervise two runs of the Portus MOOC (massive open online course). Additionally supplied both written and video contributions related to Ostia.

2011–13   **Teaching Assistant,** University of British Columbia
Classical Mythology; Alexander the Great and His Empire; The Roman Army; Ancient Greece
Duties involved giving selected lectures, holding office hours, and grading essays and exams.

2010–11   **Latin Tutor,** St. Olaf College
Tutor for students in beginning and intermediate Latin classes.

ACADEMIC EMPLOYMENT/SERVICE

2019–21	**TRAC** (Theoretical Roman Archaeology Conference) **Standing Committee (chair)**
2018	**Research Assistant** Working for Prof. Simon Keay on Portus research
2015	**Faculty Administrative Officer,** University of Southampton Administrative assistant for the Associate Dean of Humanities/Research & Enterprise.
2014–17	**Public Outreach** Maritime Archaeology Trust Volunteer (2014-15); Festival of Archaeology, Salisbury (2015) Bright Club, researchers stand-up comedy (2015); Southampton Archaeology Day (2017)
2015–16	**Archaeology Student-Staff Liaison Committee,** University of Southampton Post-Graduate Research representative
2014–16	**PGR Archaeology Representative,** University of Southampton Post-Graduate Research student representative
2013–14	**The Coastal Archaeology and Underwater Survey Lab,** University of Haifa Pottery assemblage analysis from Caesarea, Nahlieli, & Achziv
2012–13	**Departmental Representative,** University of British Columbia Representative for the collective body of MA students

PEER-REVIEWED PUBLICATIONS

In Prep.	**K.A. Crawford** "Visualizing the Invisible: Reconsidering Processional Studies at Ostia" In V. Manolopoulou - H. Corwell - I. Papadogiannakis (eds.), *Processions in Antiquity.*
In Review	S. Keay - P. Campbell - **K.A. Crawford** - M.d.C Moreno Escobar "Space, Accessibility, and Movement at the Portus Romae" In F. Vermeulen - A. Zuiderhoek (eds.), *Space, Movement and the Economy in Roman Cities in Italy and Beyond.* Routledge.
In Review	**K.A. Crawford** "Displaying Rituals: Simulating Cult Economy at Ostia" In T. Brughmans - A. Wilson (eds.), *Simulating Roman Economies.* OUP.
In Review	**K.A. Crawford** "Digital Approaches to Studying Ritual Space at Ostia " *Open Archaeology.*
In Review	**K.A. Crawford** "Modelling Processional Movement at Ostia" *AIAC 2018 Proceedings.*
In Press	T. Brughmans - J. Hanson - M. Mandich - I. Romanowska - X. Rubio-Camillo - S. Collins-Elliott - **K.A. Crawford** - et al. "Formal modelling approaches to complexity science in Roman Studies: a manifesto", *Theoretical Roman Archaeology Journal*
In Press	**K.A. Crawford** "Unravelling Urban Religious Landscapes: the impact of commercial activity on religious movement at Ostia." In G. Glover - J. Moss - D. Rissolo (eds.), *2017 Proceedings of Computer Applications & Quantitative Methods in Archaeology.*
2019	**K.A. Crawford** "Rethinking approaches for the study of urban movement at Ostia" In P. Verhagen - J. Joyce - M. Groenhuijzen (eds.), pp. 313–327, *Finding the Limits of the Limes.* Springer.
2014	**K.A. Crawford** "Review of Bricault, L. 2013. Les Cultes isiaques dans le monde gréco-romain. Paris: Les Belles Lettres." *The Classical Review* 64.2.

CONFERENCE/SEMINAR ORGANIZATION

2015–16   **Roman Archaeology Research Group**, University of Southampton
Founder, seminar series coordinator

2016   **Theoretical Archaeological Group,** University of Southampton
Committee member; Volunteer Coordinator

2015   **Postgrad Research Archaeology Symposium 2015,** University of Southampton
Conference Chair

SESSION CHAIR

2019   **Pre-Modern Cities and Complexity** (w/ Paliou - Romanowska - Artopoulos)
Computer Applications & Quantitative Methods in Archaeology: Kraków, Poland

2018   **Panel II,** Topographies in Motion: Urban Movement and Mobility in Late Antiquity: Munich, Germany

2018   **Cities of Data: computational and quantitative advances to urban research** (w/ Paliou - Stöger), Computer Applications & Quantitative Methods in Archaeology: Tübingen, Germany

INVITED LECTURES

2019   **Portus Romae: Discovering the Ports of Rome,** 32nd Annual UASBC Shipwrecks Conference: Vancouver, Canada

2018   **Using ABM to Model Ritual Practices,** DySoC: Critical Workshop on Modelling Complex Systems in Archaeology: Knoxville, USA

2018   **Visualizing the Invisible: Rethinking Urban Processional Movement at Ostia Antica,** Moving through time: procession from the classical past to Byzantium: ICS - London, UK

2018   **Ritual Movement in a Port Context: The Case of Ostia,** Portus-Limen Workshop: BSR - Rome, Italy

2017   **Walking Between Gods and Mortals: Visualizing religious movement at Ostia,** Roman Discussion Forum: Oxford, UK

2017   **In the Footsteps of the Gods: network approach to modelling Roman processions,** Digital Classicist Seminar Berlin: DAI - Berlin, Germany

2013   **Cults, Gods, and Temples: Egyptian Religion in Roman Macedonia,** University of British Columbia Archaeology Day: Vancouver, Canada

2013   **Sacred Cities of Ancient Macedonia: Amphipolis, Dion, and Philippi,** The Canadian-Hellenic Cultural Society: Vancouver, Canada

CONFERENCE PAPERS

2019   **To Move as One: Simulating Crowd Movement Dynamics in the Ancient City,** Computer Applications & Quantitative Methods in Archaeology: Krakow, Poland

2019   **Street Mobility and Urban Development,** Theoretical Roman Archaeology Conference: Canterbury, UK

2018	**From Moving Rituals to Ritual Space: A new computational approach**, Digital Humanities and Ritual Space: Crete, Greece
2018	**How Do I Model Urban Movement?,** European Association of Archaeologists: Barcelona, Spain
2018	**A Landscape of Gods? Reassessing the Study of Processional Movement at Ostia**, 19th International Congress of Classical Archaeology: Cologne, Germany
2018	**How Does a City Structure Moving Rituals? A complexity approach to processional movement at Ostia,** Theoretical Roman Archaeology Conference: Edinburgh, UK
2018	**From Urban Data to Urban Movement: The application of computational approaches for studying ritual movement at Ostia,** Computer Applications & Quantitative Methods in Archaeology: Tübingen, Germany
2017	**Religious Movement within the Cityscape: the potential of applying network methods,** The Connected Past 2017: The Future of Past Networks?: Bournemouth, UK
2017	**Unravelling Urban Religious Landscapes: modelling processions at Ostia,** Computer Applications & Quantitative Methods in Archaeology: Atlanta, USA
2017	**Visualizing the Invisible: How can we model Roman religious processions?** Society for American Archaeology: Vancouver, Canada
2017	**Walking between Gods and Mortals: reconsidering the movement of Roman religious processions,** Finding the limits of the limes: Amsterdam, Netherlands
2017	**Beyond the Temple: Urban Integration of Ostia's Serapeum,** Archaeological Institute of America: Toronto, Canada
2016	**Human and Divine Interactions: visualizing religious activity at Ostia,** Theoretical Archaeology Group: Southampton, UK
2016	**Choreographing Religious Spectacle: Processional Movement at Ostia,** Theoretical Roman Archaeology Conference: Rome, Italy
2016	**The Cityscape and Religious Activity: New Insights into Processions at Ostia,** Archaeological Institute of America: San Francisco, USA
2015	**Invisible Movements of the Past: Modelling Roman Urban Processions**, VIII Young Researchers in Archaeology Conference: Lisbon, Portugal
2015	**Executioners, Priests, and Entrails: Viewer Response to Animal Sacrifice,** Archaeological Institute of America: New Orleans, USA
2012	**Comprehending Death in Antiquity: a spatial study of Isiac Temples and Early Christian Basilicas in Ancient Macedonia,** CNERS Graduate Student Conference
2012	**Senatorial Decrees Against the Cult of Isis 58 –28 BC,** HGCSA Graduate Conference: Alberta, Canada

ARCHAEOLOGY FIELDWORK

Supervisory Roles:

2016   **Cranborne Chase** ♦ UK
     Director: Kristian Stutt
     Co-supervisor of undergraduate training excavation

2013   **Tel Kabri** ♦ Tel Kabri, Israel
     Directors: Dr. Assaf Yasur-Landau and Dr. Eric Cline
     Square supervisor

2013   **The Jezreel Expedition** ♦ Tel Jezreel, Israel
     Directors: Dr. Norma Franklin and Dr. Jennie Ebeling.
     Square Supervisor

2012   **The Megiddo Expedition** ♦ Tel Megiddo, Israel
     Directors: Dr. Israel Finkelstein, Dr. David Ussishkin, and Dr. Eric Cline.
     Square Supervisor, Assistant Registrar

Volunteer Roles – Field Archaeologist:

2015   **Portus Project** ♦ Portus, Italy
     Director: Prof. Simon Keay

2015   **Old Sarum** ♦ Salisbury, UK
     Director: Kristian Strutt
     Geophysical survey using resistivity, magnetometry, and GPR

2014   **Fazael Excavation** ♦ Jordan Valley, Israel
     Director: Dr. Shay Bar

2013   **Tel Shikmona** ♦ Haifa, Israel
     Director: Dr. Shay Bar

2011–12 **Stobi Excavation** ♦ Stobi, Macedonia
     Director: Silvana Blazhevska

Volunteer Roles – Maritime Archaeologist:

2018   **Ma'agan Michael B** ♦ Israel
     Director: Dr. Deborah Cvikel
     Maritime excavation

2014   **Tel Dor; South Bay** ♦ Tel Dor, Israel
     Director: Dr. Assaf Yasur-Landau and Dr. Alexandra Ratzlaff

2014   **Akko Survey** ♦ Akko, Israel
     Director: Prof. Yaacov Kahanov and Dr. Deborah Cvikel
     Maritime survey and excavation of Akko Bay

2014   **Tel Dor; North Bay** ♦ Dor, Israel
     Director: Dr. Assaf Yasur-Landau
     Terrestrial and maritime excavation and survey

AWARDS & FUNDING

2017; 18; 19	CAA Bursary (conference grants) (€1,000)
2018	Unlocking Sacred Landscapes Network Award (conference grant)(€80)
2018	Barbican Research Associates Bursary (conference grant) (£80)
2017	SAA Bursary (conference grant) ($ 175)
2016	TRAC Bursary (conference grant) (£140)
2016; 17	Faculty Support Studentship, Southampton (research grants) (£ 2,000)
2016; 17	AIA Graduate Student Travel Grant (conference grants) ($ 250)
2015	PGR Reading Group (organizing seminar series grant) (£ 200)
2014–16	Humanities PGR Research Fund, Southampton (research grants) (£ 1,500)
2014–17	Faculty of Humanities Studentship, Southampton (tuition for PhD) (£ 30,000)
2013	Tuition Award, Haifa (tuition) ($ 3,000)
2013	Dennis Molnar Travel Scholarship in CNERS, UBC (fieldwork grant) ($ 300)
2012–13	International Tuition Award, UBC (tuition) ($ 3,200)
2012	Faculty of Arts Graduate Award, UBC (tuition) ($ 5,000)
2012	Malcolm F. McGregor Memorial Scholarship, UBC (fieldwork grant) ($ 750)
2012	UBC Graduate Travel Award Fund, UBC (conference grant) ($ 400)
2011–12	International Tuition Scholarship, UBC (tuition) ($ 3,200)
2010; 11	Classics Groomis Grant, St. Olaf College (fieldwork grant) ($ 1,400)
2011	Classics Travel Grant, St. Olaf College (conference grant) ($ 500)

ADDITIONAL SKILLS

Simulation platforms: Netlogo, Python

GIS: ArcGIS; QGIS

3D Printing: Ultimaker 3, Prusa, Malyan M200, Monoprice Select Mini; UP! Plus, UP! Box

Digital Media: AutoCAD, 3ds Max, Adobe, Photoshop, Illustrator, Cura, Slic3r

Teaching and Training Certifications:

2018	Ultimaker 3 Certification
2014	Introduction to Teaching Skills II for PGRS, University of Southampton
2012–13	CNERS TA Training Program, University of British Columbia
2011	Instructional Skills Workshop, University of British Columbia

Diving Certifications:

2014	**BSAC:** Sports Diver
2014	**TIDF:** Advanced Diving Certification
2014	**ANDI:** Nitrox; Rescue Diver