

# Welcome to CAAUK 2018 Edinburgh

We hope that you enjoy the CAAUK 2018 Edinburgh conference. It would not be possible without our sponsors:



The work of many people such as the organising committee:

Emma O'Riordan

Xavier Rubio-Campillo

Doug Rocks-Macqueen

Filming:

Ben Lewis

Volunteers:

Roxanne Guilford

James Page

Leo Sucharyna

Andrew McLean

We have been able to support 12+ bursaries this year thanks to you and donations from: Huggett, Andrews and Donnelly

# Friday, 26<sup>th</sup> October

## MAIN HALL

## LOWER HALL

10:30 AM	Registration and Sign Up desk open		---	
11:00 AM	Start/House Keeping		---	
11:10 AM	Keynote 1		---	
11:50 AM	The Antonine Wall in the Digital Age	<i>Patricia Weeks</i>	Visualising and researching complex prehistoric cemetery sites: the Ossi project (Sardinia, Italy)	<i>Guillaume Robin</i>
12:10 PM	Analysing the use of light and space in Neolithic Malta through the use of custom Unity3D scripting	<i>Robert Barratt</i>	Digging into Early Colonial Mexico: old sources, new approaches	<i>Raquel Liceras-Garrido</i>
12:30 PM	The conservation and management of Historic vessels and the utilisation of 3D data for information modelling	<i>Dan Atkinson</i>	Rise of the machines: automating photogrammetry for on mass digitisation of objects in archaeology and heritage	<i>Richard Benjamin Allen</i>
12:50 PM	<b>Lunch (served in main hall)</b>			
1:40 PM	Start/House Keeping		Start/House Keeping	
1:50 PM	Community co-production of 3D rock art models in Scotland	<i>Tertia Barnett</i>	<b>FISH session</b> - Making the Links: Practical Applications of Data Standards	<ul style="list-style-type: none"> <li>The contribution of data standards to the</li> </ul>

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## MAIN HALL

<b>2:10 PM</b>	Taming the chronology of South Gaulish Samian found at Hadrian's Wall and the German Limes using Linked Open Data	<i>Florian Thiery</i>
<b>2:30 PM</b>	Finding mechanisms for a comparative study of Atlantic Rock Art	<i>Joana Valdez-Tullett</i>
<b>2:50 PM</b>	3D 'Scotland in miniature': digital topography, deep neural networks and approaches to national mapping	<i>Dave Cowley</i>
<b>3:10 PM</b>	Digital heritage: Practical applications of digital technologies for conservation and asset management of historic sites	<i>Joann Russell</i>
<b>Tea and Coffee (served in main hall)</b>		
<b>3:30 PM</b>		
<b>4:00 PM</b>	The application of precision agricultural techniques to archaeological survey. The NDVI index applied to the study of the Iler XXXIV Roman road in the province of Álava (Spain).	<i>Juan Jose Fuldain &amp; Rafael Varon Hernandez</i>
<b>4:20 PM</b>	Roman Frontier or Fortified Road? GIS Analysis of the Gask Ridge	<i>Kathryn Murphy</i>

## LOWER HALL

<p><i>The outcomes of data standards work provide the basis for a variety of applications used by archaeologists and information managers grappling with complex data sets. They allow information to be shared and accessed in increasingly innovative and flexible ways, by professional and public users alike, and the aim of this session is to look at current initiatives that demonstrate the way standards are being developed and used to share, link, and engage users.</i></p>	<p>ARIADNE project – Julian Richards</p> <ul style="list-style-type: none"> <li>• Spatial data standards matter too – Peter McKeague</li> <li>• Building a digital platform for research frameworks – Dan Miles and Doug Rocks-Macqueen</li> <li>• Changing the game – managing data with the Arches platform – Phil Carlisle</li> </ul>
<p>IMSIG Workshop - The true cost of digital data</p> <p>It will be 10 minutes of presentations and then 30 minutes of discussion.</p>	<ul style="list-style-type: none"> <li>• Digital Data Capture – Cost or Benefit? - David Andrews</li> <li>• Digital Archaeology, but at What Cost? Supporting Curators in Managing the Heritage Resource- Damien Campbell-Bell</li> </ul>

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### MAIN HALL

4:40 PM	Quantifying uncertainty on the spread of Neolithic transition using Bayesian models	<i>Xavier Rubio-Campillo</i>
5:00 PM	---	
5:30 PM	Closing	
5:30 PM - 6:00PM	<b>IMSIG AGM</b>	
6:30 PM	<b>Reception</b>	
8:30 PM	Close of reception	

### LOWER HALL

<ul style="list-style-type: none"> <li>• Use It Or Lose It- <i>Chris Casswell</i></li> <li>• Digital archives in archaeology; the Scottish context- <i>Emily Nimmo</i></li> <li>• From 'dirty' data to accessible resource- <i>Eva Fairnell</i></li> <li>• Investigating Shetland's Iron Age archaeology with old and new survey records- <i>Li Sou, Julie Bond, Stephen Dockrill, Val Turner, Andrew Wilson, Lyn Wilson</i></li> </ul>
Closing
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# Saturday, 27<sup>th</sup> October

## MAIN HALL

09:30 AM	Start/House Keeping ( <b>Teas and Coffees</b> )	
09:40 AM	Keynote 2	
10:20 AM	Where imagination fails: New possibilities of presenting the unexcavated	<i>Josef Soucek</i>
10:40 AM	Demonstrator for data integration	<i>Ceri Binding</i>
11:00 AM	Filling the Gaps in a Fragmentary Bronze Object: the Contribution of 3D Scanning and Printing Techniques	<i>Marine Page</i>
11:20 AM	Grave Encounters: Extensive photogrammetric recording on commercial archaeology projects	<i>Vijaya Pieterse &amp; Rebecca Hall</i>
11:40 AM	Social Media in Digital Heritage Research – data extraction, management and analysis	<i>Marta Krzyzanska &amp; Chiara Bonacchi</i>

## LOWER HALL

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Twenty years after. Challenges and successes in digital archiving.	<i>Tim Evans</i>
Adventures in Open Data	<i>Peter McKeague &amp; Alex Adamson</i>
“The joys of upgrading!” Or, lessons learned from a simple upgrade.	<i>Thomas Cromwell</i>
Using GIS to Understand Climate Change Risk in the Historic Environment	<i>David Harkin</i>
Flexibility and efficiency	<i>Karin Lund &amp; Jane Jansen</i>

## Lunch (served in main hall)

## CAAUK AGM

1:10 PM	Start/House Keeping	
1:20 PM	A QGIS plugin to explore landscape connectivity through circuit theory	<i>Guillem Domingo</i>
	Start/House Keeping	
	Studying Animal Mummies: An exploration of non-invasive surface and content recording techniques	<i>Lee Robert McStein</i>

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### MAIN HALL

<b>1:40 PM</b>	Classifying Digital Research Methods: Linked Ancient World Data in Context	<i>Sarah Middle</i>
<b>2:00 PM</b>	Offshore Scotland and archaeology: the challenge of big data	<i>Stephanie Said</i>
<b>2:20 PM</b>	HES•SIGMA: a new geo-spatial data capture tool for managing the conservation of historic assets	<i>Nikki Smith</i>
<b>2:40 PM</b>	Wemyss Caves 4D: a digital future for the Pictish Wemyss Caves, Fife Scotland	
<b>3:00 PM</b>	<i>Mike Arrowsmith</i>	

### LOWER HALL

and their application to mummy collections	
From Trowel to Headsets: Comparing modes of digital engagement for archaeological sites and their dissemination	<i>Alan Miller</i>
CIDOC CRM and CRMarchaeo: A vision of use for the 'future'	<i>Stephen Stead</i>
Integrated data management in commercial Archaeology	<i>Rafael Maya-Torcely</i>
<b>Closing</b>	

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