

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

## MAIN HALL

## LOWER HALL

<b>10:30 AM</b>	Registration and Sign Up desk open		---	
<b>11:00 AM</b>	Start/House Keeping		---	
<b>11:10 AM</b>	Keynote 1		---	
<b>11:50 AM</b>	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>
<b>12:10 PM</b>	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>
<b>12:30 PM</b>	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>
<b>12:50 PM</b>	<b>Lunch (served in main hall)</b>			
<b>1:40 PM</b>	Start/House Keeping		Start/House Keeping	
<b>1:50 PM</b>	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 ARIADNE project – Julian Richards</li> <li>• Spatial data standards matter too – Peter McKeague</li> </ul>
<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>	<i>The outcomes of data standards work provide the basis for a variety of applications used by</i>	
<b>2:30 PM</b>	Finding mechanisms for a comparative study of Atlantic Rock Art	<i>Joana Valdez-Tullett</i>		

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<b>2:50 PM</b>	3D 'Scotland in miniature': digital topography, deep neural networks and approaches to national mapping	Dave Cowley	<p><i>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>	<ul style="list-style-type: none"> <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>
<b>3:10 PM</b>	Digital heritage: Practical applications of digital technologies for conservation and asset management of historic sites	Joann Russell		
<b>3:30 PM</b>	<b>Tea and Coffee (served in main hall)</b>			
<b>4:00 PM</b>	The application of precision agricultural techniques to archaeological survey. The NDVI index applied to the study of the Iter XXXIV Roman road in the province of Álava (Spain).	Juan Jose Fuldain & Rafael Varon Hernandez	<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> <li>• Use It Or Lose It- Chris Casswell</li> <li>• Digital archives in archaeology; the Scottish context- Emily Nimmo</li> </ul>
<b>4:20 PM</b>	Roman Frontier or Fortified Road? GIS Analysis of the Gask Ridge	Kathryn Murphy		
<b>4:40 PM</b>	Quantifying uncertainty on the spread of Neolithic transition using Bayesian models	Xavier Rubio-Campillo		
<b>5:00 PM</b>	---			

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			<ul style="list-style-type: none"> <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>
5:30 PM		Closing	Closing
5:30 PM - 6:00PM	<b>IMSIG AGM</b>		---
6:30 PM	<b>Reception</b>		---
8:30 PM	Close of reception		---

# Saturday, 27<sup>th</sup> October

	<b>MAIN HALL</b>		<b>LOWER HALL</b>	
<b>09:30 AM</b>	Start/House Keeping ( <b>Teas and Coffees</b> )		---	
<b>09:40 AM</b>	Keynote 2		---	
<b>10:20 AM</b>	Where imagination fails: New possibilities of presenting the unexcavated	<i>Josef Soucek</i>	Twenty years after. Challenges and successes in digital archiving.	<i>Tim Evans</i>
<b>10:40 AM</b>	Demonstrator for data integration	<i>Ceri Binding</i>	Adventures in Open Data	<i>Peter McKeague &amp; Alex Adamson</i>
<b>11:00 AM</b>	Filling the Gaps in a Fragmentary Bronze Object: the Contribution of 3D Scanning and Printing Techniques	<i>Marine Page</i>	"The joys of upgrading!" Or, lessons learned from a simple upgrade.	<i>Thomas Cromwell</i>
<b>11:20 AM</b>	Grave Encounters: Extensive photogrammetric recording on commercial archaeology projects	<i>Vijaya Pieterse &amp; Rebecca Hall</i>	Using GIS to Understand Climate Change Risk in the Historic Environment	<i>David Harkin</i>
<b>11:40 AM</b>	Social Media in Digital Heritage Research – data extraction, management and analysis	<i>Marta Krzyzanska &amp; Chiara Bonacchi</i>	Flexibility and efficiency	<i>Karin Lund &amp; Jane Jansen</i>
<b>12:00 PM</b>	<b>Lunch (served in main hall)</b>			
<b>12:30 PM – 1:00 PM</b>	<b>CAAUK AGM</b>			
<b>1:10 PM</b>	Start/House Keeping		Start/House Keeping	
<b>1:20 PM</b>	A QGIS plugin to explore landscape connectivity through circuit theory	<i>Guillem Domingo</i>	The Multispectral Desert – Mapping the archaeological landscape with	<i>Antonio Reis</i>

	<b>MAIN HALL</b>		<b>LOWER HALL</b>	
<b>1:40 PM</b>	Classifying Digital Research Methods: Linked Ancient World Data in Context	<i>Sarah Middle</i>	advanced spectral aerial photography Studying Animal Mummies: An exploration of non-invasive surface and content recording techniques and their application to mummy collections	<i>Lee Robert McStein</i>
<b>2:00 PM</b>	Offshore Scotland and archaeology: the challenge of big data	<i>Stephanie Said</i>	From Trowel to Headsets: Comparing modes of digital engagement for archaeological sites and their dissemination	<i>Alan Miller</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>	CIDOC CRM and CRMarchaeo: A vision of use for the 'future'	<i>Stephen Stead</i>
<b>2:40 PM</b>	Wemyss Caves 4D: a digital future for the Pictish Wemyss Caves, Fife Scotland	<i>Mike Arrowsmith</i>	Integrated data management in commercial Archaeology	<i>Rafael Maya-Torcelly</i>
<b>3:00 PM</b>			<b>Closing</b>	