

Digital Forensics for Preservation**28.06.2011****The Oxford Centre, 333 Banbury Road, Oxford, OX2 7PL**

As digital resources grow in scale, complexity and importance so the task of making sense of collections becomes more involved. It can be a significant challenge to retrieve, assess and access digital data even when they are thoughtfully arranged and their context is well understood. In an increasing number of cases, however, archives, memory institutions and researchers in all kinds of settings find themselves with the challenge of managing, preserving and interpreting collections with only limited provenance and description. Laptops, hard disks and mobile phones now hold those original manuscripts and working notes that fascinate and inform readers and historians alike. The digital jumble of modern life conceals collections of great value; the faint and muddled traces of relationships lie buried beneath the surface; an invisible and ephemeral confusion of bits and bytes witness transactions and connections not obvious to the naked eye. Little wonder then that archivists, collections managers and researchers are increasingly turning to forensics to make sense of collections. Tools and methods originally developed for the detection and detention of criminals provide a basis for a new kind of analytical collection management. But skills are short and tools are developing quickly. How do we preserve and protect this data? How do we protect the reputations of depositors, researchers and ourselves?

Digital forensics lie at the intersection of many of the core challenges of digital collections management, especially for those collecting institutions that deal in the papers and correspondence of personal and public life. How do we cope with the growing scale and complexity? How do forensics relate to more familiar concepts like cataloguing and characterisation? How can we make our workflows more efficient and our collections more manageable? What tools do we need for discovery and what are the limits of reasonable deployment? What advice should we give to depositors and what restrictions might we put on users?

This DPC briefing day will provide a forum for members to review and debate the latest development in the use of digital forensics for preservation. Based on commentary and case studies from leaders in the field, participants will be presented with emerging policies, tools and technologies and will be encouraged to propose and debate new directions for research.

The day will include discussion of key topics such as:

- Digital archives and mobile devices

- Tools for e-discovery
- Integration of forensics with preservation workflows
- The practical, ethical and reasonable limits of forensic enquiry

Who should come?

This day will be of interest to:

- Collections managers, curators and archivists in all institutions
- Tools developers and policy makers in digital preservation
- Innovators and researchers in information policy and management
- Innovators and researchers in computing science
- Vendors and providers of digital preservation services

Places are strictly limited and should be booked in advance. Priority will be given to DPC members: full members are invited to send up to five delegates and associates are invited to send one each. Non-members are welcome at a cost of £150 pounds per person.

Where and when?

Tuesday 28th June 2011 (10:30-16:00)

The Oxford Centre, 333 Banbury Road, Oxford OX2 7PL

Following the event on Twitter

Participants will be encouraged to tweet using the #dp_forensics hashtag to create a live twitter feed from the event.

How do I register?

Places are **FREE** to paid up [DPC members](#) but are strictly limited and should be booked at the latest before TUESDAY 21st JUNE 2011. Priority will be given to DPC members: full members

are invited to send up to
associates are invited to send
one

five delegates and

each, adding any others to a waiting list. For details on how to become a DPC member s
[ee here](#)

Non-members are welcome at a cost of **£150.00** per person. **Please note payment terms:** Full payment to be received in full
before
the event (by the 23rd June).

There will be a £50.00 no show/cancellation fee if you do not notify us within one full week of the event date

. Please make your payment via one of the following methods and NOTE THAT WE DO NOT ORDINARILY ISSUE INVOICES (please indicate which method when registering):

1.

Preferred method of payment is by BACS electronic transfer to; DPC Business Account, 13 Parliament Street, YORK, YO1 8XS Sort Code: 40-47-31 Account number: 13851613 **N.B.** YOU MUST REFERENCE THE TRANSFER WITH "

YOUR NAME Digital Forensics

" By referencing the payment in this way we will be able to trace and confirm your payment and place more quickly.

2.

A cheque written out to 'DPC'. Please post to DPC, Innovation Centre, York Science Park, YORK YO10 5DG.

3.

Payment in CASH on the day - please email written confirmation to carol@dpconline.org that you wish to pay on the day.

REGISTRATION CLOSED

Draft Programme Outline

1030 Registration and Coffee

1100 Welcome and introductions (William Kilbride, DPC)

1105 The nature of the problem, (Jeremy Leighton John, British Library)

1135 [e-discovery and Sense-Making: Tools, Techniques and Processes](#) (Simon Attfield, Middlesex University)

1200 Mobile forensics: A case study (Brad Glisson, HATII, University of Glasgow)

1225 [The Stanford Forensics Lab: A Case Study](#) (Michael Olson, Stanford University)

1250 Question and answer

1300 Lunch

1345 [Trends and tools 1](#) (Gareth Knight, CERch, King's College London)

1410 Trends and tools 2 (Kam Woods, University of North Carolina at Chapel Hill)

1435 Question and answer

1445 Coffee

1500 Panel session and discussion: the practical and reasonable limits of forensics (TBC)

1550 Wrap up (William Kilbride, DPC)

By 1600 Close