



The  
Royal  
Photographic  
Society

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# Digital Futures 2006 Imaging, Archives & Collections

The Royal Society, London, Tuesday 31st October 2006

## A Symposium Organised by The Imaging Science Group of The Royal Photographic Society

Co-Chairs - Dr Sophie Triantaphillidou, Dr Efe Bilissi (University of Westminster) and Dr Clare Webb (EMAP Esprit)

**Digital Futures 2006** follows the successful series of Digital Futures symposia, which started in 2000 and is held annually. This year the symposium has been designed to promote the exchange of information across participants that are involved with imaging applications in libraries, museums, archives and collections.

This year there will also be a second day to the symposium. A half-day short course will be run entitled: *Evaluating Digital Scanner and Cameras Imaging Performance for Digital Collections*, by Dr Peter Burns, Eastman Kodak Company, USA, at The Royal Society, Wednesday 1st November

**See next page for more information and booking**

### Programme

09.00 - 09.25	Registration Tea / Coffee	13.30 - 14.00	Posters session (Marble Hall)
<b>Session 1 Chair: Dr Sophie Triantaphillidou</b>		<b>Session 3 Chair: Dr Clare Webb</b>	
09.25 - 09.30	Welcome and Introduction <i>Dr Sophie Triantaphillidou</i>	14.00 - 14.25	The system of documentation and information retrieval in a medical photography department serving a teaching hospital <i>Mr Hoosain Ebrahim</i> <i>University of Limpopo, South Africa</i>
09.30 - 10.15	Plenary Talk: Past and future of digital image archives <i>Prof. Sabine Susstrunk</i> <i>EPFL, Switzerland</i>	14.25 - 14.50	Describing the Image: Metadata and Digital Cultural Heritage <i>Mr Martyn Jessop</i> <i>King's College London, UK</i>
10.15 - 10.40	Application of image performance methods to process control of digital collections <i>Dr Peter Burns</i> <i>Eastman Kodak Company, USA</i>	14.50 - 15.15	Digitisation and Interpretation in the NMPFT <i>Dr Jane Fletcher</i> <i>National Museum Photography, Film and Television, UK</i>
10.40 - 11.05	Quantification of image quality in a digitizing workflow: Building guidelines for "preservation imaging" of library material <i>Dr Robert Gillesse</i> <i>National Library of the Netherlands</i>	15.15 - 15.40	Site recording with spherical photography: A Case Study of John Latham's House and Studio <i>Dr Athanassios Velios</i> <i>Camberwell College of Arts, UK</i>
11.05 - 11.20	Tea / Coffee	15.40 - 15.55	Tea / Coffee
<b>Session 2 Chair: Dr Efe Bilissi</b>		<b>Session 4 Chair: Dr Sophie Triantaphillidou</b>	
11.20 - 11.45	Strategies for digital long-term archival of images <i>Dr Lukas Rosenthaler</i> <i>University of Basel, Switzerland</i>	15.55 - 16.20	AHRC Arts on Film Archive <i>Dr Joram Tenbrink</i> <i>University of Westminster, UK</i>
11.45 - 12.10	An overview of international standards work on image permanence <i>Dr Alan Hodgson</i> <i>Independent Consultant, UK</i>	16.20 - 16.45	The Open Road (1924-26): A reconstruction of an early system of natural colour cinematography <i>Mr Kieron Webb</i> <i>BFI National Film and Television Archive, UK</i>
12.10 - 12.35	Digital colour film restoration between physics and appearance <i>Dr Alessandro Rizzi</i> <i>Università degli studi di Milano, Italy</i>	16.45 - 16.55	Closing speech by the President of the Royal Photographic Society <i>Prof. Ralph Jacobson</i>
12.35 - 13.30	Lunch		

**See next page for DF2006 booking form and further details on the half-day short course**



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## Booking Form

Complete the booking form below or book online at: <http://www.rps-isg.org/events.shtml>

**Name:**

**Company / University:**

**Address:**

**Post Code:**

**Email:**

**Telephone:**  **Fax:**

Symposium, Tuesday 31st October

Price: £90, RPS members: £65, Concessions (Students, Retired, Unemployed): £35

Tick if attending

Half-day short course, Wednesday 1st November

Price: £90, Concessions (Students, Retired, Unemployed): £50

Tick if attending

Payment method: (please circle method used)

TOTAL COST

**Cheque:**

Make cheques payable to:  
**Royal Photographic Society** and  
write **DF2006** on the back.

**BACS:**

Account name: **Imaging Science Group  
of The Royal Photographic Society**  
Sort Code: 20-05-06  
Account No: 20940453

Do you require a receipt? Yes / No

**A Continuing Professional Development (CPD) certificate for both events is available upon request**

**Please send the completed form and, if paying by cheque, your payment to:**

Dr Effe Bilissi, University of Westminster, Watford Road, Harrow, Middx, HA1 3TP.

Email: E.Bilissi02@wmin.ac.uk (subject: DF2006), Tel: 020 7911 5000 ext. 4087

### Half-day short course, Wednesday 1st November (09.30 - 13.00)

*Evaluating Digital Scanner and Cameras Imaging Performance for Digital Collections*

Dr Peter Burns, Eastman Kodak Company, USA

#### Course Overview:

Many of today's standards for characterizing imaging performance are based on image-science architecture. We begin by introducing this perspective and then describe its application to scanner and digital camera performance in an archiving environment. The standards and accompanying tools will help the user control tone reproduction and evaluate manufacturer's claims of resolution, dynamic range, and noise. We will then identify several common image artifacts associated with digital image capture. In several examples, we then describe how several performance parameters can be monitored by summary measures acquired automatically as part of a quality assurance process. Our concentration will be on grayscale and color imaging, but bi-tonal image acquisition will also be covered.

**This course will enable attendees to:**

*Understand image science principles for digital image conversion*

*Describe existing standards to characterize scanner and camera capability and performance*

*Connect today's vernacular performance terms (e.g., dpi, bit depth, gamma, etc.) to science based performance metrics*

*Benchmark or audit manufacturer's scanner performance with the above metrics*

**Co-Sponsor:**

