

The Fifth International Conference on Preservation of Digital Objects Joined Up and Working: Tools and Methods for Digital Preservation

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Venue: The British Library, London, UK.

SPEAKER BIOGRAPHIES

Abrams, Stephen

Stephen Abrams is the Senior Manager for Digital Preservation Technology at the California Digital Library (CDL) of the University of California. He has responsibility for strategic planning, design, and operation of the CDL's preservation infrastructure. He leads the multi-institutional JHOVE2 project to develop a next-generation architecture for digital object characterization. He was the ISO project leader and document editor for the PDF/A standard, ISO 19005-1; the architect and project manager for the JHOVE characterization framework and the initiator of the Global Digital Format Registry (GDFR) project. Stephen holds a graduate degree in the History of art and Architecture from Harvard University and an undergraduate degree in Mathematics from Boston University. He is a member of the ACM, ALA, ASIS&T, IEEE Computer Society, and LITA.

Anderson, Martha

Martha Anderson is Director of Program Management for the National Digital Information Infrastructure and Preservation Program (NDIIPP) at the Library of Congress. She manages the capture of web content in support of the Library's Digital Strategic Initiatives Program. She is the Library's Program Officer for the Web-at-Risk, California Digital Library and the MetaArchive Projects. She also serves on the Communications Steering Committee of the International Internet Preservation Consortium (IIPC) – an international organisation of 37 national libraries and not-for-profit archives dedicated to collecting and archiving significant web content. Early in the NDIIPP program, she was a member of the Preservation Architecture Working Group and managed the Archive Ingest and Handling Test (AIHT).

Previously, Martha served as Project Manager for the Office of Strategic Initiatives at the Library of Congress working with preservation architecture projects. During the first charter period, 2003-2006, of the IIPC, she chaired the Metrics and Testbed working group. During her tenure on the staff of the National Digital Library Program at the Library of Congress, Martha Anderson served in the roles of Manager of the Digital Conversion Group, Production Coordinator for *American Memory* historical web collections, Contracting Officer's Technical Representative (COTR) for the multi-year paper scanning contract and as the National Digital Library Program Liaison to the Manuscript Division at the Library of Congress.

Prior to joining the Library of Congress in 1996, Martha worked in electronic publishing as Editor and Project Manager for a variety of CD-ROM reference products including *Time Almanac* and the *Patrologia Latina Database*.

Ashley, Kevin

Kevin Ashley is the Head of Digital Archives Department, University of London Computer Centre. For the past ten years, Kevin's group has worked on the preservation of digital resources on behalf of other organisations. Kevin represents ULCC on the board of the Digital Preservation Coalition, was a member of the Advisory Council for Erpanet and is part of the RLG-NARA task force seeking to develop an audit and certification mechanism for trusted digital repositories. He speaks frequently on matters related to digital preservation and management of digital content and has contributed to training through the Society of Archivists and the DPC, as well as other organisations.

■ **Ball, Alex**

Alex Ball is Research Officer at UKOLN, University of Bath, and works in the field of data curation and digital preservation. Since 2005, he has worked on the Knowledge and Information Management (KIM) Grand Challenge Project, where his research interest is curation of digital engineering information. He has been involved in work on the audit and description of scientific research data. Previously, Alex worked for the South West Regional Library System and in public, academic and special libraries. His interests include information retrieval, inter-library co-operation, web and document design.

■ **Beagrie, Neil**

Neil Beagrie is managing director of Charles Beagrie Ltd, an independent management consultancy company specialising in the digital archive, library, science and research sectors. He is currently working as a Principal Consultant on the JISC-funded institutional preservation policy study and a HEFCE-funded feasibility study for a UK Research Data Service (UKRDS). His previous career spans a range of senior information management roles including Programme Director for Digital Preservation at the UK Joint Information Systems Committee, Director and Assistant Director of the Arts and Humanities Data Service, and Head of Archaeological Archives and Library at the Royal Commission on the Historical Monuments of England. He has published extensively on digital preservation and digital library issues. Further information including published articles and recent talks are available from www.beagrie.com.

■ **Boudrez, Filip**

Filip Boudrez works for the City Archives of Antwerp where he puts the (e)DAVID findings into practice. He continues the research on electronic record-keeping within the Expertisecentrum DAVID, the successor of the DAVIDproject and creates tools for the implementation of the record-keeping procedures for which he uses new technologies like XML and XSLT. Between October 2000 and December 2003, in the DAVID-project, he developed electronic record keeping strategies, practical guidelines and best practices for all kind of electronic records (e-mail, office documents, websites, databases, content management systems, GIS, etc). In 1997 he obtained the degree of Archivist and Records Manager and the same year he followed training in software engineering and computer programming. Filip studied History at the University of Louvain.

■ **Boyle, Frances**

Frances Boyle is the Executive Director of the Digital Preservation Coalition. She is an information management professional with many years experience in delivering and supporting information services and digital library initiatives in academic, research and commercial environments. Her previous incarnations have included posts at Oxford University, Cancer Research UK, Royal Society of Chemistry and Mercury Asset Management. She is a member of the Executive Board of the pan-European 'Alliance for Permanent Access'. She holds an MSc and professional qualifications in information science and management. Frances' academic background was in chemistry. She has written, presented and taught widely on many digital library initiatives and courses.

■ **Brindley, Dame Lynne J**

Dame Lynne Brindley has been the Chief Executive of the British Library since June 2000. She is the first woman and the first information professional to have held the post. Lynne has led a major strategic development and modernisation programme to ensure that the British Library remains a relevant, innovative and accessible national institution in the 21st century.

Lynne came to the British Library from the University of Leeds where she was Pro-Vice Chancellor. Previously, she was a Senior Consultant with KPMG and has held leadership positions in information technology and knowledge management at Aston University and the London School of Economics.

Lynne is active in international, European and national bodies concerned with media and information society initiatives, digital infrastructure and libraries and cultural and public sector leadership. She is visiting professor at City and Leeds Universities. She speaks and writes on digital society, copyright and IP, knowledge management and leadership.

Lynne has honorary degrees from the universities of Oxford, Leeds, Sheffield and University College, London. She is Companion of the Institute of Management, on the Court of the Goldsmith's Company and a Trustee for its charity the Goldsmith's Centre. She is a member of the SABIP (Strategic Advisory Board for Intellectual Property).

Lynne Brindley was appointed Dame Commander of the Order of the British Empire in the New Years Honours List 2008 for services to Education.

■ Corti, Louise

Louise Corti joined the UK Data Archive at the University of Essex in 2001 as Associate Director with responsibility for qualitative data archives. She leads the sections on ESDS Qualidata, Outreach and Promotion and Acquisitions. Her research interests, recent research grants and publications involve work to enhance access and re-use digital qualitative data, XML applications for qualitative data, and the application and use of social science data in teaching and learning. In the past

four years, Louise has been PI on two ESRC awards on new methods for archiving and sharing qualitative data, and two JISC awards on re-purposing survey data for learning and teaching and on XML exchange standards for multimedia and annotated qualitative data. Between 1994 and 2001, she worked as Deputy Director and Manager of Qualidata based at Essex. Previously, she spent six years working on the design, implementation and analysis of the British Household Panel Study. Louise is formally trained in social research methods and has carried out research in the fields of health, education and survey methodology. She has taught sociology, social research methods, statistics and qualitative software packages.

■ Daigle, Bradley

Bradley Daigle is Director of Scholarly Resources - a part of the Digital Scholarship Services Group - at the University of Virginia Library. Previously, he was Head of Rare Materials Digital Services and Project Manager for the Virginia Heritage Project – a National Endowment for the Humanities-funded grant. Bradley is a participant in UVa's Digital Library Programme and oversees digital publishing, digitisation, repository services and digital collection management, which includes digital preservation. He works with partners at UVa to support and sustain digital scholarship. Bradley Daigle received a MLS from Catholic University in 1999 and an MA in Literature from the University of Montreal in 1996.

■ Dappert, Angela

Angela Dappert is a Senior Analyst at the British Library. Her current focus is on conceptual modelling of preservation planning and preservation characterization within the Planets project. She has previous experience with eJournal ingest, digital rights modelling, and digital metadata standards. She serves as a British Library representative on the PREMIS Editorial Committee. In the past, Angela has worked at the Siemens Research Laboratories in Munich and at the Stanford University Knowledge Systems Laboratory. She has worked as a consultant for The University of California Extension Service and Schlumberger Oilfield Services. Angela holds an M. Sc. in Computer Sciences from the University of Texas at Austin and Dipl. Inform. Med. from the University of Heidelberg.

■ Davidson, Joy

Joy Davidson is Training Coordinator for the Digital Curation Centre (DCC). She is involved in working groups that seek to reduce duplication of effort and promote collaborative approaches in the provision of world-wide digital curation and preservation training and education efforts.

■ van Diessen, Raymond

Raymond van Diessen joined the IBM in the Netherlands in 1996, and is a Managing Consultant. Since 2000, he has been responsible for the ongoing joint IBM / National Library of the Netherlands study on long-term preservation of digital collections, which was initiated to complement IBM's implementation of the DIAS deposit system (Digital Information Archiving System). Recent research has been focused on the Universal Virtual Computer (UVC) to preserve digital objects for the long term and the to maintain the relevant technical metadata needed to plan preservation activities. He represents IBM in Planets - a four-year project funded by the European Commission Information Science and Technologies Framework Program 6 Call 5 (FP6 Call 5) - and is a member of the Advisory Board for the School of Information and Library Science at the University of North Carolina DigCCurr program. Raymond van Diessen received a PhD in Computer Science from the University of Amsterdam in 1989 and MSc degree in Computer Science from the same university in 1997.

■ Dobratz, Susanne

Susanne Dobratz is Head of the Electronic Publishing Group at Humboldt-University Berlin. She holds a Diploma in Computer Science. Since 1997, she supervised several projects in the field of electronic publishing and digital libraries for her university. These include Nestor (2003-2009), Re-use (2004-2006), Open Archives Forum (2000-2003) and Dissertation Online (1998-2000). At Nestor, she works on digital repository certification, standardisation, preservation metadata and multimedia preservation. She also plays an active part within DINI, the German Initiative for Networked Information, where she chairs the Electronic Publishing Working Group that concentrates on supporting Open Access and the emergence of Institutional Repositories in Germany.

■ Enders, Markus

Markus Enders is a Technical Architect at the British Library. He is a member of the METS Editorial Board. Markus has contributed to several British Library digital library projects which are based on METS and PREMIS. Previously, he was Technical Head of the Digitisation Centre at Goettingen State University Library, Germany.

■ Farquhar, Adam

Dr. Farquhar is Head of Digital Library Technology at the British Library, where he co-founded the Library's Digital Preservation Team (www.bl.uk/dp) and was a lead architect on the Library's Digital Object Management (DOM) system. He is Scientific Director of the EU co-funded Planets Digital Preservation project (www.planets-project.eu), co-chair of the ECMA TC45 Standards Committee, serves on the Metadata Encoding and Transmission Standard (METS) Editorial Board, as well as on several advisory groups including the JISC Repositories Programme. Prior to joining the Library, he was the principle knowledge management architect for Schlumberger (1998-2003) and research scientist at the Stanford Knowledge Systems Laboratory (1993-1998). He completed his PhD in Computer Sciences at the University of Texas at Austin (1993). Over the past twenty years, his work has focused on improving the ways in which people can represent, find, share, use, exploit, and preserve digitally encoded knowledge.

■ Fischer, Randall

Randall Fischer is Lead Developer for the Florida Digital Archive (FDA) at the Florida Center for Library Automation. The FDA is a preservation repository for use by libraries of the public university system of Florida. It uses normalisation and format migration as preservation strategies and ingests 1TB/month. Previously, Fischer's work included development of online secure bidding systems for the Department of Transportation and work in massively parallel computing for machine vision. His research interests include data visualisation and user interface design.

■ Forster, Horst

Horst Forster is Director responsible for digital content and cognitive systems in the European Commission's Directorate General for Information Society and Media. He has held various management positions in the European Commission since 1984, following assignments in the German administration at federal level and work in the computer industry. He holds a degree in Physics from Darmstadt Technical University.

■ Frick, Rachel

Rachel Frick joined the Institute of Museum and Library Services in 2007 and is Senior Programme Officer of National Leadership Grants. Previously, she was Head of Technical and Digital Services at University of Richmond, Virginia. Rachel's work has been in library operations, with a focus on serials, scholarly communications, electronic resources management and digital libraries. She is an MSLS graduate from the University of North Carolina, Chapel Hill. Her areas of interest and expertise include digital collection production services, workflow analysis and digital humanities scholarship.

■ Grindley, Neil

Neil Grindley is the Digital Preservation Programme Manager at JISC (Joint Information Systems Committee), an organisation that funds and supports technology-related projects and services for the UK Higher and Further Education sectors.

The Digital Preservation Programme supports a number of projects, studies and collaborations, the overall objective of which is to raise awareness and increase the capacity of communities to engage with digital preservation as part of a life-cycle management approach to creating and exploiting digital resources.

Previously, Neil worked on a program to promote the advanced use of ICT methods for arts and humanities research. Prior to that, he was involved with IT management and image cataloguing and database work at the Courtauld Institute of Art.

Guttenbrunner, Mark

Mark Guttenbrunner is PhD Researcher at the Department of Software Technology and Interactive Systems, Vienna University of Technology. Since 1996 he has worked as an employee and as an independent IT Consultant for different companies and universities in Austria. Mark graduated the diploma study in Computer Science from the Vienna University of Technology in 2007. His special interests are preservation planning, emulation, and the preservation of video games.

Hallgrímsson, Þorsteinn

Þorsteinn Hallgrímsson (Thorsteinn Hallgrimsson) joined the National and University Library of Iceland in 1993 where he is now the Deputy National Librarian. At the National Library he is responsible for Digital Libraries development projects and represents Iceland in the International Internet Preservation Consortium. From 1968 to 1992 he worked for IBM in Iceland, Denmark, Norway and Germany as a Systems Engineer and Marketing Representative. His principal areas of responsibility were in providing technical support in telecommunications, online banking systems and systems development. In 1968 he graduated with a M.Sc. in Civil Engineering from the Technical University of Denmark.

Han, Yan

Yan Han is Associate Librarian, University of Arizona. Since 2005, he has been the technical lead for many digital library projects and rebuilding Afghanistan library projects. These include building an Integrated Library System using open source architecture and preserving Afghanistan unique materials. In 2007, he was invited to the US Government Printing Office as an expert to evaluate its digitization project. Yan was selected by the American Library Association (ALA) as one of 100 national emerging leaders. He is a working member for an International Standard Organization (ISO) working group to create an international standard on Digital Object Identifiers (DOI) and to facilitate digital content management. Yan Han graduated from the University of Western Ontario with an MSc. in Computer Science and MLIS.

Harmsen, Henk

Henk Harmsen (1958) is the deputy director of Data Archiving and Networked Services (DANS) in The Hague. Between 1995 and 2000, he worked as Operational Director of the Netherlands Institute of Scientific Information (NIWI-KNAW), an institute of the Netherlands Royal Academy of Arts and Sciences (KNAW). There he was the primary 'driver' of various innovative IT-projects. Previously, he worked at University of Amsterdam (UvA) as Head of the Library and Operational Manager at the Faculty of Science. Between 1993 and 1995, he was Head of the IT department and, before that, Interim Manager (1996-1997) of KNAW at the Netherlands Royal Academy of Arts and Sciences (KNAW). He completed his Ph.D. at the Vrije Universiteit in Amsterdam (VU) about automatic syntactical- and semantic text-parsing. He studied Computer Linguistics at the UvA. Henk is a musician and a 'self-made' expert on digital audio recording.

Hartle, Michael

Michael Hartle is a Doctoral Researcher at the Teleco-operation group of Prof. Mühlhäuser and is writing his PhD thesis on the subject of data formats. He entered the Technische Universität Darmstadt in 2004 as an employee at the e-learning center for participation in the Digital Lecture Hall project. Between 1998 and 2003, Michael studied for a Dipl. - Inform. (FH) degree in Computer Science at the University of Applied Sciences Darmstadt, Germany. In parallel, he worked as a freelance IT consultant in the context of Java and J2EE business applications.

Henriksen, Birgit Nordsmark

Birgit Nordsmark Henrikson has been Head of the Digital Preservation Department, National Library Division at the Royal Library in Denmark since 2006. Birgit joined the Royal Library in Denmark in 1997 and was assigned Head of Digitisation and Web Publication. She has been involved in web archiving since 1998, when Denmark included net material in its legal deposit law. Birgit is a Member of the Steering Committee of the Danish Net Archive - <http://netarchive.dk> - and of the International Internet Preservation Consortium - <http://netpreserve.org> . She graduated with an MA in History and Computer Science from the University of Copenhagen in 1987.

Hitchcock, Steve

Steve Hitchcock is Project Manager of the JISC-funded Preservation project, which began in 2005 and is now in phase 2 and is investigating the provision of preservation services for digital institutional repositories. Steve is a member of the team at Southampton University that has led the development of IRs and IR software since 1999. He is joined on this paper by others from the Southampton team (David Tarrant and Leslie Carr) and by long-term project partners from leading UK centres of digital preservation, Neil Jefferies and Ben O'Steen from Oxford University Library Services, and by Adrian Brown, digital preservation services manager at The National Archives.

Hockx-Yu, Helen

Helen Hockx-Yu is the Web Archiving Programme Manager at the British Library, leading a team of web archivists and technologists to archive and preserve the UK web in collaboration with other key UK and international organisations. Previously, Helen was project manager of the Planets project, a four-year project co-funded by the European Union under the Sixth Framework Programme to address core digital preservation challenges. Before joining the British Library, Helen worked as a Programme Manager at the UK Joint Information Systems Committee, overseeing JISC's technology research and development activities in the area of digital preservation.

Hutt, Arwen

Arwen Hutt is a Metadata Librarian at the University of California, San Diego. She is a member of the Metadata Analysis and Specification Unit within the UCSD Libraries and a part of the Library of Congress sponsored Chronopolis Digital Preservation Program. She has been part of several collaborative grant projects between the UCSD Libraries and the San Diego Super Computer Center focused on digital preservation issues and the use of PREMIS for documenting preservation events and processes. She is also a member of the Archivists' Toolkit project team and is involved in the development of the UCSD Libraries' digital asset management system, the establishment of metadata standards, migration of legacy collections and specification of search functionality within that system.

Illien, Gildas

Gildas Illien is Head of a new Digital Legal Deposit service at Bibliotheque Nationale de France. Since 2007, he has served as Technical officer and Treasurer of the International Internet Preservation Consortium (IIPC) and as director of the BnF Digital Library Department. He joined BnF as Web-archiving Project Manager in 2005. Previously, he was Manager of Public services at the Saint-Denis University Library. Between 1995 and 2000 he was employed as librarian by the French Dpt. of Foreign Affairs and worked successively in Oslo, Norway and Vienna, Austria. Before joining the French librarian school (Enssib) he worked as Consultant for the INHA Art History library project. Gildas Illien has an academic background in Communications (McGill, Montreal, 95) and Political Science (Sciences Po, Paris, 93).

John, Jeremy Leighton

Jeremy Leighton John has been Curator of eMANUSCRIPTS and Scientific Curator in the Department of Western Manuscripts at the British Library since 2003, having been Specialist Curator for the W. D. Hamilton Archive from 2000. In 1996 he completed a DPhil. in Zoology at Merton College, University of Oxford, where his research into evolutionary processes involved the use of phylogenetic techniques; he first learned to program at University College London, with FORTRAN using punched cards. He is a Fellow of the Linnean Society of London and a Fellow of the Royal Geographical Society. He works with digital and analogue personal archives of writers, scientists and others, currently leading the Digital Manuscripts Project. He is the Principal Investigator of the Digital Lives Research Project. Membership: the Library Committee of the Royal Society; and the Advisory Committee of the National Cataloguing Unit for the Archives of Contemporary Scientists.

■ Jones, Sarah

Sarah Jones works on the Data Audit Framework Development Project at Humanities Advanced Technology and Information Institute (HATII), University of Glasgow and for the Digital Curation Centre (DCC). Until spring this year she managed performing arts collections for the Arts and Humanities Data Service. For the DCC, Sarah investigates curation and preservation policies and is involved in the testbed services work package, evaluating tools from a user needs perspective. Her background is in archiving, having graduated with an MSc in Information Management and Preservation in 2006.

■ Jordan, Chris

Chris Jordan has extensive experience of working in every aspect of High-Performance Computing, and for the last several years has focused on data-related issues for the Texas Advanced Computing Center and the San Diego Supercomputer Center. He has worked on digital library and data collections projects for the National Science Foundation, the National Archives and Record Administration, and the Library of Congress and currently leads the Data Working Group for NSF's national cyber-infrastructure project, the TeraGrid.

■ Keitel, Christian

Christian Keitel leads the unit for digital preservation within the Landesarchiv Baden-Württemberg. He is a member of several working groups, including Nestor, on certification and on standards, DIN (German National Institute for Standardisation) on digital preservation and at the Conference of the German State Archives on digital records and on statistical records. Christian Keitel studied in Tübingen and Salamanca and received his PhD in Medieval History. He trained as an archivist in Marburg and Detmold (1998-2000). He has published articles on appraisal, archival description and several themes of digital preservation.

■ Kelly, Brian

Brian Kelly is UK Web Focus – a national web coordination and advisory role - for UKOLN (UK Office for Library and Information Networking), University of Bath. UKOLN is a centre of expertise in digital information funded by the Joint Information Systems Committee (JISC) and the Museums, Libraries and Archives Council (MLA). Brian's areas of work include: web standards, web accessibility, Web 2.0 and quality assurance for digital library development activities. Brian is the project director for the JISC PoWR (Preservation of Web Resources) project.

■ Klas, Claus-Peter

Claus-Peter Klas is a Researcher on interactive information retrieval and long-term preservation at the Fern Universität, Hagen. His research focuses on evaluation of digital libraries and exploration of new challenging services for Daffodil. He completed his Ph.D. thesis on the project Daffodil in 2007. Previously, he worked as Research Assistant within the Information Retrieval group of Prof. Fuhr, at the University of Duisburg-Essen. Claus-Peter Klas received his Computer Science Diploma at the University of Dortmund in 1998.

■ Knight, Gareth

Gareth Knight is Digital Preservation Officer for the Centre for e-Research (CERCH), a research department in Kings College London. He is responsible for the investigation and implementation of preservation strategy, performing actions necessary to ensure digital collections are managed correctly and are fit for purpose. In this role, he provides technical advice to depositors and other projects wishing to manage their digital resources. Gareth also contributes expertise to the JISC-funded InSPECT Project investigating the significant properties of digital objects and other preservation-related projects.

■ Knight, Steve

Steve Knight is the Associate Director, National Digital Library and Programme Architect, National Digital Heritage Archive at the National Library of New Zealand.

The National Digital Library focuses on access to and preservation of New Zealand digital content with a particular view to modelling and developing solutions that can be disseminated or scaled to the national level. It facilitates implementation of the operational and technical infrastructure for the integration of digital materials into the collections of the National Library, enhances access to New Zealand's cultural heritage online through increased digitisation, and provides leadership and research in the delivery of cultural materials online.

The National Digital Heritage Archive is a flagship National Digital Library project to ensure the long term storage, preservation, and provision of access to New Zealand's digital cultural heritage.

From a library background Steve has experience in a range of information management disciplines, including records management and document management and the design and implementation of electronic services. Among other initiatives Steve was involved in setting up the National Digital Forum in New Zealand, the award-winning Matapihi collaboration and the NDHA mentioned above. Steve represents the National Library on the National Digital Forum Board and is on the Steering Committee for the International Internet Preservation Consortium.

Kosovic, Douglas

Douglas Kosovic is a Senior Systems Programmer within the School of Information Technology and Electrical Engineering (ITEE) at the University of Queensland, Australia where he is responsible for systems programming as well as the development of eResearch prototypes. He is also responsible for the support and maintenance of the AccessGrid toolkit (www.accessgrid.org) and is involved in OptIPortal development (multi-display visualization clusters). Previously, he worked for the Distributed Systems Technology Centre (DSTC) where he was involved in developing research prototypes, middleware and standards in the fields of distributed computing middleware and the filtering, recording and delivery of digital video broadcasts. He graduated with a Masters of InfoTechnology at the University of Queensland in 1994.

LeFurgy, William G

Bill LeFurgy is Project Manager, Digital Initiatives, for the Library of Congress' National Digital Information Infrastructure and Preservation Program (NDIIP). He leads the Preserving State Government Information initiative, which works with 23 states to preserve geospatial information, state legislative records, and other materials of long-term value. Bill also manages several other NDIIP projects that work with a variety of domestic and international partners.

Prior to joining the Library of Congress in 2002, LeFurgy served as Deputy Director of Modern Records Programs with the National Archives and Records Administration. He worked for the National Archives for 12 years in areas such as digital information preservation and access, records appraisal, and records management. LeFurgy received his Master of Arts in history and Master of Library Science degrees from the University of Maryland, College Park, and his Bachelor of Arts degree from McGill University

Lang, Suzanne

Suzanne Lang has been engaged with several digitization projects at the Digital Department of the Bavarian State Library. Since spring this year, she has worked for the DFG (German Research Foundation)-Study 'Development of organizational and business models for the long-term preservation of digital objects.' She completed a course for higher education and research management at the German University of Administrative Sciences in Speyer in 2007. She obtained a masters degree in political science from Munich University in 2006.

Lunghi, Maurizio

Maurizio Lunghi is Scientific Director of the FRD and is responsible for coordinating projects and specific activity on digitisation and digital preservation related issues. He has worked in international research projects on new technologies. This included three years at the European Commission DG-INFOS where he acted as project officer and evaluator. During that time, he developed expertise on benchmarking and process indicators. Maurizio participates in Digital Preservation Europe (DPE) - a programme, funded by the European commission, which coordinates action on digital preservation and has specific tasks to build communities and produce study material. In 2005, he worked for the Luxembourg Ministry of Culture to organise the cultural activities during the Presidency of the EU. In 2004, he contributed to the Lund Action Plan renovation on behalf of the Dutch Ministry of Culture. He is co-author of various documents including: a benchmarking model for digitisation policies, the NRG progress report on 2002 and 2003, and the "Firenze agenda".

McGovern, Nancy

In September 2006, Nancy Y. McGovern became the Digital Preservation Officer at the Inter-university Consortium for Political and Social Research (ICPSR). For the five years prior to that, she was the Director of Research and Assessment Services and Digital Preservation Officer at Cornell University Library. She has focused on digital preservation research and practice since 1986, when she began a decade of service on the senior staff of the Center for Electronic Records at the U.S. National Archives. She is completing her PhD on a digital preservation topic through University College London. She co-founded the Society of American Archivists' Research Forum in 2007. Between 2001 and 2006, she served as co-editor of RLG DigiNews from 2001 to 2006 and co-developed of the Digital Preservation Management workshop series and tutorial with Anne R. Kenney beginning in 2002, which she continues to direct.

McKay, Aprille

Aprille McKay is a Digital Preservation Specialist at ICPSR, where she manages the Digital Preservation Workshop program and serves as a workshop instructor. Previously, she was the Project Manager for the Mellon-funded project, "Developing Standardized Metrics in College and University Archives and Special Collections," based at the UM's School of Information, working with Ax-SNET investigators Elizabeth Yakel, Helen Tibbo and Wendy Duff. She has worked at the Bentley Historical Library, specializing in legal collections, and has also practiced law in the Chicago area. She holds an MSI with specialisation in Archives and Records Management from the UM School of Information, a JD from the University of Chicago and a B.A. from the University of Virginia. She is a member of SAA's Intellectual Property Working Group, Website Working Group and the Standards Committee.

McLeod, Rory

Rory McLeod is the Digital Preservation Manager for Collection Care at The British Library (BL). Rory is leading a range of new initiatives in digital Preservation for the BL's collection areas. The aim of these initiatives is to provide policy, technical support and guidance in the stewardship of e-collections and information management. The range of responsibilities managed by Rory covers risk management, economic cost modelling, business change and preservation services. Rory also has external responsibilities to the other UK Legal deposit libraries, Higher Education institutions, Government departments and commercial vendors. Finally, Rory provides advice to the BL on proposed changes or extensions to Legal deposit legislation and its impact on long-term preservation to digital collections.

Minkus, Michael

Since spring this year, Michael Minkus has been working for the DFG (German Research Foundation)-Study 'Development of organisational and business models for the long-term preservation of digital objects.' Previously, he was Scientific Assistant at the Institute for Mathematics and Operation Research University of the Federal Armed Forces Munich, Germany. There he participated in projects of different industrial and ministerial sponsors in the field of the intelligent document management. From 2001 he worked as Process- and Project Manager for a Small and Medium-sized Enterprise Softwarehouse. Michael worked at the University of the Federal Armed Forces Munich, Germany for four years as a Research Scientist before. Michael M. Minkus holds a Diploma in Mechanical Engineering and Management and Diploma in Business Administration from the Technische Universität, Munich, Germany.

Muir, Adrienne

Adrienne Muir is a Senior Lecturer in the Department of Information Science, Loughborough University. Her research interests include preservation - especially digital preservation - legal and ethical issues and national information policy. She teaches collection and preservation management, digital preservation, and legal and ethical issues in information and knowledge management. Previously, Adrienne managed Digital Library and Preservation research programmes for the British Library Research and Innovation Centre and the Library and Information Commission. She was a Researcher in information and cultural policy at the Policy Studies Institute and a Curator at the National Library of Scotland

■ **Murray, Ronald**

Ronald Murray is a Digital Conversion Specialist and technology monitor for the Library of Congress' Preservation Directorate. Previously, he performed data modelling tasks at Congressional Quarterly Inc. Ronald J. Murray has pursued doctoral studies in Communication Theory & Research at the Annenberg School for Communication at the University of Southern California. He received an undergraduate degree in Media and Cognition from Brown University, a MLIS from the University of Hawai'i at Manoa. He has been "working quietly" with FRBR concepts since 1999.

■ **Rajecki, Keith**

Keith Rajecki is a Solutions Architect with Global Government, Education, and Healthcare at Sun Microsystems. He develops strategic technology solutions to meet industry demands. Keith possesses over 13 years of innovative experience in higher education where he has led datacenter consolidations and the standardization of university technology infrastructure.

■ **Ramalho, José Carlos**

Jose Carlos Ramalho and two researchers (Miguel Ferreira and Luis Ferros) have this year launched KEEP SOLUTIONS, an academic spin-off company dedicated to Digital Preservation. KEEP is currently developing the Portuguese Digital Archive Portal and the Portuguese Library Scientific Portal among products targeted at long-term access and storage of Digital Objects.

Jose has worked as a teacher since 1991 until the present. From 1996, he has been researching in the Structured Documents area and is coordinating several projects in the Digital Archives and Libraries field. He was responsible for the creation of the conference series called XATA (starting in 2003). He has written two books and many articles presented at international and national conferences.

Previously, Jose Carlos Ramalho worked for the CCTC Research Centre, where he completed his PhD in 'Structured Documents Semantics' in 2000 and as a Researcher at Algoritmi's Research Center and Assistant at the Department of Informatics where he worked on his MSc.

Carlos Ramalho graduated as a Systems and Informatics Engineer in 1991. During his graduation he has worked as a freelancer software developer and as a network technician for Apple. During this time he also taught several courses about computer programming for several public institutions.

■ **Ras, Marcel**

Marcel Ras is Head of the e-Depot Department of the National Library of The Netherlands (KB). Previously, he worked between 2007 and 2005, as Project Manager Web Archiving. From 1999 to 2005 he worked as a Consultant for the Digital Heritage Association and was involved in many digitization and standardisation projects in The Netherlands. Previously, he worked on Historical Information Processing at Leiden University as Head and Teacher of at the Post-Graduate training school. He has also worked for some years of Archaeological field survey in different countries. He received his M.A. degree from Nijmegen University in the fields of Ancient History and Archaeology in 1992. Marcel is still involved in training and teaching at Leiden University in the field of digitization and digital preservation.

■ **Rettberg, Najla**

Najla Rettberg works as an independent digital preservation consultant on a range of projects. She is currently working for Charles Beagrie on the JISC-funded institutional preservation policy study. She was formerly the Executive Secretary of the Digital Preservation Coalition, an independent, not for profit membership organisation established to progress the digital preservation agenda in the UK. Before joining the DPC she worked in a consultancy capacity for the Digital Curation Centre, JISC, Kings College London and OCLC. Najla first got involved in digital preservation in 2000 when she worked at Edinburgh University Library on a number of digital library projects, which included developing a university digital preservation policy.

Rieger, Oya

Oya Rieger is associate university librarian for information technologies at Cornell University Library and oversees the repository development, digital preservation, electronic publishing, digitization, and e-scholarship initiatives. Her responsibilities also involve the coordination of Library's large-scale digitization collaborations. She is the coauthor of the award-winning *Moving Theory into Practice: Digital Imaging for Libraries and Archives* (Research Libraries Group 2000) and has served on several digital imaging and preservation working groups including co-chairing the development of ANSI/NISO Technical Metadata for Digital Images. Her recent publication in 2008 by CLIR focuses on the digitization challenges presented by large-scale digitization projects. She has a B.S. in Economics, an M.P.A., and an M.S. in Information Systems. She is currently pursuing a Ph.D. in a joint Cornell program with the Communication, Information Science, and Science & Technology Studies departments. Her research interests focus on sociocultural aspects of digital technologies and scholarly communication.

Rosenthal, David S.H.

David Rosenthal is a long-time Silicon Valley engineer at companies, which include Sun Microsystems, where he was a Distinguished Engineer, and Nvidia, where he was Chief Scientist and employee #4. For the last decade he has been working at Stanford Libraries researching the technologies of digital preservation, and designing and developing the LOCKSS system. See http://www.lockss.org/lockss/David_S.H._Rosenthal.

Rusbridge, Adam

Adam Rusbridge recently moved to EDINA at the University of Edinburgh where he is leading the DCC/EDINA jointly-led UK LOCKSS Alliance. Prior to this, he was based at the Humanities Advanced Technology and Information Institute (HATII) at the University of Glasgow where he was the UK LOCKSS (for Lots of Copies Keep Stuff Safe) Technical Support Officer for the UK LOCKSS Pilot Programme since November 2005. Before this, he was a Developer on the Digital Curation Centre's Representation Information Registry and Repository and undertook an ERPANET project to understand the ingest process of small, physical packaged objects into digital repositories. He has acted as Webmaster for a number of projects, most notably ERPANET. Before joining the University of Glasgow he completed an undergraduate degree in Computer Science at the University of Edinburgh, where his dissertation focused on the Migration on Request of digital image files.

Saul, Christian

Christian Saul recently joined the research team of the Business Area Data Representation and Interfaces at the Fraunhofer Institute Digital Media Technology as a PhD researcher. His work focuses on service-oriented architectures for working and learning environments. He received his Diploma in Informatics from the Ilmenau Technical University, Germany.

Schrimpf, Sabine

Sabine Schrimpf joined Nestor at the German National Library (DNB) as Scientific Assistant in 2007. Nestor is the network of expertise in long-term storage of digital resources for Germany. She received her master's degree in Publishing sciences at the University of Mainz in 2007. She wrote her master thesis on digital libraries (concept and structures of a European Digital Library in view of the challenge by Google Book Search). From 2002-2007, she studied Book and Publishing sciences, American studies and Literature at the University of Mainz.

Schumann, Natascha

Natascha Schumann is the Project Coordinator for Nestor - the German network of expertise in digital long-term preservation. From November 2005, she has been affiliated with the German National Library. Her key areas of activity are electronic publications, particularly electronic theses and dissertations within the framework of the co-ordination agency DissOnline. From 2002 until 2005 she was affiliated with the Department of Sociology at Darmstadt University of Technology, where she was involved in the development of an Internet portal for freely available social sciences resources. She has a degree in Social Sciences and further training as an information specialist.

Sierman, Barbara

Barbara Sierman (MA) is Digital Preservation Officer and Team Leader of the Digital Preservation Research Team of the KB, National Library of the Netherlands. She has worked at several IT companies as a Senior Consultant. She started her career in library automation in 1979 as a Library Consultant at OCLC-Pica. Barbara studied Dutch Literature at the University of Amsterdam. She has written several articles on Digital Preservation and participates in international projects, such as Planets (Research on preservation planning and OAIS), Driver II, and TRAC.

Spencer, Amanda

Amanda Spencer manages the Web Continuity Project at The National Archives. This project aims to solve the broken links across the central government web estate and will involve comprehensive web-archiving across government departments, agencies and NDPBs. She has a keen interest in 20th Century History, having recently completed a doctoral thesis on the Spanish Communist Party in Madrid during the Spanish Civil War, 1936-39. She is a graduate of the University of Sheffield, and has worked previously in mainframe applications development.

Steinke, Tobias

Tobias Steinke works in the IT department of the German National Library (Deutsche Nationalbibliothek). He is an expert for digital preservation and involved in several standardisation activities in this area. He is member of the METS Editorial Board. Previously, he worked for a software development company. He has been Project Manager for the German National Library in the German project Kopal to build up a co-operative used long-term digital information archive. Tobias studied Computer Science at the University of Technology Darmstadt

Dr. Sturm, des. Beate

This year, Beate Sturm joined the Research and Development Department at Goettingen State and University Library (SUB) in Germany. She made an internship in archivistics at the Archives of the Federal State of Baden-Wuerttemberg and the School of Archive in Marburg (Germany). Beate holds a Ph.D in Early Modern History. She studied History, French, Political Science and Education in Hanover (Germany) and Rouen (France).

von Suchodoletz, Dirk

Dirk is an Assistant at the Professorship of Communication Systems of the Institute for Computer Science at Freiburg University. He completed his PhD thesis on long-term preservation of dynamic digital objects in July 2008. The workgroup at the professorship became involved in preservation research projects through the Koninklijke Bibliotheek and joined the PLANETS project in 2006. Dirk studied Maths, Economics and Politics at the Georg August University Goettingen and received a Diploma in Mathematics in year 2002. During his student days he was engaged in network planning and setup in student dormitories and as a lecturer for computer networks and Linux for several educational institutions.

Walters, Tyler

Tyler Walters is the Associate Director, Technology and Resource Services, Georgia Institute of Technology Library and Information Center. He provides leadership, vision, and expertise in digital libraries and archives, new scholarly communication services, library collections and e-resource management, information technology management, and archives and records programs.

Mr. Walters is a co-Principal Investigator with the MetaArchive Cooperative, one of the eight original digital preservation partnerships with the U.S. Library of Congress National Digital Information Infrastructure and Preservation Program (<http://www.metaarchive.org>, <http://www.digitalpreservation.org>). He is also a founding board member and treasurer of the Educopia Institute, the not-for-profit organisation that manages the MetaArchive Cooperative and other future projects. Tyler is serving as Chair of the Host Committee for the 4th International Conference on Open Repositories in Atlanta, Georgia, May 18-21 2008. His other current appointments include membership on the Open Repositories Steering Committee, the National Science Foundation National Science Digital Library Sustainability Committee, and he is serving as an external review panelist for the Office of Accreditation, American Library Association. Tyler is also an active grant review panelist with the Institute of Museum and Library Services (IMLS), the National Science Digital Library (NSDL), and the

NSF Office of Cyberinfrastructure. He was also a member of the 2006 ARL / NSF workgroup that produced the report, *To Stand the Test of Time: Long-term Stewardship of Data Sets in Science and Engineering*, (<http://www.arl.org/bm~doc/digdatarpt.pdf>). The author of over 20 published articles and presenter at over 50 professional conferences; he is a past recipient of the Society of American Archivists Ernst Posner Award for best article in the *American Archivist* (1998). He holds a Master of Arts in Library and Information Science from the University of Arizona, a Master of Arts in Archival Management from North Carolina State University, and a B.A. in History from Northern Illinois University.

Wheatley, Paul

Paul Wheatley works for the British Library where he is Digital Preservation Manager and a member of the team responsible for ensuring the longevity of the Library's digital collections. Previously, he worked as a technology journalist and software developer. Over the last decade, Paul has played a leading role in a variety of international digital preservation activities. He has worked on the seminal Cedars and Camileon projects, the latter gaining international recognition for its role in rescuing the BBC Domesday system using emulation technology. He is educated in Computer Science.

Woods, Kam

Kam Woods is a Ph.D student in Computer Science and Research Assistant at Indiana University, Bloomington. He received an MS in Computer Science from Baylor University and BA with a major in Computer Science from Swarthmore College. His research focuses on the development and evaluation of software to facilitate long-term digital preservation.

Wright, Richard

Richard Wright is Technology Manager at the BBC Archives. Previously, he worked in acoustics, speech and signal processing for US and UK Government research laboratories, University College London, Royal National Institute for the Deaf and Cirrus Research (acoustical and audiometric instrumentation).

He was Project Manager for BBC for PrestoSpace (FP6 IST IP), Birth of Television (FP5 eContent) and Spoken Word (JISC/NSF). Richards is a former Head of EBU panel on Future Radio Archives, and of EC project PRESTO (Preservation Technology). He was BBC Project manager for EC projects Amicitia and Euromedia. Between 2001 and 2002 he was a member of EC (Delos)/NSF Working Group on Spoken Word Archives. He was also a Member of Advisory Committee for "TRECVID" annual international video retrieval evaluation exercise.

Richard Wright was educated at the University of Michigan, USA and Southampton University, UK. He has a Ph D in Digital Signal Processing (Speech Synthesis) (1988), MA Computer Science (1972), BSc Engineering Science (1967).

Au Yeung, Tim

Tim Au Yeung is the Manager of Digital Object Repository Technology with Libraries and Cultural Resources at the University of Calgary. He has worked on a number of large digitization projects including Alberta Heritage Digitization (www.ourfutureourpast.ca) and Our Roots: The Canadian Local Histories (www.ourroots.ca), involving the digitization of millions of pages of Canadian printed history. Currently, he is working on Synergies Canada for scholarly e-publishing in the social sciences and humanities with the specific focus of developing a multi-tiered preservation infrastructure. He has written two guides on digital preservation for museums in Canada that can be found at the Canadian Heritage Information Network (www.chin.gc.ca). When not working on digital preservation at an institutional level, Tim gets to experience digital preservation from the point of view of a creator as a published and exhibited photographer.

