Herbert Van de Sompel
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Academic Qualifications

1979	Licentiaat Wetenschappen, afdeling Wiskunde. Ghent University, Belgium.
1981	Speciale Licentie Informatica. Ghent University, Belgium.
2000	Ph.D. in Communication Science, Ghent University, Belgium.

Positions Held

08/1981	08/2000	Head of Library Automation, University Library, Ghent University, Belgium.
02/1999	07/1999	Visiting Researcher, Research Library, Los Alamos National Laboratory, Los Alamos, NM, USA.
08/2000	09/2001	Visiting Professor, Computer Science Department, Information Science Group, Cornell University, Ithaca, NY, USA.
09/2001	02/2002	Director of Electronic Strategy and Programs, The British Library, London, UK.
04/2002	11/2018	Scientist (Level 5) and Team Leader, Digital Library Research and Prototyping Team, Research Library, Los Alamos National Laboratory, Los Alamos, NM, USA.
06/2010	01/2019	Visiting Professor, DANS (Data Archiving and Networked Services), The Hague, The Netherlands
01/2019	01/2021	Chief Innovation Officer at DANS (Data Archiving and Networked Services), The Hague, The Netherlands
09/2019	onward	Guest Professor, IDLab, Faculty of Engineering, Ghent University, Belgium
02/2021	onward	Research Fellow, DANS (Data Archiving and Networked Services), The Hague, The Netherlands

Honors and Awards

2003	LITA/OCLC Frederick G. Kilgour Award for Research in Library and Information Technology.
2003	UKOLUG Tony Kent Strix Award.
2004	Charleston Advisor Five Star Award for an Individual.
2004	Best Poster Award, ACM/IEEE Joint Conference on Digital Libraries
2005	Los Alamos National Laboratory Distinguished Performance Award 2004.
2005	ANSI Meritorious Service Award 2005.
2005	LACASIS Contributions to Information Science and Technology Award 2005.
2006	SPARC Innovator (first recipient).
2006	Best Poster Award, ACM/IEEE Joint Conference on Digital Libraries
2010	Digital Preservation Award from the Digital Preservation Coalition.
2011	Vannevar Bush Best Paper Award, ACM/IEEE Joint Conference on Digital Libraries
2013	Los Alamos National Laboratory, Outstanding Innovation Award
2015	Los Alamos National Laboratory Fellows Award Prize for Outstanding Research in Science and Engineering
2017	CNI/ARL/EDUCAUSE Paul Evan Peters Award

Research Funding

09/1998	08/1999	Bijzondere Doctoraatsbeurs, Belgian Science Foundation.
02/1999	07/1999	Grant form the Council on Library and Information Resources to support travel and conference participation while conducting PhD research in the USA.
2001		Grant from the Digital Library Federation and the Coalition for Networked Information to support the activities of the Open Archives Initiative.
2002		Grant from the Digital Library Federation and the Coalition for Networked Information to support the activities of the Open Archives Initiative.
2004	2007	Grant from the Library of Congress's National Digital Information Infrastructure Preservation Program to conduct digital preservation research.
2004	2007	Grant from the US National Science Foundation for a research project related to cross-repository interoperability and workflows (Pathways).
2006	2008	Grant from the Andrew W. Mellon Foundation to support the Object Reuse and Exchange effort by the Open Archives Initiative (OAI-ORE).
2006	2008	Grant from the Andrew W. Mellon Foundation to research the feasibility of usage-based metrics for the assessment of scholarly impact (MESUR).
2008	2010	Grant from the Library of Congress's National Digital Information Infrastructure Preservation Program to research Web preservation (Tools for a Preservation-Ready Web).
2009	2010	Grant from the Andrew W. Mellon Foundation aimed at specifying a Web-centric annotation framework useable for scholarly applications (Open Annotation).
02/2009	08/2009	Sabbatical sponsored by the Los Alamos National Laboratory, and hosted by the University of New Mexico, Albuquerque, NM, USA.
2010	2011	Visiting Professor grant from the Royal Dutch Academy of Science (KNAW), hosted by the Data Archive and Networked Services (DANS), The Hague, The Netherlands.
2010	2012	Grant from the Library of Congress's National Digital Information Infrastructure Preservation Program to research Web preservation (Memento).
2011	2012	Follow-up grant from the Andrew W. Mellon Foundation aimed at specifying a Web-centric annotation framework useable for scholarly applications (Open Annotation).
2013	2014	Grant from the Sloan Foundation for the specification of an interoperable, web-centric, resource synchronization approach (ResourceSync).
2013	2015	Grant from the Andrew W. Mellon Foundation to quantify the extent of reference rot in web-based scholarly communication and explore approaches to combat it (Hiberlink).
2016	2019	Grant from the Andrew W. Mellon Foundation to explore web-centric approaches to archive the web-based scholarly record (Scholarly Orphans).

Teaching

01/2001	05/2001	Cornell University. Computing Methods for Digital Libraries (CS502)
1996	2012	Tilburg University. International Summer School on the Digital Library. Various topics related to innovative use of technology in digital libraries.
2001	2005	Emory University. Frye Leadership Institute. Various topics related to innovations in scholarly communication.
2001	Onward	Tutorials at various conferences related to information interoperability technologies.

Service

Expert Committees

Member of numerous advisory boards and expert committees for the scholarly information industry, funding agencies, and funded projects including but not limited to: ISI, Thomson-Reuters Scientific, SilverPlatter, Ex Libris, CrossRef, OCLC, Swets, JISC, DINI, SURF, European Commission, National Science Foundation, Europeana, Planets, OpenAIRE, EOSCPilot, Thor, EUDAT, DataCite.

Peer Review

Peer Review of papers and project proposals for various venues including but not limited to: Joint Conference on Digital Libraries, European Conference on Digital Libraries, Theory and Practice of Digital Libraries, Linked Data on the Web, European Semantic Web Conference, Conference on Information and Knowledge Management, International Semantic Web Conference, Semantics, European Commission.

Conference Organization

Member of the steering committee of the OAI Workshops on Innovations in Scholarly Communication since its inauguration.

Program Chair of the Joint Conference on Digital Libraries 2012.

Steering Committee member of the Joint Conference on Digital Libraries.

PhD Committee Member

Jeroen Bekaert (Ghent University), Ruben Verborgh (Ghent University), Martin Klein (Old Dominion University), Ahmed Alsum (Old Dominion University), Sam Coppens (Ghent University), Miel Vander Sande (Ghent University), Sarven Capadisli (University of Bonn)

Student Support

Ghent University: Master Thesis Advisor (students of Prof. Dr. Ir. Luc Boullart)

Vandenbulcke, D. Studie van een bibliografische bezitsdatabank op CD-ROM. Afstudeerwerk tot het behalen van de wettelijke graad van Licentiaat in de Informatica. Academiejaar 1988-1989, Universiteit Gent.
{translated title: 'Study for a bibliographic holdings database on CD-ROM'}.

Deseynne, J. Indexatie van databanken voor CD-ROM via transputers. Afstudeerwerk tot het behalen van de wettelijke graad van Licentiaat in de Informatica, Academiejaar 1989-1990, Universiteit Gent.
{translated title: 'Indexing databases for CD-ROM using transputers'}.

Daels, K. Transputer-gebaseerde verwerking van een SGML-gestructureerde bibliografische databank. Afstudeerwerk tot het behalen van de wettelijke graad van Licentiaat in de Informatica Academiejaar 1990-1991, Universiteit Gent. *{translated title: 'Indexing SGML structured bibliographic information using transputers'}.*

Verberckmoes, P. Een WWW toegang tot de Silverplatter ERL server. Afstudeerwerk tot het behalen van de wettelijke graad van Industrieel Ingenieur, Academiejaar 1994-1995, *{translated title: 'A WWW interface for the SilverPlatter ERL server'}.*

De Groot, G. In-house realisatie van SilverPlatter ERL databanken. Afstudeerwerk tot het behalen van de wettelijke graad vanIndustrieel Ingenieur, Academiejaar 1996-1997. *{translated title: 'In-house realization of SilverPlatter ERL databases'}.*

D'hondt, D. Een Java screen-saver met netwerk-connecties. Afstudeerwerk tot het behalen van de wettelijke graad van Industrieel Ingenieur, Academiejaar 1997-1998.

Los Alamos National Laboratory: Mentoring

- Researchers: Luydmilla Balakireva, Johan Bollen, Robert Sanderson, Thorsten Schwander, Martin Klein
- PostDocs: Martin Klein, Xiaoming Liu, Marko Rodriguez, Martin Klein
- Graduate Students: Jeroen Bekaert, Frank McCown, Henry Jerez, Shawn Jones, Frank McCown, Alberto Pepe, Marko Rodriguez, Zhiwu Xie
- Masters Students: Yorick Chollet, Nicolas Bornand

Commercialization

2000	SFX Linking Server sold by Ghent University to Ex Libris and since then used by libraries, worldwide.
2008	bX Article Recommender Engine sold by the Los Alamos National Laboratory to Ex Libris and since then used by libraries, worldwide. Based on US Patent 8135662 "Usage based indicators to assess the impact of scholarly works: architecture and method".

Publications

Metrics from Google Scholar (https://scholar.google.com/citations?user=mIQeK38AAAAJ), not Web of Science, because the research I conduct is disseminated via papers published in a multitude of venues including journals, conference proceedings, preprint repositories, professional magazines:
- H-index: 46
- H-index since 2018: 21
- Total citations: 9857

2022

Hochstenbach, P., Van de Sompel, H., Vander Sande, M., Dedecker, R., and Verborgh, R. (2022) Event Notifications in Value-Adding Networks. Linking Theory and Practice of Digital Libraries, TPDL2022. https://doi.org/10.1007/978-3-031-16802-4_11, preprint at https://arxiv.org/abs/2208.00665

Nelson, M.L. and Van de Sompel, H. (2022) D-Lib Magazine pioneered web-based scholarly communication. Proceedings of the 22nd ACM/IEEE Joint Conference on Digital Libraries, JCDL 2022. https://doi.org/10.1145/3529372.3530929

2021

Jones, S., Klein, M., Van de Sompel, H., Nelson, M.L., and Weigle, M.C. (2021) Interoperability for Accessing Versions of Web Resources with the Memento Protocol. In: The Past Web: Exploring Web Archives https://doi.org/10.1007/978-3-030-63291-5_9

Jones, S., Klein, M., and Van de Sompel (2021) Robustifying Links To Combat Reference Rot. code4lib, 50, 2021-02-10. https://journal.code4lib.org/articles/15509

2020

Nelson, M.L., and Van de Sompel, H. (2020) A 25 Year Retrospective on D-Lib Magazine. arXiv preprint. https://arxiv.org/abs/2008.11680; HTML version on WS-DL blog https://ws-dl.blogspot.com/2020/08/2020-08-27-25-year-retrospective-on-d.html

2019

Vander Sande, M., de Valk, S., Meijers, E., Taelman, R., Van de Sompel, H., and Verborgh, R. (2019) Discovering Data Sources in a Distributed Network of Heritage Information. Accepted for Semantics 2019

Klein, M., Shankar, H., Balakireva, L., and Van de Sompel, H. (2019) The Memento Tracer Framework: Balancing Quality and Scalability for Web Archiving. Accepted for TPDL 2019

Alam, S., Weigle, M.C., Nelson, M.L., Klein, M., and Van de Sompel, H. (2019) Supporting Web Archiving via Web Packaging https://arxiv.org/abs/1907

Aturban, M., Nelson, M.L., Weigle, M.C., Klein, M., and Van de Sompel, H. (2019) Collecting 16K archived web pages from 17 public web archives https://arxiv.org/abs/1906.07104

Nelson, M.L., and Van de Sompel, H. (2019) Adding the dimension of time to HTTP. In: The SAGE Handbook of Web History. Edited by: Brügger, N., and Milligan, I. ISBN: 9781473980051

2018

Klein, M., Balakireva, L., and Van de Sompel, H. (2018) Focused Crawl of Web Archives to Build Event Collections. Proceedings of the 10th ACM Conference on Web Science, WebSci 2018. https://doi.org/10.1145/3201064.3201085

Klein, M., Shankar, H., and Van de Sompel, H. (2018) Signposting for Repositories. Proceedings of the 18th ACM/IEEE on Joint Conference on Digital Libraries, JCDL 2018. https://doi.org/10.1145/3197026.3203879

Klein, M., Shankar, H., and Van de Sompel, H. (2018) Robust Links in Scholarly Communication. Proceedings of the 18th ACM/IEEE on Joint Conference on Digital Libraries, JCDL 2018. https://doi.org/ 10.1145/3197026.3203885

2017

Vander Sande, M., Verborgh, R., Hochstenbach, P., and Van de Sompel, H. (2017) Towards sustainable publishing and querying of distributed Linked Data archives. Journal of Documentation. Volume 13, Issue 6. Preprint at http://linkeddatafragments.org/publications/jod2017.pdf

Klein, M., and Van de Sompel, H. (2017) Discovering Scholarly Orphans Using ORCID. Proceedings of the 2017 ACM/IEEE Joint Conference on Digital Libraries. Arxiv preprint arXiv:1703.09343 at https://arxiv.org/abs/1703.09343

Kelly, M., Alkwai, L. M., Nelson, M.L., Weigle, M. C., and Van de Sompel, H. (2017) Impact of URI Canonicalization on Memento Count. Proceedings of the 2017 ACM/IEEE Joint Conference on Digital Libraries. Arxiv preprint arXiv:1703.03302 at https://arxiv.org/abs/1703.03302

2016

Jones, S., Michael L. Nelson, and Van de Sompel (2016) Avoiding spoilers: wiki time travel with Sheldon Cooper. Int J Digit Libr doi: 10.1007/s00799-016-0200-8 ; https://doi.org/10.1007/s00799-016-0200-8

Jones, S., Van de Sompel, H., Shankar, H., Klein, M., Tobin, R., and Grover, C. (2016) Scholarly Context Adrift: Three out of Four URI References Lead to Changed Content. PLoS ONE, 11(12): e0167475. doi: 10.1371/journal.pone.0167475 ; http://dx.doi.org/10.1371/10.1371/journal.pone.0167475

Van de Sompel, H., Rosenthal, D., and Nelson, M.L. (2016) Web Infrastructure to Support e-Journal Preservation (and More). Arxiv preprint. arXiv:1605.06154 ; http://arxiv.org/abs/1605.06154

Bornand, N., Balakireva, L., and Van de Sompel, H. (2016) Routing Memento Requests Using Binary Classifiers. Proceedings of the 16th ACM/IEEE-CS on Joint Conference on Digital Libraries, JCDL 2016. http://doi.acm.org/10.1145/2910896.291089

Van de Sompel, H., Klein, M., and Shawn, J. (2016) Persistent URIs Must Be Used To Be Persistent. Proceedings of the 25th International Conference Companion on World Wide Web, WWW 2016. http://dx.doi.org/10.1145/2872518.2889352

2015

Van de Sompel, H., and Nelson, M.L. (2015) Reminiscing About 15 Years of Interoperability Efforts. D-Lib Magazine, 21(11/12). http://dx.doi.org/10.1045/november2015-vandesompel

Borgman, C. L., Van de Sompel, H., Scharnhorst, A., van den Berg, H. and Treloar, A. (2015) Who uses the digital data archive? An exploratory study of DANS. Proceedings of the Association for Information Science and Technology,52(1), pp 1-4. http://dx.doi.org/10.1002/pra2.2015.145052010096

Alam, S., Nelson, M.L., Van de Sompel, H., Balakireva, L., Shankar, H., and Rosenthal, D. (2015) Web Archive Profiling Through CDX Summarization. International Conference on Theory and Practice of Digital Libraries, TPDL 2015. http://dx.doi.org/ 10.1007/978-3-319-24592-8_1

Ainsworth, S., Nelson, M.L., and Van de Sompel, H. (2015) Only One Out Of Five Archived Web Pages Existed as Presented. Proceedings of the 26th ACM Conference on Hypertext & Social Media, HT 15. http://dx.doi. org/10.1145/2700171.2791044

2014

Klein, M., Van de Sompel, H., Sanderson, R., Shankar, H., Balakireva, L., Zhou K., and Tobin, R. (2014) Scholarly Context Not Found: One in Five Articles Suffers from Reference Rot. PLoS ONE, 9(12): e115253. doi:10.1371/journal.pone.0115253 ; http://dx.doi.org/10.1371/journal.pone.0115253

Van de Sompel, H., and Treloar, A. (2014) A Perspective on Archiving the Scholarly Web. Proceedings of the 11th International Conference on Digital Preservation, iPres2014

Alsum, A., Weigle, M.C., Nelson, M.L., and Van de Sompel, H. (2014) Profiling Web Archive Coverage for Top-Level Domain and Content Language. International Journal on Digital Libraries; doi:10.1007/s00799-014-0118-y; http://dx.doi.org/10.1007/s00799-014-0118-y

Jones, S., Nelson, M.L., Shankar, H. and Van de Sompel, H. (2014) Bringing Web Time Travel to MediaWiki: An Assessment of the Memento MediaWiki Extension. Arxiv preprint. arXiv:1406.3876 ; http://arxiv.org/abs/1406.3876

Powell, J., Shankar, H., Rodriguez, M., and Van de Sompel, H. (2014) EgoSystem: Where are our Alumni? Code4Lib Journal, Issue 24. http://journal.code4lib.org/articles/9519

Haslhofer, B., Sanderson, R., Simon, R., and Van de Sompel, H., (2014) Open Annotation on Multimedia Web Resources. Multimedia Tools and Applications; doi:10.1007/s11042-012-1098-9; http://dx.doi.org/10.1007/s11042-012-1098-9

Van de Sompel, H., Sanderson, R., Shankar, H., and Klein, M. (2014) Persistent Identifiers and the Web: The Need for an Unambiguous Mapping. International Journal of Digital Curation, Vol 9, No 1. http://dx.doi.org/10.2218/ijdc.v9i1.320

Klein, M., Sanderson, R., Van de Sompel, H., and Nelson, M.L. (2014) Real-Time Notification for Resource Synchronization. Arxiv preprint. arXiv:1402.3305 ; http://arxiv.org/abs/1402.3305

Ainsworth, S., Nelson, M.L., and Van de Sompel, H. (2014) A Framework for Evaluation of Composite Memento Temporal Coherence. Arxiv preprint. arXiv:1402.0928 ; http://arxiv.org/abs/1402.0928

2013

Xie, Z., Van de Sompel, H., Liu, J., van Reenen, J., and Jordan, R. (2013) Archiving the Relaxed Consistency Web. CIKM '13: Proceedings of the 22nd ACM international conference on Conference on information & knowledge management; doi:10.1145/2505515.2505551 ; http://dx.doi.org/10.1145/2505515.2505551 ; Arxiv preprint. arXiv:1308.2433; http://arxiv.org/abs/1308.2433

Brunelle, J., Nelson, M.L., Balakireva, L., Sanderson, R., and Van de Sompel, H. (2013) Evaluating SiteStory with the ApacheBench Tool. Lecture Notes in Computer Science, Volume 2013; doi:10.1007/978-3-642-40501-3_20; http://dx.doi.org/10.1007/978-3-642-40501-3_20

Alsum, A., Weigle, M.C., Nelson, M.L., and Van de Sompel, H. (2013) Profiling Web Archive Coverage for Top-Level Domain and Content Language. Lecture Notes in Computer Science, Volume 2013; doi:10.1007/978-3-642-40501-3_7; http://dx.doi.org/10.1007/978-3-642-40501-3_7

Klein, M., and Van de Sompel, H. (2013) Extending Sitemaps for Resourcesync. (2013) ACM/IEEE Joint Conference on Digital Libraries 2013; doi:10.1145/2467696.2467733; http://dx.doi.org/10.1145/2467696.2467733

Haslhofer, B., Warner, S, Lagoze, C., Klein, M., Sanderson, R., Nelson, M.L. and Van de Sompel, H. (2013) ResourceSync: Leveraging Sitemaps for Resource Synchronization. Arxiv preprint. arXiv:1305.1476; http://arxiv.org/abs/1305.1476 Accepted at WWW 2013 Developer Track

Sanderson, R., Ciccarese, P., and Van de Sompel, H. (2013) Designing the W3C Open Annotation Data Model. Arxiv preprint. arXiv:1304.6709; http://arxiv.org/abs/1304.6709 Accepted for ACM Conference on Web Science 2013

Alsum, A., Nelson, M.L., Sanderson, R., and Van de Sompel, H. (2013) Archival HTTP Redirection Retrieval Policies. Third Temporal Web Analytics Workshop (TempWeb03) May 13 2013, Rio de Janeiro, Brasil. http://dl.acm.org/citation.cfm?id=2488117

Klein, M., Sanderson, R., Van de Sompel, H., Warner, S, Haslhofer, B., Lagoze, C., and Nelson, M.L. (2013) A Technical Framework for Resource Synchronization. doi:10.1045/january2013-klein; http://dx.doi.org/10.1045/january2013-klein

2012

Van de Sompel, H., Sanderson, R., Klein, M., Nelson, M.L., Haslhofer, B., Warner, S, and Lagoze, C. (2012) A Perspective on Resource Synchronization. doi:10.1045/september2012-vandesompel; http://dx.doi.org/10.1045/september2012-vandesompel

Xie, Z., Van de Sompel, H., Liu, J., van Reenen, J., and Jordan, R. (2012) Poor Man's Social Network: Consistently Trade Freshness for Scalability. 3rd USENIX Conference of Web Application Development, Boston, MA, June 12-15 2012.https://www.usenix.org/conference/webapps12/technical-sessions/presentation/xie

Sanderson, R., Albritton, B., Schwemmer, R., and Van de Sompel, H. (2011) SharedCanvas: A Collaborative Model for Medieval Manuscript Layout. International Journal on Digital Libraries; doi:10.1007/s00799-012-0098-8; http://dx.doi.org/10.1007/s00799-012-0098-8

Sanderson, R., and Van de Sompel, H. (2012) Cool URIs and Dynamic Data. IEEE Internet Computing, July/August 2012; http://dx.doi.org/10.1109/MIC.2012.78

2011

Sanderson, R., Brugman, H., Albritton, B., and Van de Sompel, H. (2011) Evaluating the SharedCanvas Manuscript Data Model in CATCHPlus. Proceedings of the 2011 Supporting Digital Humanities Conference (SDH 2011); Arxiv preprint. arxiv:1110.3687 ; http://arxiv.org/abs/1110.3687

Haslhofer, B., Simon, R., Sanderson, R., and Van de Sompel, H. (2011) The Open Annotation Collaboration (OAC) Model. MMWeb 2011; Arxiv preprint. arXiv:1106.5178 ; http://arxiv.org/abs/1106.5178
Sanderson, R., Phillips, M., and Van de Sompel, H. (2011) Analyzing the Persistence of Referenced Web Resources with Memento. Open Repositories 2011; Arxiv preprint. arXiv:1105.3459 ; http://arxiv.org/abs/1105.3459

Sanderson, R., Albritton, B., Schwemmer, R., and Van de Sompel, H. (2011) SharedCanvas: A Collaborative Model for Medieval Manuscript Layout Dissemination. Proceedings of the 11th ACM/IEEE-CS Joint Conference on Digital libraries - Winner of Best Paper Award; Arxiv preprint. arxiv:1104.2925 ; http://arxiv.org/abs/1104.2925

Sanderson, R., Brugman, H., Albritton, B., and Van de Sompel, H. (2011) Evaluating the SharedCanvas Manuscript Data Model in CATCHPlus. Proceedings of the 2011 Supporting Digital Humanities Conference (SDH 2011); Arxiv preprint. arxiv:1110.3687 ; http://arxiv.org/abs/1110.3687

Haslhofer, B., Simon, R., Sanderson, R., and Van de Sompel, H. (2011) The Open Annotation Collaboration (OAC) Model. MMWeb 2011; Arxiv preprint. arXiv:1106.5178 ; http://arxiv.org/abs/1106.5178

2010

High Level Expert Group on Scientific Data, including Van de Sompel, H. (2010) Riding the wave: How Europe can benefit from the rising tide of scientific data. A submission to the European Commission; http://www.grdi2020.eu/Pages/Unlock.aspx

Cole, T., Hunter, J., Sanderson, R., Van de Sompel, H. (2010) The Open Annotation Collaboration: A Data Model to Support Sharing and Interoperability of Scholarly Annotations. Digital Humanities 2010 conference issue of Literary and Linguistic Computing.

Van de Sompel, H., Sanderson, R., Nelson, M.L., Balakireva, L., Ainsworth, S., Shankar, H. (2010) An HTTP-Based Versioning Mechanism for Linked Data. Proceedings of the 3rd Workshop on Linked Data on the Web (LDOW2010). Arxiv preprint. arxiv:1003.3661 ; http://arxiv.org/abs/1003.3661

Sanderson, R., and Van de Sompel, H. (2010) Making Web Annotations Persistent over Time. Proceedings of the 10th ACM/IEEE-CS Joint Conference on Digital libraries. Arxiv preprint. arxiv:1003.2643 ; http://arxiv.org/abs/1003.2643

Pepe, A., Mayernik, M., Borgman, C., and Van de Sompel, H. (2010) From Artifacts to Aggregations: Modeling Scientific Life Cycles on the Semantic Web. Journal of the American Society for Information Science and Technology, 61(3), pp. 567-582 doi:10.1002/asi.21263 ; http://dx.doi.org/10.1002/asi.21263

2009

Van de Sompel, H., Nelson, M.L., Sanderson, R., Balakireva, L., Ainsworth, S., Shankar, H. (2009) Memento: Time Travel for the Web. Arxiv preprint. arxiv:0911.1112 ; http://arxiv.org/abs/0911.1112

Van de Sompel, H., and Lagoze, C. (2009) All aboard: Toward a machine-friendly scholarly communication system. In: The Fourth Paradigm: Data-Intensive Scientific Discovery (Edited by Tony Hey, Stewart Tansley, and Kristin Tolle). Book at http://research.microsoft.com/en-us/collaboration/fourthparadigm/. Essay at http://research.microsoft.com/en-us/collaboration/fourthparadigm/4th_paradigm_book_part4_sompel_lagoze.pdf; self-archived copy

Bollen, J., Van de Sompel, H., Hagberg, A., and Chute, R. (2009) A Principal Component Analysis of 39 Scientific Impact Measures. PLoS ONE, 4(6), pp. e6022, 2009. doi:10.1371/journal.pone.0006022 ; http://dx.doi.org/10.1371/journal.pone.0006022
Pepe, A., Mayernik, M., Borgman, C., and Van de Sompel, H. (2009) From Artifacts to Aggregations: Modeling Scientific Life Cycles on the Semantic Web. Arxiv preprint. arxiv:0906.2549 ; http://arxiv.org/abs/0906.2549

Bollen, J., Van de Sompel, H., Hagberg, A., Bettencourt, L., Chute, R., and Balakireva, L. (2009) Clickstream Data Yields High-Resolution Maps of Science. PLoS ONE, 4(3), pp. e4803. doi:10.1371/journal.pone.0004803 ; http://dx.doi.org/10.1371/journal.pone.0004803

Bollen, J., Van de Sompel, H., Hagberg, A., and Chute, R. (2009) A principal component analysis of 39 scientific impact measures. Arxiv preprint. arXiv:0902.2183v1 ; http://arxiv.org/abs/0902.2183v1

McCown, F., Nelson, M.L., and Van de Sompel, H. (2009) Everyone is a Curator: Human-Assisted Preservation for ORE Aggregations. Arxiv preprint. arXiv:0901.4571v1 ; http://arxiv.org/abs/0901.4571v1

Rodriguez, M.A., Bollen, J., and Van de Sompel, H. (2009) Automatic metadata generation using associative networks. Transactions on Information Systems, 27(2), pp. 7:1-7:20. doi:10.1145/1462198.1462199 ; http://dx.doi.org/10.1145/1462198.1462199

Van de Sompel, H., Lagoze, C., Nelson, M.L., Warner, S., Sanderson, R., and Johnston, P. (2009) Adding eScience Assets to the Data Web. Proceedings of the 2nd Workshop on Linked Data on the Web (LDOW2009). Arxiv preprint. arXiv:0906.2135v1 ; http://arxiv.org/abs/0906.2135

2008

Bollen, J., Van de Sompel, H., and Rodriguez, M.A. (2008) Towards usage-based impact metrics: first results from the mesur project. Proceedings of the 8th ACM/IEEE-CS Joint Conference on Digital

Libraries, pp. 231-240. doi:10.1145/1378889.1378928 ;
http://dx.doi.org/10.1145/1378889.1378928

Bollen, J., Van de Sompel, H., and Rodriguez, M.A. (2008) Towards Usage-based Impact Metrics: - First Results from the MESUR Project. Arxiv preprint. arXiv:0804.3791v1 ;
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OAI-ORE: The Open Archives Initiative Object Reuse and Exchange Specifications. Editors: Carl Lagoze, Herbert Van de Sompel, Pete Johnston, Michael Nelson, Robert Sanderson, Simeon Warner. Available at http://www.openarchives.org/ore/toc

2006

info URI: The "info" URI Scheme for Information Assets with Identifiers in Public Namespaces. RFC 4452. Herbert Van de Sompel, Tony Hammond, Eamonn Neylon, Stuart L. Weibel. Available at http://www.rfc-editor.org/rfc/rfc4452.txt

2005

NISO OpenURL: ANSI/NISO Z39.88-2004 - The OpenURL Framework for Context-Sensitive Services. NISO Committee AX.

2004

OAI-Rights: Conveying rights expressions about metadata in the OAI-PMH framework. Editors: Carl Lagoze, Herbert Van de Sompel, Michael Nelson, Simeon Warner. Available at http://www.openarchives.org/OAI/2.0/guidelines-rights.htm

2003

OAI Static Repository: Specification for an OAI Static Repository and an OAI Static Repository Gateway. Editors: Carl Lagoze, Herbert Van de Sompel, Michael Nelson, Simeon Warner, Patrick Hochstenbach, Henry Jerez. Available at http://www.openarchives.org/OAI/2.0/guidelines-static-repository.htm

2002

OAI-PMH v 2.0: The Open Archives Initiative Protocol for Metadata Harvesting, v.2.0. Editors: Carl Lagoze, Herbert Van de Sompel, Michael Nelson, Simeon Warner. Available at http://www.openarchives.org/OAI/2.0/openarchivesprotocol.htm

2001

OAI-PMH v 1.1: The Open Archives Initiative Protocol for Metadata Harvesting, v.1.1. Editors: Carl Lagoze, Herbert Van de Sompel, Michael Nelson, Simeon Warner. Available at http://www.openarchives.org/OAI/1.1/openarchivesprotocol.html

2000

The Santa Fe Convention for the Open Archives Initiative. Editors: Herbert Van de Sompel and Carl Lagoze. Available at http://www.openarchives.org/sfc/sfc_entry.htm

OpenURL v 0.1: The OpenURL, v.0.1. Editors: Herbert Van de Sompel, Patrick Hochstenbach and Oren Beit-Arie. Internet Archive version available at http://bit.ly/6ISu

Presentations (Keynotes and Invited Talks)

2020

Herbert Van de Sompel. Persistent Identification: Easier Said than Done. Workshop on Persistent Identifiers by the Royal Library of The Netherlands and DANS. September 10 2020.

2019

Herbert Van de Sompel. Collecting the Organizational Scholarly Record. Keynote at VIVO 2019, Podgorica, Montenegro, September 5 2019.

Herbert Van de Sompel. Reference Rot = Link Rot + Content Drift. Guest lecture at Ghent University, Ghent, Belgium. May 9 2019.

Herbert Van de Sompel. Niet op het web maar van het web. Guest lecture at Ghent University, Ghent, Belgium. May 9 2019.

Martin Klein and Herbert Van de Sompel. An Institutional Perspective to Rescue Scholarly Orphans. CNI Membership Meeting, Spring 2019, St. Louis, MO. April 5 2019.

Herbert Van de Sompel. To the Rescue of Scholarly Orphans. PIDapalooza 2019, Dublin, Ireland, January 23 2019.

2018

Herbert Van de Sompel and Martin Klein. A Web-Centric Pipeline for Archiving Scholarly Artifacts. Joint TPDL and DCMI Conference, Porto, Portugal, September 12 2018.

Herbert Van de Sompel. Deconstructed and Decentralized Scholarly Communication. Jisc/CNI Conference, Oxford, UK, July 2 2018.

Herbert Van de Sompel. Perseverance on Persistence. EuropeanaTech2018, Rotterdam, The Netherlands. May 15 2018. Video recording at https://www.youtube.com/watch?v=7-NgdEqIjrI.

Herbert Van de Sompel. Scholarly Communication and the Decentralized Web. Meeting of the EC Horizon 2020 expert group on Future of Scholarly Publishing and scholarly Communication, Brussels, Belgium. March 26 2018.

2017

Herbert Van de Sompel. Scholarly Communication: Deconstruct and Decentralize? Paul Evan Peters Lecture, CNI Membership Meeting, Fall 2017, Washington, DC. December 12 2017. Video recording at https://www.youtube.com/watch?v=o4nUe-6Ln-8.

Herbert Van de Sompel. Interoperability for Discovery and Navigation: ResourceSync and Signposting. Tutorial at OAI9, Workshop on Innovations in Scholarly Communication, Geneva, Switserland, June 21 2017.

Herbert Van de Sompel. Reference Rot = Link Rot + Content Drift. Guest lecture at Ghent University, Ghent, Belgium. April 27 2017.

Herbert Van de Sompel. Niet op het web maar van het web. Guest lecture at Ghent University, Ghent, Belgium. April 27 2017.

Herbert Van de Sompel, Martin Klein, and Michael L. Nelson. To the Rescue of the Orphans of Scholarly Communication. CNI Membership Meeting, Spring 2017, Albuquerque, NM. April 3 2017. Video recording at https://vimeo.com/218627896.

Herbert Van de Sompel. Niet op het web maar van het web. University of Amsterdam, Amsterdam, The Netherlands. March 14 3 2017.

Herbert Van de Sompel. En toen was er niets meer. VOGIN-IP Conferentie, Amsterdam, The Netherlands. March 9 2017.

2016

Herbert Van de Sompel. Another kind of openness. Open Access Symposium, Cape Town University, Cape Town, South Africa, December 7 2016.

Herbert Van de Sompel. Werken aan een technische onderbouw voor autonome, samenwerkende webarchieven. NCDD's Een web van webarchieven, Eindhoven, November 17 2016.

Herbert Van de Sompel. Web Infrastructure to Connect Repositories. NCDD's Een web van erfgoeddata, Utrecht, The Netherlands, November 12 2016.

Herbert Van de Sompel. Signposting pattern for PIDs. PIDapalooza, Reykjavik, Iceland, November 10 2016.

Herbert Van de Sompel. Devising Affordable and Functional Linked Data Archives. Web Archiving and Digital Libraries Workshop 2016, Newark, NJ. June 22 2016.

Herbert Van de Sompel. Establishing New Levels of Interoperability for Web-Based Scholarship. COAR General Assembly, Vienna, Austria. April 12 2016.

Herbert Van de Sompel and Miel Vander Sande. Access to DBpedia Versions using Memento and Triple Pattern Fragments. CNI Membership Meeting, Spring 2016, San Antonio,TX. April 5 2016.

2015

Herbert Van de Sompel and Michael L. Nelson. Achieving Meaningful Interoperability for Web-based Research. CNI Membership Meeting, Fall 2015, Washington, DC. December 14 2015.

Herbert Van de Sompel. Signposting: a low-barrier component of semantic infrastructure. EUDAT Workshop, Barcelona, Spain, November 12 2015.

Herbert Van de Sompel. Web-Centric Solutions for Web-Based Scholarship. Webinar for ICSU World Data System, July 22 2015.

Herbert Van de Sompel. Memento: Uniform and Robust Access to Resource Versions. Tutorial at OAI9, Workshop on Innovations in Scholarly Communication, Geneva, Switserland, June 17 2015.

Herbert Van de Sompel. Results from the Hiberlink Project. DANS, The Hague, The Netherlands, May 19 2015.

Herbert Van de Sompel. Memento Time Travel. IIPC General Assembly 2015, Stanford University, Palo Alto, CA, April 28 2015.

Herbert Van de Sompel. Long Term Persistence of the Web-Based Scholarly Record. OSTI STIP Meeting, Los Alamos, NM, April 20 2015.

Herbert Van de Sompel. A Perspective on Archiving the Evolving Scholarly Record. OCLC Workshop on the Evolving Scholarly Record, Evanston, IL, March 23 2015.

2014

Herbert Van de Sompel. A Perspective on Archiving the Evolving Scholarly Record. OCLC Workshop on the Evolving Scholarly Record, Washington, DC, December 10 2014.

Herbert Van de Sompel. Towards a web native scholarly communication system. LISC75, Cape Town, South Africa, November 27 2014.

Herbert Van de Sompel. Creating Pockets of Persistence. 404/File Not Found, Washington, DC, October 24 2014.

Herbert Van de Sompel. When I say NOW, it's already over. Keynote at iPres, Conference on Digital Preservation (iPres 2014), Melbourne, Australia, October 10 2014.

Herbert Van de Sompel. Towards Robust Linking and Referencing for Web-Based Scholarly Communication. Conferences on Intelligent Computer Mathematics (CICM 2014), Coimbra, Portugal, July 11 2014.

Herbert Van de Sompel. Towards Robust Linking and Referencing for Web-Based Scholarly Communication. ElPub 2014, Thessaloniki, Greece, June 19 2014.

Herbert Van de Sompel, Andrew Treloar. A Perspective on Archiving the Evolving Scholarly Record. OCLC/DANS Workshop on the Evolving Scholarly Record, Amsterdam, The Netherlands, June 10 2014.

Herbert Van de Sompel. Using Web Infrastructure for Archiving. 3rd LIBER Workshop on Digital Curation, Vienna, Austria, May 19 2014.

Herbert Van de Sompel. From a System of Journals to a Web of Objects. Keynote at NASIG 2014 Conference, Dallas Forth-Worth, TX, May 3 2014.

Herbert Van de Sompel, Martin Klein. ResourceSync: A Modular Framework For Web-Based Resource Synchronization. CNI Membership Meeting, Spring 2014. St. Louis, MO, April 31 2014.

Herbert Van de Sompel. Open Platforms for Web Based Research Communication. SPARC 2014 Conference, Kansas City, MO, March 3 2014.

Herbert Van de Sompel. Memento and Hiberlink Overview. University of Louvain, Computer Science Department, Louvain, Belgium, January 22 2014.

Andrew Treloar and Herbert Van de Sompel. Riding the Wave and the Scholarly Archive of the Future. DANS, The Hague, The Netherlands, January 20 2014.

Herbert Van de Sompel. Hiberlink: Investigating Reference Rot In Web-Based Scholarly Communication. DANS, The Hague, The Netherlands, January 15 2014.

2013

Herbert Van de Sompel. Investigating Reference Rot In Web-Based Scholarly Communication. LIBIS seminar, University of Louvain, Louvain, Belgium, December 19 2013.

Herbert Van de Sompel and Martin Klein. Hiberlink: Investigating Reference Rot In Web-Based Scholarly Communication. CNI Membership Meeting, Fall 2013. Washington, DC, December 9 2013.

Herbert Van de Sompel. A clean slate. Keynote at ELAG 2013, Ghent, Belgium, May 29 2013.

Herbert Van de Sompel, Michael L. Nelson, David Rosenthal. Memento Aggregator Update. IIPC General Assembly, Ljubljana, Slovenia, April 23 2013.

Herbert Van de Sompel. From the version of record to a version of the record. Keynote at the CNI Membership Meeting, Spring 2013, San Antonio, TX. April 4 2013.

Herbert Van de Sompel, Martin Klein, Robert Sanderson. Overview of ongoing projects: Memento, Open Annotation, ResourceSync. Edina seminar, Edinburgh, UK. March 17 2013.

Herbert Van de Sompel. W3C Open Annotation. EUDAT User Meeting, London, UK. March 11 2013.

Herbert Van de Sompel. The Web as infrastructure for scholarly research and communication. Keynote at the International Digital Curation Conference, Amsterdam, The Netherlands. January 16 2013.

2012

Herbert Van de Sompel. Semantic Web & Linked Data. Mellon Foundation IT Projects Meeting. New York, NY, November 28 2012.

Herbert Van de Sompel. Memento: Time Travel for the Scholarly Web. University of Michigan Open Data Seminar. Ann Arbor, MI, November 31 2012.

Herbert Van de Sompel. Paint-Yourself-In-The-Corner Infrastructure. Keynote at Emerging Technologies in Academic Libraries 2012 (EMTACL2012), Trondheim, Norway, October 1 2012.

Herbert Van de Sompel. The Web-Based Scholarly Record: Identification, Persistence, Actionability. Keynote at Libraries in the Digital Age 2012 (LIDA2012), Zadar, Croatia, June 21 2012.

Herbert Van de Sompel. Web Archiving Activities at LANL. International Internet Preservation Consortium General Assembly. Washington, DC, May 2 2012.

Herbert Van de Sompel. ResourceSync: Towards a Web-Based Approach for Resource Synchronization. CNI Membership Meeting, Spring 2012. Baltimore, MD, April 2 2012.

Herbert Van de Sompel. Memento: Time Travel for the Web. Third BlogForever Consortium Meeting. Berlin, Germany, February 22 2012.

2011

Time Travel for the Scholarly Web. STM Innovations Seminar 2011, London, UK, December 2 2011.

Tipping the Sacred Cow: Thinking Beyond the Journal System. Keynote at Semantic Web in Bibliotheken 2011 (SWIB11), Hamburg, Germany, November 30 2011.

The Perpetual Now (and how to Esc it). Keynote at The Future of the Past of the Web, British Library, London, UK, October 7 2011.

Persistence, identification, and the actionability of data citations. Symposium on Developing Data Attribution and Citation Practices and Standards, Berkeley, CA, August 22 2011.

Towards a Machine-Actionable Scholarly Communication System. Keynote at LIBER 2011, Barcelona, Spain, June 30 2011.

Resource-Centric Interoperability for Digital Scholarship. Meertens Institute eHumanities Group, Amsterdam, The Netherlands, June 16 2011.

Memento: Giant Leaps Towards Seamless Navigation of the Past Web. CNI Task Force Meeting, Spring 2009 . San Diego, CA. April 4 2011. With Robert Sanderson, Michael Nelson.

2010

It's about Time. Keynote at the IGeLU Conference 2010, Gent, Belgium, August 30 2010.

Linked Data, OAI-ORE, and Open Annotation. DANS Linked Data Workshop, The Hague, The Netherlands, July 28 2010.

A brief introduction to Memento. IETF 78 - HTTPbis track, Maastricht, The Netherlands, July 26 2010. With Michael Nelson.

Open Annotation & Memento. Max Planck Institute for Psycholinguistics, University of Nijmegen, Nijmegen, The Netherlands, July 20 2010.

Accessing Resource versions with Memento. ODaF Europe 2010, Tilburg University, Tilburg, The Netherlands, July 7 2010.

Memento: Versioning Resources to support HTTP-based Discovery. JISC/CNI Meeting 2010, Edinburgh, UK, July 2 2010.

Memento: Time Travel for the Web. Santa Fe Institute, Santa Fe, NM, February 24 2010

Memento: Time Travel for the Web. University of New Mexico, Albuquerque, NM, February 10 2010

Memento: Time Travel for the Web. Europeana Meeting, Berlin, Germany, January 25 2010.

2009

Memento: Time Travel for the Web. CNI Task Force Meeting, Fall 2009. Washington, DC. December 15 2009. With Michael Nelson, and Robert Sanderson.

Interoperable Annotation: Perspectives from the Open Annotation Collaboration. CNI Task Force Meeting, Fall 2009 . Washington, DC. December 14 2009. With Robert Sanderson.

Memento: Time Travel for the Web. Ghent University Library, Gent, Belgium, December 9 2009.

Memento: Time Travel for the Web. OCLC Distinguished Speakers Series, Dublin, OH, November 19 2009.

Memento: Time Travel for the Web. Library of Congress Brown Bag Series, Washington, DC, November 16 2009. With Michael Nelson.

The OAI-ORE Interoperability Framework in the current Scholarly Communication Context. CERN Workshop on Innovations in Scholarly Communications (OAI6), Geneva, Switzerland, June 17-19 2009.

MESUR: Making Use and Sense of Scholarly Usage Data. Inforum 2009, Prague, Czech Republic, May 28 2009.

Attempts at innovation in scholarly communication. Keynote at Inforum 2009, Prague, Czech Republic, May 27 2009.

Attempts at innovation in scholarly communication. Keynote at the Bielefeld Conference 2009, Bielefeld, Germany, February 4 2009.
OAI Object Reuse and Exchange. LITA Standards Interest Group, ALA 2009 Winter Conference, Denver, CO, January 24 2009.

2008

OAI Object Reuse and Exchange (OAI-ORE): Production Release of the Specifications. CNI Task Force Meeting, Fall 2008 . Washington, DC, December 8 2008. With Carl Lagoze.

The djatoka JPEG 2000 image server. DLF Forum, Fall 2008. Providence, RI, November 13 2008. With Ryan Chute.

Work in Progress. Keynote at ETD 2008, Aberdeen, Scotland, June 4-7 2008.

The MESUR Project: in search of usage-based impact metrics. Keynote at UKSG 2008, Torquay, UK, April 7-9 2008.

2007

An Update from OAI Object Re-Use & Exchange. CNI Task Force Meeting, Fall 2007, Washington, DC, December 10-11 2007. With Carl Lagoze, Michael Nelson, Robert Sanderson, Simeon Warner.

Open Archives Initiative Object Reuse and Exchange: A Status Report. Digital Library Federation Fall 2007 Forum, Philadelphia, PA, November 5-7 2007. With Carl Lagoze, Michael Nelson, Simeon Warner.

An Update on the Open Archives Initiative Object Re-Use and Exchange (OAI-ORE) Project. CNI Task Force Meeting, Spring 2007, Phoenix, AZ, April 16-17 2007.

The Open Archives Initiative Object Re-Use and Exchange Effort. The 8th Annual AISTI Mini-Conference: Innovate or Perish: Information Science at a Cross Roads, Santa Fe, NM, May 15-16 2007.
OAI Object Re-Use and Exchange: Moving interoperability from the metadata to the resource level. European Library Automation Group (ELAG 2007), Barcelona, Spain, May 9-11 2007.

OAI Object Re-Use and Exchange. CERN Workshop on Innovations in Scholarly Communications (OAI5), Geneva, Switzerland, April 18-20, 2007.

Object Re-Use and Exchange. EUSIDIC 2007, Roskilde, Denmark, March 12-13, 2007.

2006

Augmenting Interoperability across Scholarly Repositories. JISC/CNI Conference, York, UK, July 7th 2006.

The Brave New World of Repositories. Keynote at ElPub 2006, Bansko, Bulgaria, 14-16 June 2006.

The Brave New World of Repositories. Keynote at IATUL 2006, Porto, Portugal, 22-25 May 2006.

Thoughts on Persistent Resolution. Digital Library Federation Forum, Austin, TX, April 10 2006.

Open Archives Protocol for Metadata Harvesting (OAI-PMH). Reading 2.0, San Francisco, CA, March 16 2006.

OpenURL Applications for Contextual Services. Reading 2.0, San Francisco, CA, March 16 2006.
The brave new world of repositories. LACASIST Award Ceremony, UCLA, Los Angeles, CA, February 16 2006.

2005

Lessons in Cross-Repository Interoperability learned from the aDORe effort. CNI Task Force, Fall 2005, December 6 2005, Phoenix, AZ. With Jeroen Bekaert.

The bX Project: Federating and Mining Usage Logs from Linking Servers. CNI Task Force, Fall 2005, December 6 2005, Phoenix, AZ. With Johan Bollen, Oren Beit-Arie.

OAI-PMH for resource harvesting. CERN Workshop on Innovations in Scholarly Communications (OAI4), Geneva, Switzerland, October 20 2005. With Michael Nelson.

A framework for assessing impact of units of scholarly communication based on OAI-PMH harvesting of usage information. CERN Workshop on Innovations in Scholarly Communications (OAI4), Geneva, Switzerland, October 20 2005. With Johan Bollen.

Lessons in cross-repository interoperability learned from the aDORe effort. Building the Info Grid, Copenhagen, Denmark, September 26 2005.

Repositories & Interoperability & Standards. AISTI Mini Conference, Santa Fe, NM, May 23 2005.

OAI-PMH for metadata and resource harvesting. Olybris 2005, Kos, Greece, April 19 2005.

Z39.88-2004: The OpenURL Framework for Context-Sensitive Services. Olybris 2005, Kos, Greece, April 19 2005.

Untitled I: Challenges ahead. Keynote at Olybris 2005, Kos, Greece, April 18 2005.

2004

An update from the OAI. CNI Task Force Meeting, Fall 2004, December 7 2004, Portland, OR. With Carl Lagoze, Michael Nelson, Simeon Warner.
mod_oai: metadata harvesting for everyone. Digital Library Federation Forum, Baltimore, MD, October 26 2004. With Michael Nelson, Xiaoming Liu, Aravind Elango.

Dynamic de-duplication of bibliographic data for user services. Digital Library Federation Forum, Baltimore, MD, October 26 2004. With Thorsten Schwander.

Thoughts about tomorrow's scholarly communication system. Keynote at the Current Research Information Systems 2004 Conference, Antwerp, Belgium, May 15 2004.

Federations of Institutional Repositories and Interoperability: Harvesting the Low-Hanging Fruit. CNI/JISC/SURF conference on Institutional Repositories, Amsterdam, The Netherlands, May 11 2004.

Federations of Institutional Repositories and OAI-PMH Harvesting: Beyond Dublin Core. CNI Task Force Meeting, Spring 2004, Alexandria, DC, April 16 2004.

The OAI and OAI-PMH: where to go from here? Keynote at the CERN Workshop on Innovations in Scholarly Communications (OAI3), Geneva, Switzerland, February 12-14 2004. With Carl Lagoze.

Motivation, inspiration and innovation from frustration. Keynote at the VALA 2004 Conference, Melbourne, Australia, February 4 2004.

2003

Digital Library Architecture based on MPEG-21 DIDL, the OAI-PMH, and the OpenURL. CNI Task Force Meeting, Fall 2003, Portland, OR, December 8 2003.

MPEG-21 DIDL, the OAI-PMH, and the OpenURL as building blocks for representing, storing and disseminating complex digital objects. Digital Library Federation Forum, Albuquerque, NM, November 17 2003. With Jeroen Bekaert, Patrick Hochstenbach.

Yesterday's thoughts on (the day after) tomorrow's scholarly communication system. Max Planck Gesellschaft, Berlin, Germany, October 20 2003.

A Post Digital Library Research Agenda. AISTI Miniconference, Santa Fe, NM, September 16 2003.

The OAI Static Repository: a file-based approach to exposing metadata via the OAI-PMH. Digital Library Federation Forum, New York, NY, May 16 2003.

The OpenURL Framework: origins, evolution, concepts. NISO OpenURL Workshop, New York, NY, May 13 2003.

How did we get here, and where do we go from here? Keynote at Open Archives Forum Workshop, Berlin, Germany, March 28 2003.

The OAI protocol for metadata harvesting. The Association of American Publishers, Smart Content: New ways to add value Workshop, Washington, DC, February 5 2003.

2002

The OpenURL Standard. CNI Task Force Meeting, Fall 2002, San Antonio, TX, December 5 2002. With Tony Hammond, Eric Van de Velde.

The OAI and a disaggregated system for Scholarly Communication. Keynote at the Ethical Forum on Scholarly Communication, University Foundation, Brussels, Belgium, October 20 2002.

The OAI and a disaggregated system for Scholarly Communication. Keynote at the conference Open Archives for Research, Ghent, Belgium, October 15th 2002.

Update from the OAI. Keynote at the CERN Workshop on Innovations in Scholarly Communications (OAI2), Geneva, Switzerland, October 17 2002.

The OAI-PMH and the OpenURL: original motivation, direction, future. Keynote at the Dublin Core Metadata Initiative Conference, Florence, Italy, October 14 2002.

OAI: Open Archives Initiative. Workshop on "Reclaiming academic output" organized by the Dutch Library Federation UKB, May 16 2002.

A New Harvest: Revealing Hidden Resources With the Open Archives Metadata Harvesting Protocol. Keynote for the OCLC Steering by Standards Satellite Broadcast session on the OAI. Dublin, OH, March 26 2002.

2001

The Open Archives Initiative. Digital Library Federation Forum, Chicago, IL, November 18 2001.

Systems for scholarly communication and the role of technology (part of report on Geneva workshop). LIBER conference, British Library, London, UK, July 4 2001.

The OpenURL Framework for the Context-sensitive Provision of Service Links. Emory University, Atlanta, GA, June 11 2001.

OAI protocol & scholarly communication. IATUL conference. Delft, The Netherlands, May 29 2001.

The OpenURL framework & SFX. Littleton Semninar. NCSU, Raleigh, NC, April 18 2001.

The OpenURL framework & SFX. Sun Microsystems ERC 2001. San Francisco, CA, March 28 2001.

Overview of the OAI metadata harvesting specifications. Keynote at the CERN Workshop on the Open Archives Initiative and Peer Review journals in Europe (OAI1), Geneva, Switzerland, March 22-23 2001.
Untitled, thoughts on scholarly communication. Cornell Library Council. Ithaca, NY, March 1 2001.

The OAI: Overview and historical context. OAI Open Meeting. Washington, DC, January 23 2001. With Carl Lagoze.

2000

The roof is on fire. Keynote at the CNI Task Force Meeting, Fall 2000, San Antonio, Texas, December 7-8 2000.

The Open Archives Initiative. Digital Library Federation Forum, Chicago, IL, November 18 2000.

Untitled, thoughts on scholarly communication. ASIS 2000, Digital Libraries and their Role in Knowledge Dissemination and Creation, Chicago, IL, November 13-16 2000.

The SFX framework, the OpenURL and the Open Archives Initiative. SLA Global 2000 conference, Brighton, UK, October 18 2000.

Interconnecting distributed scholarly information resources in a context sensitive manner. Access 2000 conference, St. John's, Newfoundland, Canada, September 20-22 2000.

Global Information Flows and the Open Archives Initiative. OCLC Users Council Meeting, Dublin, OH, May 21 2000.

Universities and electronic publishing. Dutch Universities and the communication of scholarly information in the 21st century, 's Hertogenbosch, The Netherlands, May 18 2000.

An open linking framework based on the DOI reference linking initiative. ICOLC, Orlando, Florida, April 2000.

The SFX framework for context-sensitive linking. CNI Task Force Meeting, Spring 2000, Washington, DC, March 27-28 2000.

1999

Towards interoperable archives: the Universal Preprint Service initiative. Interconnection 2000, Stellenbosch University, Stellenbosch, South Africa, November 1-2 1999.

Connecting distributed information services via SFX linking: the Gent & Los Alamos experiment. Interconnection 2000, Stellenbosch University, Stellenbosch, South Africa, November 2 1999.

SFX: een dynamische open linking service. Informatie 99, Brussels Belgium, September 17 1999. *{translated title: 'SFX: a dynamic open linking service}.*

De wetenschappelijke bibliotheek en de communicatie van wetenschappelijke informatie in een digitale omgeving. Keynote at Informatie 99, Brussels Belgium, September 17 1999. *{translated title: 'The research library and the communication of scientific information in a digital environment}.*

The Executive Lounge and SFX: two ways to integrate the information environment. LITA conference, ALA 1999 Summer Conference, New Orleans, US, June 26 1999.

1998

The hybrid information environment and our Intranet solution to access it. Caslin 98 meeting, Tatras Mountains, Slovac Republic, Spring 1998.

The hybrid information environment and our Intranet solution to access it. Informatie 98, Brussels, Belgium, September 1998.

An architecture for the creation of hybrid library services. Hybrid Library Symposium, Stellenbosch University, Stellenbosch, South Africa, May 1998.

1997

The hybrid information environment and our Intranet solution to access it. South African Online Information Meeting, Midrand, South Africa, 12-13 June 1997.

The hybrid information environment and our Intranet solution to access it. Aleph User Group Meeting, Aalborg, Denmark, August 1997.

1996

The Union Catalogue of Belgian Research Libraries is ERL compliant. SilverPlatter Partner meeting, London, UK, December 1996.

Delivering Contemporary Library Services in an Academic Environment. Eusidic Annual Conference, Bologna, Italy, October 1996.

1995

The changing library environment and the tools to choose. Microlib 95 conference, Lisbon, Portugal, May 23-25 1995.