

VITA

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Education

1975 B.A., Cornell University, Urban Planning.
1987 M.S.E., Wang Institute of Graduate Studies, Software Engineering.
2010 Ph.D., Cornell University, Information Science

Professional Positions

2012- Associate Professor, School of Information, University of Michigan
2011-2012 Associate Professor, Cornell University Information Science
2011-2012 Director, Master of Professional Studies Program, Cornell University Information Science
2009-2011 Research Fellow, Graduate School of Library and Information Science, University of Illinois
2002-2010 Senior Research Associate, Cornell University Information Science
1998-2002 Research Associate, Digital Library Scientist, Cornell University, University Library and
Department of Computer Science
1996-1998 Project Leader, Digital Library Research Group, Cornell University, Department of
Computer Science
1994-1996 Senior Software Engineer, Cornell University, Department of Computer Science
1993-1994 Senior Software Engineer, Cornell University, Mann Library
1990-1993 Project Manager GammaTech Inc., Ithaca, NY
1987-1990 Research Engineer, Cornell University, Department of Computer Science
1981-1986 Director of Computing , Cornell University, Department of Chemistry
1977-1981 Programmer/Analyst, Cornell University, Veterinary Medical Computer Facility

Recent Professional Activities

Member, ICPSR Governing Council
Member, Semantics Working Group, DataOne
Member, Advisory Board, Web Archive Collective
Member, National Ethics Center Technical Advisory Committee
Member, NEON Data Services Working Group
Member, Technical Advisory Board, NIH VIVO Project
Meta-Reviewer, ACM/IEEE Joint Conference on Digital Libraries
Program Committee, International Conference on Theory and Practice of Digital Libraries

Selected Technical Accomplishments

- *Planning and Enactment Ontology* – Developed in collaboration with Mark Borkum (Southampton) and Jeremy Frey (Southampton). An ontology that provides the basis for describing the entities and relationships for a scientific experiment, and the implementation of a workflow to combine extracted

and in situ information from multiple sources, which provides a framework for computational enhancement of the data and querying thereof.

- *Open Archives Initiative Object Reuse and Exchange* – Co-invented with Pete Johnston, Michael Nelson, Rob Sanderson, and Herbert Van de Sompel. OAI-ORE is a data model and implementation specification for describing and serializing aggregations of network addressable resources, using web architecture concepts.
- *Open Archives Initiative Protocol for Metadata Harvesting* – Co-invented OAI-PMH with Herbert Van de Sompel. The OAI-PMH enables metadata harvesting from a wide variety of data providers, with the goal of facilitating the construction of value-added services. The protocol is widely accepted as a fundamental part of information infrastructure.
- *Fedora* – Co-invented the Flexible and Extensible Digital Object and Repository Architecture with Sandy Payette. Fedora allows the storage, access, and manipulation of digital complex, dynamic, and distributed digital content. With support from the Andrew W. Mellon Foundation and in collaboration with the Advanced Digital Library Research Unit at the University of the Virginia, Fedora is distributed as open source software. The software is used internationally in a variety of implementations and has been incorporated by commercial vendors.
- *ABC Metadata Ontology and Model* – Co-invented ABC with Jane Hunter. ABC is a metadata model that incorporates multiple-entity and temporal (event) semantics. The model is therefore suitable for expressing the dynamic and derivative aspects of digital objects. ABC is the basis of the history mechanism in the widely distributed DSpace software.
- *Dienst* – Co-invented Distributed Interactive Extensible Network Server for Technical Reports with James Davis. Developed and distributed in 1995, Dienst was the technical basis. Incorporating innovative notions such as simple metadata, open protocol access to services and metadata and availability of multiple disseminations of content, Dienst provided the foundation for later work including DSpace, eprints, OAI-PMH, FEDORA, and Dublin Core.

Selected Teaching Experience

- *Learning from Web Data (2010)* - This is an upper level undergraduate and masters level course in Cornell Computing and Information Science that teaches students machine learning based methods for working with data generated by web applications and services, including web server logs, syndication feeds, and site-specific APIs.
- *Intermediate Design and Programming for the Web (2012)* - This is a second-level course in Cornell Information Science for Information Science majors and other interested students. It covers advanced PHP, MySQL, JavaScript, Ajax, and general database concepts.
- *Introduction to Design and Programming for the Web (2006 - 2009)* – This is an introductory course in Cornell Information Science for Information Science majors and other interested students. It covers XHTML, CSS, PHP, and the principles in web site design.
- *Seminar on Web Searching and Mining (2005)* – This is a graduate seminar in Cornell Computer Science, with readings in topical subjects. The 2005 focus is the semantic web.
- *Web Information Systems (2002-2011)* – This is an upper level undergraduate, masters level, and PhD course in Cornell Information Science that examines the tools and techniques for building and managing distributed information systems within the context of the World Wide Web. Course content examines the technical, economic, legal, and social issues in establishing higher levels of organization and management on Web resources.

Awards

2006	DELOS Best Paper Award, European Conference On Research And Advanced Technology For Digital Libraries
2006	Vannevar Bush Best Paper Award, Joint Conference on Digital Libraries
2004	LITA Frederick G. Kilgour Award

Selected Grants

- 2012-2015 SoCS: Collaborative Research: A Human Computational Approach for Improving Data Quality in Citizen Science Projects, \$575K, National Science Foundation
- 2013-2014 EAGER: Collaborative Research: Scientific Collaboration Over Time, \$200K National Science Foundation
- 2012-2013 ResourceSync, \$120K Sloan Foundation
- 2010-2012 VOSS: Conditions for the Emergence of Virtual Organizations in the Long Tail Sciences, \$420K National Science Foundation
- 2009-2011 oreChemistry Project, \$200K, Microsoft External Research
- 2009-2010 Doctoral Dissertation Research: Comparative Analysis of Scientific Communication Cultures in Chemistry, \$11.6K National Science Foundation
- 2009-2014 DataNet Full Proposal: The Data Conservancy (A Digital Research and Curation Virtual Organization), \$19.9M National Science Foundation
- 2009-2011 NSDL Technical Network Services Supplement, \$1.2M National Science Foundation
- 2008-2010 NSDL Core Integration Final Transition, \$1.2M National Science Foundation
- 2008-2012 NSDL Technical Network Services: A Cyberinfrastructure Platform for STEM Education, \$4.7M National Science Foundation
- 2006 – 2009 Repository Interoperability Framework, \$524K Andrew W. Mellon Foundation
- 2004 – 2007 Pathways: Lifecycles for Information Integration in Distributed Scholarly Communication, \$1.1M National Science Foundation
- 2004 – 2007 The Open-Systems FEDORA Repository Development Project (Phase 2), \$1.2M Andrew W. Mellon Foundation
- 2003 – 2007 Collaborative Project: Core Integration – Leading the NSDL towards Long-term Success, \$8.8M National Science Foundation
- 2001 – 2004 The Open-Systems FEDORA Repository Development Project, \$1.1M Andrew W. Mellon Foundation
- 2000 Open Archives Initiative, \$100K Digital Library Federation and Coalition for Networked Information
- 1999 – 2003 Project Prism: Information Integrity in Distributed Digital Libraries, \$2.2M National Science Foundation.
- 1999 – 2002 Harmony: Metadata Interoperability in Digital Libraries, \$920K National Science Foundation
- 1999- 2002 OpCit: Integrating and Navigating Eprint Archives through Citation-Linking, \$810K National Science Foundation

Publications

Refereed Journals

- T. Velden and C. Lagoze, "The Extraction of Community Structures from Publication Networks to Support Ethnographic Observations of Field Differences in Scientific Communication," *Journal for the Association of Information Systems*, In revision, 2013.
- T. Velden, A. Haque, and C. Lagoze, "A new approach to analyzing patterns of collaboration in co-authorship networks: mesoscopic analysis and interpretation," *Scientometrics*, 2010.
- C. Lagoze, H. Van de Sompel, M.L. Nelson, S. Warner, R. Sanderson, and P. Johnston, "A Web-Based Resource Model for Scholarship 2.0: Object Reuse and Exchange," *Concurrency and Computation: Practice and Experience*, 2010.
- T. Velden and C. Lagoze, "Communicating Chemistry," *Nature Chemistry*, vol. 1, December 2009.
- S. Warner, J. Bekaert, C. Lagoze, X. Liu, S. Payette, H. Van de Sompel, Pathways: Augmenting interoperability across scholarly repositories, *International Journal of Digital Libraries*, 2007.

- C. Lagoze, S. Payette, E. Shin, C. Wilper, Fedora: An Architecture for Complex Objects and Their Relationships, *International Journal of Digital Libraries*, 6(2), 2006.
- C. Lagoze and H. Van de Sompel, The Making of the Open Archives Initiative Protocol for Metadata Harvesting, *Library Hi Tech*, 21 (2), 2003.
- W.Y. Arms, N. Dushay, D.W. Fulker and C. Lagoze, A Case Study in Metadata Harvesting: the NSDL, *Library Hi Tech*, 21 (2), 2003.
- M. Doerr, J. Hunter, and C. Lagoze, Towards a Core Ontology for Information Integration, *Journal of Digital Information*, 4 (1), 2003.
- C. Lagoze and J. Hunter, "The ABC Metadata Ontology and Model", *Journal of Digital Information*, 2(2), 2001.
- J. R. Davis and C. Lagoze, "NCSTRL: Design and Deployment of a Globally Distributed Digital Library," *Journal of the American Society for Information Science (JASIS)*, 1999.
- S. L. Weibel and C. Lagoze, "An Element Set to Support Resource Discovery: The State of the Dublin Core," *International Journal of Digital Libraries*, 1 (1), 1997.
- C. Lagoze and J. R. Davis, "Dienst - An Architecture for Distributed Document Libraries," *Communications of the ACM*, 38 (4), 1995.

Refereed Conferences

- E. Murname, B. Haslhofer, and C. Lagoze, "RESLVE: Leveraging User Interest to Improve Entity Disambiguation on Short Text," in *22nd International World Wide Web Conference (Poster track)*, 2013.
- S. Guha, S. Steinhardt, and S. I. Ahmed, "Following bibliometric footprints: The ACM Digital Library and the Evolution of Computer Science," in *Joint Conference on Digital Libraries*, 2013.
- E. Murname, B. Haslhofer, and C. Lagoze, "RESLVE: Leveraging User Interest to Improve Entity Disambiguation on Short Text," in *2nd International Workshop On Web Of Linked Entities (at WWW2013)*, 2013.
- T. Velden, S. Cambo, S. Ahmed, and C. Lagoze, "Toward a Time-sensitive Mesoscopic Analysis of Co-Author Networks: A Case Study of Two Research Specialties," in *ISSI2013*, 2013.
- B. Haslhofer, W. Robitza, C. Lagoze, and F. Guimbretier, "Semantic Tagging on Historical Maps," in *Web Science 2013*, 2013.
- B. Haslhofer, K. Newman, A. Stefanik, W. Robitza, and C. Lagoze, "Old Maps and Open Data Networks," in *IConference 2013*, 2013.
- S. Ahmed, S. Cambo, C. Lagoze, and T. Velden, "Toward a mesoscopic analysis of the temporal evolution of scientific collaboration networks," in *IConference 2013*, 2013.
- C. Lagoze, W. Block, J. Williams, J. M. Abowd, and L. Vilhuber, "Data Management of Confidential Data," in *International Data Curation Conference*, 2013.
- C. Lagoze, S. Kelling, W.-K. Wong, and T. Damoulas, "The Utility of a Human/Computer Learning Network for Improving Biodiversity Conservation and Research," in *Microsoft eScience Conference*, 2012.
- A. Wiggins, J. Gerbracht, C. Lagoze, Y. Yuan, W.-K. Wong, and S. Kelling, "Crowdsourcing citizen science data quality with a human-computer learning network," in *Human Computation for Science and Computational Sustainability workshop at NIPS*, 2012.
- S. Kelling et al., "eBird: A Human/Computer Learning Network for Biodiversity Conservation and Research," in *Twenty-Fourth IAAI Conference on Artificial Intelligence*
- S. Spagnola, "Word Order Matters: Measuring Topic Coherence with Lexical Argument Structure," *Joint Conference on Digital Libraries*, Ottawa, Ontario: ACM/IEEE, 2011.
- T. Velden, A. al Haque, and C. Lagoze, "Resolving Author Name Homonymy to Improve Resolution of Structures in Co-author Networks," *Joint Conference on Digital Libraries*, Ottawa, Ontario: ACM/IEEE, 2011.

- C. Lagoze and K. Patzke, "A Research Agenda for Data Curation Cyberinfrastructure," Joint Conference on Digital Libraries, Ottawa, Ontario: ACM/IEEE, 2011.
- Y. Jo, J. Hopcroft, C. Lagoze, "The Web of Topics: Discovering the Topology of Topic Evolution in a Corpus," WWW2011, Hyderabad, India, March, April, 2011.
- S. Spagnola, C. Lagoze, "Edge dependent pathway scoring for calculating semantic similarity in ConceptNet," 9th International Conference on Computational Semantics, January, 2011.
- C. Lagoze, "Chemistry Scholarship in the Fourth Paradigm," ACS 2010 Spring National Meeting, San Francisco: 2010.
- C. Lagoze, "oreChem Project: Integrating Chemistry Scholarship into the Linked Data," Microsoft External Research Symposium, Redmond: 2010.
- T. Velden and C. Lagoze, "Scientific communication cultures in Chemistry," in 2009 meeting of the Society for Social Studies of Science Washington DC, 2009.
- T. Velden and C. Lagoze, "Patterns of Collaboration in Co-authorship Networks in Chemistry - Mesoscopic Analysis and Interpretation," in 12th International Conference on Scientometrics and Informetrics Rio de Janeiro, 2009.
- H. Van de Sompel, C. Lagoze, C. E. Nelson, S. Warner, R. Sanderson, and P. Johnston, "Adding eScience Publications to the Data Web," in Linked Data on the Web 2009 Madrid, 2009.
- C. Lagoze, "The oreChem Project: Integrating Chemistry Scholarship with the Semantic Web," in WebSci'09: Society On-Line Athens, 2009.
- T. Velden and C. Lagoze, "The transformation of scientific communication systems in the digital age: towards a methodology for comparing scientific communication cultures," in Oxford e-Research 08 Oxford, UK, 2008.
- C. Lagoze, H. Van de Sompel, M. Nelson, S. Warner, R. Sanderson, and P. Johnston, "A Web-Based Resource Model for eScience: Object Reuse & Exchange " in 2008 Microsoft eScience Workshop Indianapolis, 2008.
- H. Van de Sompel and C. Lagoze, "Interoperability for the Discovery, Use, and Re-Use of Units of Scholarly Communication," CTWatch Quarterly, vol. 3, 2007.
- Y. Jo, C. Lagoze, and C. Lee Giles, Detecting research topics via the correlation between graphs and texts, KDD 2007, (San Jose 2007)
- P. Dmitriev and C. Lagoze, Mining Generalized Graph Patterns based on User Examples, in ACM SIGMOD/PODS 2007, (Beijing, China, 2007).
- C. Lagoze, D. Krafft, T. Cornwell, D. Eckstrom, S. Jesuroga, C. Wilper, Representing Contextualized Information in the NSDL. in 10th European Conference on Research and Advanced Technology for Digital Libraries, (Alicante, Spain, 2006).
- J. Bekaert, X. Liu, H. Van de Sompel, C. Lagoze, S. Payette, and S. Warner, Pathways Core: A Content Model for Cross-Repository Services. in Joint Conference on Digital Libraries, (Chapel Hill, NC, 2006), ACM/IEEE.
- C. Lagoze, D. Krafft, T. Cornwell, N. Dushay, D. Eckstrom and J. Saylor, Metadata aggregation and "automated digital libraries": A retrospective on the NSDL experience. in Joint Conference on Digital Libraries, (Chapel Hill, NC, 2006), ACM.
- P. Dmitriev and C. Lagoze, Automatically Constructing Descriptive Site Maps. in Eighth Asia Pacific Web Conference, (Harbin, China, 2006).
- S. Aya, C. Lagoze, T. Joachims, Citation Classification and Its Applications, presented at the second International Conference on Knowledge Management (ICKM2005), Charlotte, October 2005.
- P. Dmitriev, C. Lagoze, B. Suchkov, As We May Perceive: Inferring Logical Documents from Hypertext, presented at HT 2005 - Sixteenth ACM Conference on Hypertext and Hypermedia, Salzburg, September 2005.
- C. Lagoze, D. Krafft, S. Jesuroga, T. Cornwell, E. Cramer, E. Shin, An Information Network Overlay Architecture for the NSDL (poster), presented at JCDL 2005, Denver, CO, June 2005.

- P. Dmitriev, C. Lagoze, B. Sushkov, Finding the Boundaries of Information Resources on the Web (poster), presented at WWW2005, Chiba, Japan, May 2005.
- V. Weissman and C. Lagoze, Towards a Policy Language for Humans and Computers, presented at 7th European Conference on Research and Advanced Technology for Digital Libraries, Bath, UK, 2004.
- C. Lagoze, Bridging the Past and Future: Scholarly Communication in the 21st Century, presented at International Symposium on Digital Libraries and Knowledge Communities in Networked Information Society DLKC'04, Tsukuba, Japan, 2004
- A. Faaborg and C. Lagoze, Semantic Browsing, presented at 7th European Conference on Research and Advanced Technology for Digital Libraries, Trondheim, Norway, 2003
- H. Van de Sompel and C. Lagoze, Notes from the Interoperability Front: A Progress Report on the Open Archives Initiative, presented at 6th European Conference on Research and Advanced Technology for Digital Libraries, Rome, Italy, 2002.
- D. Bergmark, C. Lagoze, and A. Sbityakov, Focused Crawls, Tunneling, and Digital Libraries, presented at 6th European Conference on Research and Advanced Technology for Digital Libraries, Rome, 2002.
- C. Lagoze, W. Arms, et. al, "Core Services in the Architecture of the National Digital Library for Science Education (NSDL), Joint Conference on Digital Libraries 2002, July 2002, Portland, OR.
- C. Lagoze and J. Hunter, The ABC Ontology and Model, International Conference on Metadata, October 2001, Tokyo.
- D. Bergmark and C. Lagoze, An Architecture for Automatic Reference Linking. . In Fifth European Conference on Research and Advanced Technology for Digital Libraries, September 2001, Darmstadt.
- J. Cheney, C. Lagoze, and P. Botticelli, Toward a Theory of Information Preservation. In Fifth European Conference on Research and Advanced Technology for Digital Libraries, September 2001, Darmstadt.
- C. Lagoze and H. Van de Sompel. The Open Archives Initiative: Building A low-barrier interoperability framework. Joint Conference on Digital Libraries 2001, September 2001, Roanoke.
- J. Hunter and C. Lagoze. Combining RDF and XML Schemas to Enhance Interoperability Among Metadata Application Profiles. In 10th International World Wide Web Conference, May 2001, Hong Kong.
- C. Lagoze., J. Hunter, and D. Brickley. An Event-Aware Model for Metadata Interoperability. in ECDL 2000. September, 2000. Lisbon.
- S. Payette. and C. Lagoze. Policy-Enforcing, Policy-Carrying Digital Objects. in Fourth European Conference on Research and Advanced Technology for Digital Libraries. September, 2000. Lisbon.
- N. Dushay , J. C. French, and C. Lagoze, "Using Query Mediators for Distributed Searching in Federated Digital Libraries," Digital Libraries '99: The Fourth ACM Conference on Digital Libraries, Berkeley, 1999.
- J. Y. Halpern and C. Lagoze, "The Computing Research Repository: Promoting the Rapid Dissemination and Archiving of Computer Science Research," Digital Libraries '99: The Fourth ACM Conference on Digital Libraries, Berkeley, 1999.
- S. Payette and C. Lagoze, "Flexible and Extensible Digital Object and Repository Architecture (FEDORA)," presented at Second European Conference on Research and Advanced Technology for Digital Libraries, Heraklion, Crete, 1998.
- C. Lagoze, D. Fielding, and S. Payette, "Making Global Digital Libraries Work: Collection Service, Connectivity Regions, and Collection Views," presented at ACM Digital Libraries '98, Pittsburgh, 1998.
- R. Daniel Jr., C. Lagoze, and S. D. Payette, "A Metadata Architecture for Digital Libraries," presented at Advances in Digital Libraries, Santa Barbara, 1998.
- R. Daniel Jr. and C. Lagoze, "Distributed Active Relationships in the Warwick Framework," presented at IEEE Metadata Conference, Bethesda, 1997.
- J. Davis and C. Lagoze, ""Drop-in" publishing with the World Wide Web," presented at Second International World Wide Web Conference, Chicago, 1994.

Book Chapters

- H. Van de Sompel and C. Lagoze, "All aboard: toward a machine-friendly scholarly communication system," in *The Fourth Paradigm: Data-Intensive Scientific Discovery*, T. Hey, S. Tansley, and K. Tolle, Eds. Redmond, WA: Microsoft Research, 2009.
- S. Payette and C. Lagoze, "Metadata: Principles, Practices, and Challenges", in *Moving Theory into Practice: Digital Imaging for Libraries and Archives*, Association of Research Libraries.
- J. R. Davis, D. B. Krafft, and C. Lagoze, "Dienst: Building a Production Technical Report Server," in *Advances in Digital Libraries: Springer-Verlag*.

Invited Papers

- C. Lagoze. Business Unusual; How "event awareness" may breathe life into the catalog. in *Bicentennial Conference on Bibliographic Control in the New Millennium*. 2000. Library of Congress, Washington DC.
- C. Lagoze, Accommodating Simplicity and Complexity in Metadata: Lessons from the Dublin Core Experience. in *Seminar on Metadata*. 2000. Archiefschool, Netherlands Institute for Archival Education and Research, The Hague.
- C. Lagoze, "The Cornell Digital Library Research Group: Architectures and Policies for Distributed Digital Libraries", DLW17, Tsukuba, Japan, February 2000.

Edited Journals

- H. Van de Sompel, R. Sanderson, M. Klein, S. Warner, B. Haslhofer, C. Lagoze, and M. L. Nelson, "A Technical Framework for Resource Synchronization," *D-Lib Magazine*, vol. 19, no. 1/2, 2013.
- H. Van de Sompel, R. Sanderson, M. Klein, M. L. Nelson, B. Haslhofer, S. Warner, and C. Lagoze, "A Perspective on Resource Synchronization," *D-Lib Magazine*, vol. 18, no. 9/10, 2012.
- H. Van de Sompel, H. and C.Lagoze. Interoperability for the Discovery, Use, and Re-Use of Units of Scholarly Communication. *CTWatch Quarterly*, 3 (3).
- H. Van de Sompel, C. Lagoze, J. Bekaert, X. Liu, S. Payette, S. Warner, An Interoperable Fabric for Scholarly Value Chains, *D-Llib Magazine*, 12(10).
- H. Van de Sompel, J. Bekaert, C. Lagoze, X. Liu, S. Payette, S. Warner, Rethinking Scholarly Communication: Insights from the Pathways Project, *D-Lib Magazine*, 12(10).
- C. Lagoze. What are digital libraries for anymore, anyway: beyond search and access in the NSDL. *D-Lib Magazine*, 11 (12).
- H. Van de Sompel, M. Nelson, C. Lagoze, and S. Warner, Resource Harvesting within the OAI-PMH Framework, *D-Lib Magazine*, 10(12), 2004.
- H. Van de Sompel, S. Payette, J. Erickson, C. Lagoze, and S. Warner, Rethinking Scholarly Communication: Building the System that Scholars Deserve, *D-Lib Magazine*, 10(9), 2004.
- S. Hitchcock, D. Bergmark, T. Brody, C. Gutteridge, L. Carr, W. Hall, C. Lagoze, S. Harnad, *Open Citation Linking: The Way Forward*, *D-Lib Magazine*, 8 (10), 2002.
- A. Kenney, N. McGovern, P. Boticelli, R. Entlich, C. Lagoze, and S. Payette, "Preservation Risk Management for Web Resources," *D-Lib Magazine*, 8 (1), 2002.
- C. Lagoze. Keeping Dublin Core Simple: Cross-Domain Discovery or Resource Description. *D-Lib Magazine*, January 2001.
- S. Payette and C. Lagoze, Value-Added Surrogates for Distributed Content: Establishing a Virtual Control Zone. *D-Lib Magazine*, 2000. June.
- H. Van de Sompel and C. Lagoze, "The Santa Fe Initiative of the Open Archives Initiative", *D-Lib Magazine*, February 2000.
- S. Payette, C. Blanchi, C. Lagoze, and E. Overly, "The Cornell/CNRI Digital Object and Repository Architecture: Experiments in Interoperability," *D-Lib Magazine*, May, 1999

- C. Lagoze and D. Fielding, "Defining Collections in Distributed Digital Libraries," D-Lib Magazine, November 1998.
- R. Daniel Jr. and C. Lagoze, "Extending the Warwick Framework: From Metadata Containers to Active Digital Objects," D-Lib Magazine, November 1997.
- C. Lagoze, "From Static to Dynamic Surrogates: Resource Discovery in the Digital Age," in D-Lib Magazine, 1997.
- C. Lagoze, "The Warwick Framework: A Container Architecture for Diverse Sets of Metadata," D-Lib Magazine, July/August 1996.
- C. Lagoze, "A Secure Repository Design for Digital Libraries," D-Lib Magazine, December 1995.

Reports

- T. Velden and C. Lagoze, "White Paper: The Value of New Scientific Communication Models for Chemistry," Cornell University, Ithaca, NY, November 23 2009, <http://hdl.handle.net/1813/14150>
- C. Lagoze, H. Van de Sompel, M. Nelson, S. Warner, R. Sanderson, and P. Johnston, "Object Re-Use & Exchange: A Resource-Centric Approach," 2008, arXiv:0804.2273
- N. Dushay and C. Lagoze, Modeling Decisions for Digital Content, June, 2000, Cornell University Computer Science.
- C. Lagoze, ed., "Resource Indexing and Discovery in a Globally Distributed Digital Library", NSF-EU Digital Library Research Collaboration, Spring, 1999.
- N. Dushay, J. C. French, and C. Lagoze, "Predicting Indexer Performance in a Distributed Digital Library," Cornell University Computer Science, Technical Report TR99-1743, May 1999.
- N. Dushay, J. C. French, and C. Lagoze, "A Characterization Study of NCSTRL Distributed Searching," Cornell University Computer Science, Technical Report TR99-1725, January 1999.
- S. Weibel, J. Kunze, C. Lagoze, and M. Wolf, "Dublin Core Metadata for Resource Discovery," Internet Engineering Task Force, Request for Comments 2413, September 1998.
- C. Lagoze and S. Payette, "An Infrastructure for Open Architecture Digital Libraries," Cornell University Computer Science, Technical Report TR98-1690, June 1998.
- L. Gravano, K. Chang, H. Garcia-Molina, C. Lagoze, and A. Paepcke, "STARTS: Stanford Protocol Proposal for Internet Retrieval and Search," Stanford University, Digital Library Project Working Paper January 1997.
- J. R. Davis and C. Lagoze, "The Networked Computer Science Technical Report Library," Cornell University Computer Science, Technical Report TR96-1595, July 1996.
- C. Lagoze, C. A. Lynch, and R. D. Jr., "The Warwick Framework: A Container Architecture for Aggregating Sets of Metadata," Cornell University Computer Science, Technical Report TR96-1593, June 1996.
- C. Lagoze, R. McGrath, E. Overly, and N. Yeager, "A Design for Inter-Operable Secure Object Stores (ISOS)," Cornell University, Computer Science Technical Report TR95-1558, November 1995.
- C. Lagoze and D. Ely, "Implementation Issues in an Open Architectural Framework for Digital Object Services," Cornell University, Computer Science Technical Report TR95-1540, September 1995.
- C. Lagoze, E. Shaw, J. R. Davis, and D. B. Krafft, "Dienst Implementation Reference Manual," Cornell University Computer Science, Technical Report TR95-1514, May 1995.
- J. R. Davis and C. lagoze, "A protocol and server for a distributed digital technical report library," Cornell University Computer Science, Technical Report TR94-1418, June 1994.

Technical Specifications

- C. Lagoze, H. Van de Sompel, P. Johnston, M. Nelson, R. Sanderson, and S. Warner, "Resource Map Implementation in Atom," Open Archives Initiative 2008.
- C. Lagoze, H. Van de Sompel, P. Johnston, M. Nelson, R. Sanderson, and S. Warner, "Resource Map Implementation in RDF/XML," Open Archives Initiative 2008.

- C. Lagoze, H. Van de Sompel, P. Johnston, M. Nelson, R. Sanderson, and S. Warner, "Resource Map Implementation in RDFa," Open Archives Initiative 2008.
- C. Lagoze, H. Van de Sompel, P. Johnston, M. Nelson, R. Sanderson, and S. Warner, "Resource Map Discovery," Open Archives Initiative 2008.
- C. Lagoze, H. Van de Sompel, P. Johnston, M. Nelson, R. Sanderson, and S. Warner, "Abstract Data Model," Open Archives Initiative 2008.
- C. Lagoze, H. Van de Sompel, P. Johnston, M. Nelson, R. Sanderson, and S. Warner, "Vocabulary," Open Archives Initiative 2008.
- C. Lagoze, H. Van de Sompel, P. Johnston, M. Nelson, R. Sanderson, and S. Warner, "Representing Resource Maps Using the Atom Syndication Format," Open Archives Initiative 2008.
- C. Lagoze, H. Van de Sompel, M. Nelson, and S. Warner, The Open Archives Initiative Protocol for Metadata Harvesting - Version 2.0, 2002.
- C. Lagoze, H. Van de Sompel, M. Nelson, and S. Warner, Implementation Guidelines for the Open Archives Initiative for Metadata Harvesting, 2002
- J. Davis, D. Fielding, C. Lagoze, R. Marisa, Dienst Protocol Specification, 2000.

PhD Dissertation

- Lagoze, C. Lost Identity: The Assimilation of Digital Libraries into the Web. PhD thesis, Information Science, Cornell University. 2010.

Selected Invited Talks

- Bridging the Divides: Resolving Cyberinfrastructure and Disciplinarity”, 2011, University of Illinois Urbana-Champaign,
- Socio-Cultural Foundations of Cyberinfrastructure - Thinking beyond the Technical”, 2011, Pacific Northwest National Lab
- “Research on Scholarly Practices and Communication at Cornell Information Science”, Microsoft Research, 2011, Redmond
- “Enabling Fourth Paradigm Scholarship”, Red Island Repository Institute, 2010, Charlottetown PEI
- “oreChem: Linking Chemistry Scholarship into the Semantic Web and Web 2.0”, Microsoft eScience, 2009, Pittsburgh
- “A Web-Based Resource Model for eScience: Object Reuse & Exchange”, Microsoft eScience, 2008, Indianapolis
- “Rapid Dissemination of Scholarly Results: The NCSTRL Experience”, Metadata: Interoperability and Heterogeneity, Baden Baden, 2008
- “National Science Digital Library: Building a Knowledge Base for Science, Math, and Engineering Education”, Building the Info Grid, 2005 Copenhagen, Denmark.
- “Information Network Overlay Architecture: Adding Value to Digital Content”, University of Pittsburgh Information Science Colloquium, 2005, Pittsburgh.
- “Rethinking Scholarly Communication: Building the System that Scholars Deserve”. Symposium on Open Access to Knowledge and Scholarly Communication, 2004, Zurich, Switzerland
- “Moving Beyond Access: Digital Libraries to Support Education and Scholarship”, 2004, Columbia University Library, New York
- “21st Century Scholarly Communication. Open Access, Open Dialog”, BAD – 8th National Conference of Librarians, Archivists and Documentalists, 2004, Estoril Portugal
- “Back to the Past: Rediscovering Digital Libraries as Interactive Spaces”, DLKC04, 2004 Tsukuba, Japan.
- “Technology, Scalability, Metadata (or not)”, NSDL Annual Meeting, 2003, Washington D.C.
- “Open Archives Initiative: Where we are, Where we are going”, 4th Open Archives Forum Workshop, 2003, Bristol, U.K.

- “Towards the Post-DL Age”, NSF Post-DC Futures Workshop, 2003, Chatham, MA.
- “National Science Digital Library”, Common Solutions Group, 2003, Austin.
- “OAI and a Large-Scale Digital Library”, CERN OAI Workshop, 2002, Geneva.
- “The Open Archives Initiative: a low-barrier framework for interoperability”, CODATA 2002, Montreal.
- “The Open Archives Initiative and Scholarly Publishing”, Society of Scholarly Publishing 2002, Boston.
- “The Open Archives Initiative: building a framework for digital library interoperability”, IFLA 2001, Boston.
- “Breaking down the walls”, University of Washington Information School, June 2001
- “Metadata Musings”, University of Virginia, April 2001.
- “Business Unusual: How event-awareness can breathe life into the catalog”, Bicentennial Conference on Bibliographic Control in the New Millennium. November, 2000. Library of Congress, Washington DC.
- “The Networked Computer Science Technical Reference Library”, Conference of the American Society of Information Science and Technology, Chicago, November, 2000.
- “Organizing Anarchy”, Electronic Commerce in the Information Industries, University of Illinois, March 2000.
- “Architecture and Policies for Distributed Digital Libraries”, Tsukuba, Japan, February 2000.
- “The Open Archives Initiative”, CNI Mid-Year, Phoenix AR, December 1999.
- “Experience with the Dublin Core Metadata Set: Are Simplicity and Complexity Good Bedfellows?”, USDA Metadata Workshop, Washington DC, November 1999.
- “Metrics for Federated Digital Libraries”, ASIS mid-year, Pasadena, California, May 1999.
- “A Canadian Metadata Roadshow”, Fredericton N.B., Toronto Ontario, and Edmonton Alberta, May 1999.
- “Metadata for Digital Libraries”, CIMI Workshop, Ottawa Canada, May 1999.
- “Digital Libraries for Scholarly Research: NCSTRL and Dienst”, University of Southampton Guest Lecture, Southampton U.K, February 1999.
- “Rapid Dissemination of Research Results: The NCSTRL Experience”, presented at Metadata: Interoperability and Heterogeneity, IuK Commission of the Learned Societies in Germany, Bonn, Germany, December 1998.
- “Metadata Challenges for Libraries”, presented at Metadiversity 1998, Natural Bridge, Virginia, November 1998.
- “Metadata for Networked Objects”, presented at Second European Conference on Research and Advanced Technology for Digital Libraries, Heraklion, Crete, September 1998.
- “Dienst: Distributed Networked Publishing”, presented at Common Solutions Group Meeting, State College, Pennsylvania, June 1998.
- “Managing Chaos through Containment”, presented at ACLS/LITA Metadata Institute, Washington, DC, May 1998.
- “Using Web Metadata”, presented at “Sixth International World Wide Web Conference, Brisbane, Australia, April 1998.
- “An Open Architecture for Federated Digital Libraries”, presented at Digital Libraries Asia, Singapore, March 1998.
- “Naming Networked Objects”, presented at Educom '97, Minneapolis, Minnesota, October 1997
- “Metadata in Context: Warwick Framework and Digital Object Architecture”, presented at First European Conference on Research and Advanced Technology for Digital Libraries, Pisa, Italy, June 1997.
- “Metadata for Networked Objects”, presented at CENDI Workshop, Philadelphia, PA, April 1997

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