

**BARRY SMITH**  
**Curriculum Vitae • November 21, 2019**

Born 4 June 1952 in Bury, England. US citizen

## **EDUCATION**

Oxford University: Degree of BA in Mathematics and Philosophy (First Class Honours), 1973. Converted to MA (Oxon.), 1977.

University of Manchester: Ph.D. in Philosophy, 1976. Dissertation: *The Ontology of Reference. Studies in Logic and Phenomenology*, xvi + 477pp., a study of theories of meaning and reference in Frege and Husserl. Supervisor: Wolfe Mays.

**Abstract:** We propose a dichotomy between object-entities and meaning-entities. The former are entities such as molecules, cells, organisms, organizations, numbers, shapes, and so forth. The latter are entities such as concepts, propositions, representations and theories. Frege distinguished analogously between a 'realm of reference' and a 'realm of sense', which he presented in some passages as mutually exclusive. We apply the meaning/object dichotomy to mathematical and fictional entities, and develop a view of mathematical and other abstract objects as the results of certain types of demarcation – as for example the North Sea is the result of demarcations built into naval charts. Such demarcations reflect demarcatory acts, which presuppose complex cognitive and social structures enabling the creation of maps, of theories (of mathematics, of natural science), and of novels.

[h-index](#): 91

[citations](#): 33588

[h-Index for Computer Science](#)

Erdős Number: [4](#)

## **ACADEMIC POSTS**

1976–1979	Research Fellow, Department of Philosophy, University of Sheffield, England
1979–1989	University Lecture, Department of Philosophy, University of Manchester, England, with tenure as of 1982
1989–1994	Professor of Philosophy, International Academy for Philosophy, Liechtenstein
1994–2004	Professor of Philosophy and Member of the Center for Cognitive Science, University at Buffalo
1996–	Research Scientist, <a href="#">National Center for Geographic Information and Analysis</a> (NCGIA), University at Buffalo
2000–	Julian Park Chair, <a href="#">Department of Philosophy</a> , University at Buffalo
2002–2004	Director, Institute for Formal Ontology and Medical Information Science ( <a href="#">IFOMIS</a> ), Faculty of Medicine, University of Leipzig
2004–2006	Director, Institute for Formal Ontology and Medical Information Science ( <a href="#">IFOMIS</a> ), Saarland University, Saarbrücken, Germany.
2004–	SUNY Distinguished Professor, University at Buffalo
2005–	Director, <a href="#">National Center for Ontological Research</a> (NCOR), Buffalo, NY
2006–	Research Scientist, <a href="#">Center of Excellence in Bioinformatics and Life Sciences</a> , Buffalo, NY
2008–	Affiliate Professor, <a href="#">Department of Neurology</a> , University at Buffalo
2009–	Affiliate Professor, <a href="#">Department of Computer Science and Engineering</a> , University at Buffalo

2013– Affiliate Professor, [Department of Biomedical Informatics](#), University at Buffalo  
 2016– Researcher, [Center for Multi-Source Information Fusion](#) (CMIF), University at Buffalo  
 2017– Faculty Affiliate, [Sustainable Manufacturing and Advanced Robotic Technologies](#) (SMART) Community, University at Buffalo

## VISITING POSTS SINCE 2000

2000 Visiting Professor, University of Koblenz, Germany  
 2007– Research Director, Institute for Formal Ontology and Medical Information Science ([IFOMIS](#)), Saarland University, Saarbrücken, Germany  
 Aug 2008 Visiting Professor, University of Texas Southwestern Medical Center, Dallas  
 Apr 2019 Visiting Professor, University of Italian Switzerland, Lugano

## HONORS AND AWARDS SINCE 2000

Nov 2001 [Wolfgang Paul Award](#), Alexander von Humboldt Foundation  
 Oct 2002 SUNY Chancellor's Award for Excellence in Scholarship  
 May 2002 [Stanisław Kamiński Memorial Lecture, Catholic University of Lublin, Poland](#)  
 Jun 2005 Carl Linnaeus Lecturer, Mälardalen University, Sweden  
 Dec 2005– [Honorary Professor, Saarland University](#), Saarbrücken, Germany  
 Apr 2010 [Paolo Bozzi Ontology Prize](#), University of Turin, Italy  
 May 2012– Member, SUNY Distinguished Academy  
 Nov 2014– Fellow, American College of Medical Informatics ([FACMI](#))  
 Apr 2016– [Honorary Professor, International Center for Formal Ontology, Warsaw University of Technology](#)  
 July 2016 Winner, IAOA Ontology Competition, [9th International Conference on Formal Ontology in Information Systems](#), Annecy, France  
 Aug 2016 [50 Most Influential Living Philosophers](#)  
 Jan 2017– [Member, Faculty of 1000](#)  
 May 2017 [Stanisław Kamiński Memorial Lecture, Catholic University of Lublin, Poland](#)

## GRANTS

Jul 1983 Research grant from the Austrian Bundesministerium für Wissenschaft und Forschung, for research in the University of Graz  
 Aug 1986 Research grant from the Austrian Bundesministerium für Wissenschaft und Forschung, for research in the Forschungsstelle und Dokumentationszentrum für Österreichische Philosophie, Graz  
 Aug 1991 Research grant 11-37632.93 from the Swiss National Foundation for a project on the Philosophical Foundations of Artificial Intelligence  
 Aug 1992 Research grant P-08661-HIS from the Austrian Foundation for the Promotion of Scientific Research (FWF) for a project on Apriorism and the History of Austrian Philosophy  
 Oct 1992 Grant from the Lynde and Harry Bradley Foundation for the Second Monist Colloquium on the topic of European Philosophy and the American Academy, held at the Wingspread Conference Center of the Johnson Foundation (Racine, Wisconsin) in February 1993  
 Feb 1994 Research grant from the Alexander von Humboldt Stiftung for a research visit to

		Hamburg, Germany
Aug	1994	Research grant from the Alexander von Humboldt Stiftung for a research visit to Konstanz, Germany
May	1995	International Research and Exchanges Board (IREX, Washington DC), travel grant for a lecture tour in Poland
Apr	1997	Grant from the John C. Brentano Foundation, for work on Brentano's philosophy of history
Mar	1998	National Science Foundation IGERT Program Grant <a href="#">DGE-9870668</a> . Co-PI (with David Mark and others)
Mar	1999	Sabbatical Fellowship, American Philosophical Society
May	1999	National Science Foundation Research Grant BCS-9975557: <a href="#">Geographic Categories: An Ontological Investigation</a> . Co-PI (with David Mark)
May	2000	German Academic Exchange Service (DAAD), Short-Term Research Grant
Apr	2002	<a href="#">Wolfgang Paul Prize</a> , Alexander von Humboldt Foundation. PI
Mar	2003	National Science Foundation Award Number 0242145, to support the conference <a href="#">The Mystery of Capital and the Construction of Social Reality</a> . Co-PI with David Mark and Isaac Ehrlich
Aug	2003	European Union 6th Framework Programme for Research, Technological Development and Demonstration Grant NoE 507505: <a href="#">Network of Excellence in Semantic Data Mining and Medical Informatics</a> . PI of IFOMIS subcontract
Sep	2003	National Science Foundation IGERT Program Grant <a href="#">DGE-0333417</a> . Co-PI
Apr	2004	Volkswagen Foundation: <a href="#">Forms of Life: Philosophical Dimensions of Contemporary Biomedical Research</a> , PI
Sep	2005	European Union 6th Framework Programme for Research, Technological Development and Demonstration, <a href="#">RIDE – A Roadmap for Interoperability of eHealth Systems</a> . PI of IFOMIS subcontract
Sep	2005	European Union 6th Framework Programme for Research, Technological Development and Demonstration: <a href="#">ACGT: Advancing Clinico-Genomic Trials on Cancer</a> . PI for IFOMIS subcontract
Sep	2005	NIH Roadmap Grant U 54 HG004028: <a href="#">National Center for Biomedical Ontology</a> ; PI of Buffalo subcontract
Mar	2007	NIH / NIGMS R01 GM080646-01: <a href="#">PRO: A Protein Ontology in Open Biomedical Ontologies</a> . PI of Buffalo subcontract, 7.5%
Apr	2007	Burroughs Wellcome Fund 1007105: <a href="#">Workshop on Infectious Disease Ontology</a> . Co-Director with Lindsay Powell, 50%
May	2007	National Institute of Standards and Technology: IPA for Fabian Neuhaus, May 2007 to April 2008
Aug	2007	NIH / NIAID / Lockheed CA-0774 Bioinformatics and Scientific IT Program (BSIP): Review of Ontology, Terminology and Vocabulary Resources in the Infectious Disease Domain. Co-PI with Lindsay Cowell, 50%
Aug	2007	Oishei Foundation: <a href="#">Task Force for Ontology-Based IT Support for Large-Scale Field Studies in Psychiatry</a> . Co-PI
May	2008	National Institute of Standards and Technology: IAP for Fabian Neuhaus, May 2008-February 2009
Sep	2008	<a href="#">NIH / NIAID R01 AI 77706 Immune System Biological Networks: A Case Study in Improved Data Integration and Analysis</a> . PI of Buffalo Sub-Contract

Nov	2008	UCore SLX Biometrics Ontology, U.S. Department Of Defense, November 2008 – October 2009. PI
Dec	2008	Command and Control (C2) Core Ontology, U.S. Department of Defense (PI), December 2008 – October, 2009. Key scientist
Feb	2009	NIH / NHGRI 1R13HG005049-01 <a href="#">International Conference on Biomedical Ontology (ICBO)</a> . PI
Feb	2009	NSF Award 0822201 <a href="#">The Plant Ontology: Plant Genome Research Resource</a> . Consultant
Jan	2010	<a href="#">ARGOS Transatlantic Observatory for Meeting Global Health Policy Challenges through ICT-Enabled Solutions</a> , European Union Directorate General for External Relations, January 1-June 30, 2010. PI of Buffalo subcontract
Aug	2010	NIH Roadmap Grant 2 U54 HG004028: <a href="#">National Center for Biomedical Ontology</a> . (\$17,400,000) PI of Buffalo sub-contract
May	2011	NIH / NHGRI R13HG006231-01 <a href="#">International Conference on Biomedical Ontology (ICBO)</a> , National Human Genome Research Institute. PI
Jul	2011	NIH / NIGMS R01 GM080646-06 <a href="#">PRO: A Protein Ontology in Open Biomedical Ontologies</a> , National Institute for General Medical Sciences (4-year renewal). Co-PI
Nov	2011	Gesellschaft für Telematikanwendung der Gesundheitskarte (Gematik), <a href="#">EPSOS: European Patients: Smart Open Services</a> . Consultant
Jan	2013	NIH / NIAID HHS N272201200028 <a href="#">Bioinformatics Integration Support Contract</a> (BISC), National Institute of Allergy and Infectious Diseases. PI of Buffalo Sub-Contact
Jul	2013	NIH / NIDCR 1 T32 DE023526-01 <a href="#">Advanced Training in Oral Biology</a> , National Institute for Dental and Craniofacial Research. Mentor.
Dec	2014	NSF Award 1340112 <a href="#">The Planteome Project: Common Reference Ontologies for Plant Science</a> (CROPS). Consultant
July	2015	NIH/NIGMS R01GM080646-09 <a href="#">PRO: A Protein Ontology in Open Biomedical Ontologies</a> . 4-year renewal. PI of Buffalo sub-contract.
Aug	2015	<a href="#">NIH / NCATS Buffalo Clinical and Translational Research Center</a> (CTSA Award). Key personnel.
Sep	2015	<a href="#">NIH 1U24CA199374-01 Pathology Image Informatics Platform for Visualization, Analysis and Management</a> . Co-Investigator
Feb	2016	Digital Thread – Digital Twin, Air Force Research Laboratory, Wright-Patterson AFB,
Jan	2017	DMDII 15-11 <a href="#">Coordinated Holistic Alignment of Manufacturing Processes</a> . PI
Jun	2017	NIH / NLM T5 <a href="#">Biomedical Informatics and Data Science Research Training Programs</a> . Mentor
Jan	2018	DMDII Wind Turbine Ontology Project. PI
Mar	2018	Naval Postgraduate School N00244-18-1-0003 Data Science Approaches to Automation of Analytic Work Flows. Co-PI
Aug	2018	Navy SYSCOMs and DoD Ontology (Planning Grant), Systems Engineering Research Center (SERC). PI
Sep	2018	Air Force Office of Scientific Research AFOSR- 0007011818 Event Characterization Fusing Hard and Soft Data via Semantic Models. Co-PI
June	2019	Cognitive Data Framework Phase II

## STANDARDS

Editor, International Standards Organization and International Electrotechnical Commission Joint Technical Committee 1, for ISO/IEC 21838-1 (Top-Level Ontologies) and ISO/IEC 21838-2 (Basic Formal Ontology)

## ONLINE COURSES

[An Introduction to Biomedical Ontology](#)(2008)  
[An Introduction to Ontology: From Aristotle to the Universal Core](#) (2009)  
[From Basic Formal Ontology to the Information Artifact Ontology](#) (2009)  
[Basic Building Blocks for Biomedical Ontologies](#) (2011)  
[Problems in Ontology](#) (2012)  
[Ontology for Intelligence, Defense and Security](#) (2012)  
[Semantics for Biodiversity](#) (2013)  
[Analytic Metaphysics \(Lecture Course\)](#) (2016)  
[Building Ontologies: An Introduction for Engineers](#) (2017)  
[Introduction to Basic Formal Ontology 2.0](#) (2017)  
[Ontology for Systems Engineering](#) (2018)  
[Building Ontologies with Basic Formal Ontology](#) (2018)

## TEACHING SINCE 2000

*University at Buffalo*

Husserl's *Logical Investigations* (graduate seminar), Spring Semester 2001  
Geographic Ontology (graduate seminar, with David Mark), Spring Semester 2001  
[Philosophy of Social Reality](#) (undergraduate honors seminar, with Rudolf Lütke), Fall Semester 2001  
[Geospatial Ontology](#) (graduate seminar, with Roberto Casati), Fall Semester 2001  
[Religion, Revolution, War and Terrorism](#) (graduate seminar), Spring Semester 2002  
[Formal Ontology](#) (graduate seminar), Fall Semester 2002  
[The Meaning of Life](#) (undergraduate honors seminar), Spring Semester 2003  
[Husserl](#) (graduate seminar), Spring Semester 2003  
[Topics in Ontology](#) (graduate seminar), Spring Semester 2003  
[Types and Tokens](#) (graduate seminar with Boris Hennig and Fabian Neuhaus), Fall Semester 2005  
Ontology, Bioinformatics and Life Sciences (public lecture series), Fall Semester 2006  
[An Introduction to Biomedical Ontology](#) (tutorial), Spring Semester 2008  
CAS 101: Trends in Arts and Sciences (Philosophy), Fall Semester 2009  
Basic Formal Ontology (tutorial), Fall Semester 2009  
[From Aristotle to the Universal Core](#) (tutorial), Fall Semester 2009  
[Philosophical Aspects of Health and Disease, Fall Semester, 2010 \(with Mathias Brochhausen\)](#)  
CAS 101: Trends in Arts and Sciences (Philosophy), Fall Semester 2011  
Four Seminars on Biomedical Informatics. [Core Curriculum in Clinical and Translational Research](#) Seminar Series (School of Medicine), Spring Semester 2012  
[Basic Formal Ontology 2.0](#) (tutorial), Summer Semester 2012  
[Protégé 2000](#) (tutorial), Summer Semester 2012 (with Ron Rudnicki)  
[Problems in Ontology](#) (graduate seminar), Fall Semester 2012  
Ontological Engineering (graduate seminar), [Fall Semester 2013](#), [Fall Semester 2014](#)

Tutorial and Hackathon: [Ontology and Imaging Informatics](#), Third Clinical and Translational Science Ontology Workshop, June 23-25, 2014

CE 630: Research Methods in Chemical and Biological Engineering (Research Ethics), Spring Semester 2015

CAS 101: Trends in Arts and Sciences (Philosophy), Fall Semester 2015

[Analytic Metaphysics](#), Spring Semester 2016

[Biomedical Ontology](#), Fall Semester 2016 (with Werner Ceusters)

[Applied Ontology](#), Spring Semester 2017 (online course)

PHI 579 Social Norms and Informal Institutions, Spring Semester 2017 (guest lecture)

[Advanced Biomedical Ontology](#), Fall Semester 2017 (with Werner Ceusters)

Clinical and Translational Science Institute (CTSI) Workforce Development Core, Biomedical Informatics Workshop Series, Lectures on: How to write grants. How to get published. Data ethics and responsible data sharing. October 3 and October 15, 2017

[Ontology for Systems Engineering](#) ([Slides](#)), UB [Center for Multi-Source Information Fusion](#), January 26, 2018

[Ontological Engineering](#), Spring Semester 2018 (online course)

[Applied Ontology](#), Fall Semester 2018

[Intelligence Analysis: A Philosophical Introduction](#), Fall Semester 2019

#### *Catholic University of Lublin*

Truth and Truthmakers, Block-Seminar, March-April 2000

Applied Ontology, Block-Seminar, May 2002

[Applied Ontology: An Introduction](#), Block-Seminar, May 2018

#### *Universität Koblenz-Landau*

Werkzeuge des systematischen Denkens. Eine Einführung in die systematische Philosophie, Summer Semester 2000

Von Platon bis Nozick: Eine Einführung in die politische Philosophie (with Ruth Hagengruber), Summer Semester 2000

Probleme der angewandten Ethik (seminar, with Rudolf Lütke), Summer Semester 2000

Kognition, Information, Repräsentation (seminar)

#### *Universidad Autónoma del Estado de Morelos, Cuernavaca, Mexico*

Categorization: An Introduction to the Theory of Granular Partitions, June 2001 (block seminar)

#### *Copenhagen Business School, Copenhagen, Denmark*

Language and Ontology (block seminar), May 2003

#### *Universidad Francisco Marroquin, Guatemala City, Guatemala*

The Meaning of Social Life (block seminar), July 2003

#### *International Spatial Cognition Summer Institute, Bad Zwischenahn, Germany*

Ontology, Space and Language (block seminar, with John Bateman), August 24 - September 6 2003

#### *Intelligent Systems for Molecular Biology (ISMB)*

[Principles of Ontology Construction](#) (Tutorial with Suzanna Lewis and Michael Ashburner), Detroit, June 25, 2005

How to Build Ontologies and How to Use Them (Tutorial with Nigam Shah), Vienna, Austria, July 19, 2007  
Bio-Ontologies: How to Make and Use Them (Tutorial with Nigam Shah), Toronto, Canada, July 18, 2008

*Medical Informatics Europe (MIE)*

MIE 2005: [Principles of Ontology Design](#) (Tutorial, with Werner Ceusters), Geneva, August 28, 2005

MIE 2006: [Standards and Ontology](#) (Tutorial, with Werner Ceusters), Maastricht, August 27, 2006

MIE 2009: Biomedical Ontologies: The State of the Art (Tutorial, with Werner Ceusters), Sarajevo, August 30, 2009

*International Conference and Research Center for Computer Science, Schloss Dagstuhl, Germany*

[Training Course in Biomedical Ontology](#) (Tutorial), May 21-24, 2006

[Reasoning with Biomedical Information: Training Course in Logic for Biomedical Research](#) (Tutorial), June 20-22, 2007

*Universität des Saarlandes*

[Problems in Ontology](#) (with Pierre Grenon and Ingvar Johansson), Fall Semester, 2004

Spezies (graduate seminar, with Ulrich Nortmann and Mathias Brochhausen), Summer Semester 2006

Sprachtechnologie, Ontologien und Rechtswissenschaft (research seminar, with Manfred Pinkal, Max Herberger, and Stephan Walter), Summer Semester 2006

Die Grundkategorien der Ontologie (Blockveranstaltung), Summer Semester 2014

*Duke University, Durham, NC*

The Foundations of Biomedical Ontology (Tutorial), October 31, 2006

*Massachusetts Institute of Technology, Cambridge, MA*

Connecting BioPAX to Other Biomedical Ontologies (Tutorial), November 20-21, 2006

*Protégé 2007, Budapest, Hungary*

How to Build and Maintain Useful Ontologies (Tutorial), July 15, 2007

*Universidade Federal Fluminense, Rio de Janeiro, Brazil*

An Introduction to Biomedical Ontology (Tutorial), August 14, 2008

*Northwestern University, Chicago, IL*

Tutorial on Ontology Development, Disease Ontology Workshop, Northwestern University, Chicago, January 16-17, 2010

*European Bioinformatics Institute, Hinxton, Cambridge, UK*

[Ontologies for the Virtual Physiological Human](#) (Tutorial, with Alan Ruttenberg), February 14, 2010

Introduction to Ontology Best Practices (Tutorial), Ontology Development and Engineering: Tutorial & Training Workshop (EMBL-EBI Industry Programme), October 11, 2010

*US Army Net-Centric Data Strategy Center of Excellence, ANSER Center, Arlington, VA*

[Universal Core Semantic Layer](#) (Tutorial, with Lowell Vizenor), March 17, 2010

*Pre-Conference of the 2nd Summer School in Affective Sciences (ISSAS 2010), University of Geneva, Switzerland*



Groundrules for an Ontology of Emotion (Tutorial), August 22, 2010

*Department of Human Genetics, Emory University, Atlanta GA*

[Building Ontologies for Clinical and Translational Research](#), June 29, 2011

Presentations on [Youtube](#)

*Space and Naval Warfare (SPAWAR) Systems Command, Systems Center Atlantic, Charleston SC*

[SPAWAR Semantic Boot Camp](#), September 21-23, 2011

*US Army Intelligence and Information Warfare Directorate (I2WD), Washington DC*

Semantic Enhancement Training, January 12-13, 2012

Ontology for the Intelligence Community: Training and Coordination Event, April 19-20, 2012

Distributed Common Ground System Ontology Training Event, March 27, 2013

*New York Botanical Garden, Bronx, NY*

[Introduction to Bio-Ontologies](#), Tutorial, Feb 5, 2012

*National Center for Biomedical Ontology, Baltimore, MD*

[Introduction to Biomedical Ontology for Clinical and Translational Research](#) Tutorial, April 24, 2012

*Genomic Standards Consortium, University of Kansas Biodiversity Institute, Lawrence, KS*

[Semantics of Biodiversity Workshop and Tutorial](#), May 16 -18, 2012

Presentations on [Youtube](#)

*International Conference on Biomedical Ontology (ICBO)*

[How to Develop and Use OBO Foundry Ontologies](#), Tutorial, Medical University of Graz, Austria  
July 21, 2012

[Basic Formal Ontology 2.0](#), Tutorial, Medical University of Graz, Austria, July 25, 2012

[OBO Foundry 101](#): Tutorial on Collaborative Ontology Development (with Melanie Courtot, Melissa Haendel, Chris Mungall, Bjoern Peters, Alan Ruttenberg, Carlo Torniai and Jie Zheng), Concordia University, Montreal, Canada, July 7, 2013

[Information Artifact Ontologies Workshop](#), Rio de Janeiro, [Tutorial on the Information Artifact Ontology](#),  
September 22, 2014

Tutorial: [Introduction to Basic Formal Ontology](#), Lisbon, Portugal, July 28, 2015

Tutorial: The Ontology for Biomedical Investigations, Lisbon, Portugal, July 28, 2015

Tutorial: Open Biomedical Ontologies, Corvallis, OR, August 1, 2016

Tutorial: [Building Ontologies with Basic Formal Ontology](#), Corvallis, OR, August 7, 2018 ([Video](#))

[BFO Tutorial \(2019\)](#) (with Alan Ruttenberg), July 30, 2019 ([Video](#))

*European Conference on Computational Biology (ECCB), Basel, Switzerland*

[Applications of Bio-Ontologies in Large-Scale Data-Driven Science](#), Tutorial, September 9, 2012

*Semantic Technology for Intelligence, Defense and Security (STIDS), George Mason University, Fairfax, VA*

[Ontology for Intelligence, Defense and Security](#), Tutorial, October 23, 2012

[Information Ontologies for the Intelligence Community](#), Tutorial, November 12, 2013

[Ontology of Military Planning and Operations Assessment](#), Tutorial, November 18, 2014

*[Quantitative Systems Immunology Summer School](#), Boston University, Boston, MA*

[Immunology Ontology](#), Tutorial (with Lindsay Cowell), June 10-14, 2013. [Video](#)

*Milan Polytechnic, Milan, Italy*

Tutorial: An Introduction to Ontology for Mechanical Engineers, April 28-30, 2015



*Air Force Research Laboratory, Rome, NY*

[Ontology Bootcamp](#), July 7, 2015

*Air Force Research Laboratory, Wright-Patterson Air Force Base, Dayton, OH*

Ontology Bootcamp, February 25-26, 2016

[Aircraft Airworthiness & Sustainment \(AA&S\) Conference](#)

Digital Thread Training: Ontology Bootcamp, Grapevine, TX, March 24, 2016

[Unlocking Digital Thread \(DT\) Data for More Effective and Economical Systems Health Monitoring](#),

Phoenix, AZ, May 21, 2017

[Web Science and Technology \(WebST\) 2016](#), Bilbao, Spain

[Towards Ontological Foundations for Web Science](#), July 18-19, 2016

ASME 2017 International Design Engineering Technical Conferences (IDETC) and Computers & Information in Engineering Conference (CIE) (IDETC/CIE), Cleveland, OH

[A Strategy for Promoting Data Interoperability Across the Enterprise. Introduction to BFO for Engineers](#), August 6, 2017

[Systems Engineering Research Center \(SERC\)](#), Washington, DC

[Systems Engineering Ontology Bootcamp](#), December 5, 2017, ([Video](#))

University of Italian Switzerland (USI), Ticino, Switzerland

[Ontology and Artificial Intelligence](#), April 8-12, 2019

Propulsion Directorate, Tinker Air Force Base, Oklahoma City, OK

Propulsion Ontology Tutorial, June 27, 2019

[Joint Ontologies Workshop \(JOWO\)](#), Graz, Austria

[TLO: Top Level Ontologies \(ISO/IEC 21838\)](#), September 24, 2019

## **POSTDOCTORAL RESEARCH SUPERVISED SINCE 2000**

Berit Brogaard, University at Buffalo, College of Arts and Sciences, 1999–2000

Alan Clune, University at Buffalo, College of Arts and Sciences, 2001

Daniel von Wachter IFOMIS, Leipzig, 2002

Igor Papakin, IFOMIS Leipzig, 2002-2003

Martin Trautwein, IFOMIS Leipzig, 2002-2004

Thomas Bittner, IFOMIS, Leipzig/Saarbrücken, 2002-2005

Maureen Donnelly, IFOMIS, Leipzig/Saarbrücken, 2002-2005

Pierre Grenon, IFOMIS, Leipzig/Saarbrücken, 2002-2007

Luc Schneider, IFOMIS, Leipzig, 2003-2004

Anand Kumar, IFOMIS, Leipzig, 2003-2006

Fabian Neuhaus, IFOMIS Saarbrücken / University at Buffalo / National Center for Biomedical Ontology, 2004–2007

Dirk Marwede, IFOMIS, Leipzig/Saarbrücken, 2004-2006  
 Boris Hennig, IFOMIS, Leipzig/Saarbrücken, 2004-2006  
 Mathias Brochhausen, IFOMIS, Saarbrücken, 2005-2006, University at Buffalo, 2010-2011  
 Ludger Jansen, IFOMIS Saarbrücken, 2005-2006  
 Christian Cocos, IFOMIS Saarbrücken, 2006  
 Jose L. E. Mejino, Jr. University at Buffalo / National Center for Biomedical Ontology, 2006  
 Robert Arp, University at Buffalo / National Center for Biomedical Ontology, 2007-2009  
 Albert Goldfain, Immune System Biological Networks: A Case Study in Improved Data Integration and Analysis (NIH / NIAID), University at Buffalo, 2008-2010  
 Leonard Jacuzzo, University at Buffalo / National Center for Biomedical Ontology, 2009  
 Kerry Trentelman, University at Buffalo / National Center for Biomedical Ontology, 2009-2010  
 Gian Paolo Terravechia, University at Buffalo, 2009  
 Mauricio B. Almeida, University at Buffalo, 2010-2011  
 William H. Mandrick, University at Buffalo, 2011  
 Selja Seppälä, University at Buffalo, 2012–2016  
 Jose Parente de Oliveira, University at Buffalo, 2016  
 David Kasmier, University at Buffalo, 2018-2019  
 David Limbaugh, ICPPostdoc, University at Buffalo, 2018-2020

## PH.D. DISSERTATIONS DIRECTED

1. Catherine J. Pearce, [Phenomenology of Time and Space](#), University of Manchester, October 1991. Current employment: Her Majesty's Treasury, UK.
2. James DuBois, Reinach's Theory of Judgment, International Academy of Philosophy, Liechtenstein, June 1992. Published as [Judgment and Sachverhalt. An Introduction to Adolf Reinach's Phenomenological Realism](#), Dordrecht/Boston/London: Kluwer Academic Publishers, 1995. Current employment: Steven J. Bander Professor of Medical Ethics, Washington University, St. Louis.
3. Balász Mezei, [World and Life-World. Aspects of the Philosophy of Edmund Husserl](#), International Academy of Philosophy, Liechtenstein, June 1992. Published as *World and Life-World*, Frankfurt: Peter Lang, 1995. Current employment: Department of Philosophy, Eötvös Loránd University, Budapest
4. Paul Chu, A Small Gray Book about the Present, International Academy of Philosophy, Liechtenstein, November 1992
5. Agnieszka Lekka-Kowalik, The Concept of Rationality in Natural Science, International Academy of Philosophy, Liechtenstein, January 1993. Current employment: Director and Vice-Dean, John Paul II Institute, Catholic University of Lublin, Poland
6. Aage Holter, [The Horizon of Choice: A Contribution to the Austrian Theory of Economics](#), International Academy of Philosophy, Liechtenstein, May 1993; Current Employment: Kreative Norge, Norway
7. Michael Gorman, [Ontological Priority](#), University at Buffalo, August 1993. Current employment: Department of Philosophy Catholic University of America
8. David Koepsell, The Ontology of Cyberspace, University at Buffalo, February 1997 (published as [The Ontology of Cyberspace: Law, Philosophy, and the Future of Intellectual Property](#), Chicago: Open Court, 2000). Director of Research and Strategic Initiatives, Comisión Nacional de Bioética, Mexico, D.F.
9. Daniel Barwick, [On the Nature of Concepts: An Essay in Metaphysics](#), University at Buffalo, April 1997. Current employment: Department of Philosophy SUNY Alfred
10. Leo Zaibert, [Intentionality and Blame: A Study in the Foundations of Culpability](#) (member of Ph.D. Committee), University at Buffalo, June 1997. Current employment: Chair, Department of Philosophy, Union College, Schenectady
11. Berit Brogaard, [Temporal Mereology](#), University at Buffalo, November 1999. Current employment: Department of Philosophy, University of Miami

12. Gerold Erion, [Common Sense: An Investigation in the Theory of Ontology, Epistemology, and Moral Philosophy](#), University at Buffalo, November 1999. Current employment: Professor of Philosophy, Medaille College, Buffalo
13. Ivonne Palares, [Foundations of the Theory of Categories](#), University at Buffalo, November 1999. Current employment: Department of Philosophy, Universidad Autónoma del Estado de Morelos, Mexico
14. Alan Clune, [Using the World to Understand the Mind: Evolutionary Foundations for Ecological Psychology](#), University at Buffalo, April 2000. Current employment: Department of Philosophy, Sam Houston State University
15. Gloria Zuniga, [A General Theory of Value: Axiology in the Central European Philosophical Tradition](#), University at Buffalo, April 2000. Department of Philosophy, Ashford University
16. Michael Happold, [Information, Computation, and the Nature of Cognition: A Critique of Computational Approaches to Understanding and Creating Minds](#), August 2000. Current employment: Senior Robotics Research Scientist at Neya Systems, LLC in Pittsburgh, PA
17. David Garren, [Whose Life Is It Anyway: The Case Against Paternalism](#), March 2002. Current employment: Associate Professor, US Naval Academy, Annapolis
18. David Kaspar, [Wise Action: A Dissertation on Prudence and Morality](#), October 2002. Current employment: St John's University, Staten Island Campus
19. Eric Little, [Moderate Materialism: Toward a Unified Ontology of Consciousness](#), October 2002. Current employment: VP Data Sciences, Osthus
20. Adrienne McEvoy, [The Role of Empathy in Pain Management Decisions](#), University at Buffalo, August 2002. Current employment: Mansfield University of Pennsylvania, Mansfield, PA
21. William Mandrick, [The Ontology of War](#), University at Buffalo, April 2003. Current employment: Colonel, US Army.
22. Youngjin Kiem, [Prolegomena to a New Theory of Intentionality](#), University at Buffalo, September 2004. Current employment: Assistant Professor, Kyonggi University, Suwon, Korea
23. Lowell Vizenor, [Corporate Being: A Study in Realist Ontology](#), University at Buffalo, February 2006. Current employment: Chief Technology Officer at Securboron, Washington, DC.
24. Douglas Mayhew, [An Ontology of Natural Cognition. The Substance and Structure of Everyday Thought](#), University at Buffalo, May 2007 (deceased)
25. Pierre Grenon, [On Relations](#), University of Geneva, October 2007 (co-supervisor: Kevin Mulligan). Current Employment: Centre for Health Informatics, University College, London
26. Luc Schneider, [Kinds of Instances: A Logical and Metaphysical Inquiry into the Ontological Square](#), University of Geneva, October 2007 (co-supervisor, Kevin Mulligan). Current Employment: Digital Curator National Library of Luxemburg
27. Nikoloz Tsikolia, [Mechanisms of carcinogenesis: A consideration of causality in the development and pathology of the living organism based on realistic ontology](#), University of Leipzig, November 2007 (co-supervisor). Current employment: Department of Anatomy and Embryology, University Medical Center, Göttingen, Germany
28. Mark Niswonger, [Life at Its Edges: A New Look at the Persistence Conditions for Organisms](#), University at Buffalo, November 2010. Current employment: Brown Mackie College, Cincinnati
29. A. Patrice Seyed, [A Method for Evaluating and Standardizing Ontologies](#), University at Buffalo, December 2011 (co-supervisor). Current employment: Biomedical Ontology Engineer at 3M Health Information Systems, Troy, NY
30. Frédéric Tremblay, [Resemblance Realism: A Theory of Universals](#), University at Buffalo, May 2014. Current employment, Immanuel Kant Baltic Federal University, Kaliningrad, Senior Research Fellow
31. William Duncan, [The Ontology of Computational Artifacts](#), University at Buffalo, June 2014. Current employment: Assistant Professor of Oncology, Roswell Park Cancer Institute
32. Peter Koch, [A Theory of Patient Welfare](#), University at Buffalo, 2016. Current employment: Assistant Professor, Villanova University, Villanova, PA
33. J. Neil Otte, [Moral Psychology: An Ontological Approach](#), University at Buffalo, 2019. Current employment: Senior Ontologist, Applied Physics Lab, Johns Hopkins University

## PRESENTATIONS AT PROFESSIONAL MEETINGS AND SYMPOSIA

May	1977	Philosophy, Literature and Art, Balliol and St. Catherine's College, Oxford ("Ingarden and Literary Theory")
Jun	1977	Hegel and Husserl Workshop, University of Warwick ("Husserlian Phenomenology and the Principles of Methodological Individualism")
Aug	1977	Wittgenstein and His Impact on Contemporary Thought: <a href="#">2nd International Wittgenstein Conference</a> , Kirchberg am Wechsel, Austria ("Wittgenstein and the Background of Austrian Philosophy")
Aug	1978	Wittgenstein, the Vienna Circle, and Critical Rationalism: <a href="#">3rd International Wittgenstein Conference</a> , Kirchberg am Wechsel, Austria ("On Tractarian Law")
Sep	1978	Die Philosophie Franz Brentanos, Conference in Graz, sponsored by the Brentano Foundation
Apr	1979	The Theory of the Free Society, Liberty Fund Colloquium in St. Anne's College, Oxford
Jul	1979	Zweites Tübinger Wittgenstein Symposium, sponsored by the Fritz Thyssen Stiftung, Tübingen, July 1-6
Aug	1979	Language, Logic and Philosophy: <a href="#">4th International Wittgenstein Conference</a> , Kirchberg am Wechsel, Austria ("It")
Sep	1979	Kunst und Öffentlichkeit, Colloquium organised as part of the Steirische Herbst, Graz ("Kunst, Konkurrenz und Kapitalismus")
Apr	1980	Liberty and Tradition, Liberty Fund Colloquium in Oxford
Oct	1980	Österreichische und ungarische Philosophie, Colloquium sponsored by the Austrian Cultural Institute, Budapest, October 3-4 ("Austrian and Hungarian Philosophy: On the Logic of Wittgenstein and Pauler")
Apr	1981	Liberty and the Market, Liberty Fund Colloquium in Oxford
Jun	1981	Aesthetics and the Philosophy of Literature, Colloquium sponsored by the Nordic Council in Åland, Finland ("Phenomenological Foundations of Literary Theory")
Jul	1981	Joint Session of the Mind Association and the Aristotelian Society, Manchester ("Logic, Form and Matter")
Aug	1981	Language and Ontology: <a href="#">6th International Wittgenstein Conference</a> , Kirchberg am Wechsel, Austria ("Some Formal Moments of Truth")
Apr	1982	The Theory of the Free Society II, Liberty Fund Colloquium in Oxford, April 18-23 (as commentator)
Aug	1982	Epistemology and Philosophy of Science: <a href="#">7th International Wittgenstein Conference</a> , Kirchberg am Wechsel, Austria ("Acts and their Objects") Ehrenfels-Konferenz, sponsored by the Niederösterreichische Landesregierung, Schloss Lichtenau, August 31-September 3 ("Mach und Ehrenfels: Zur Theorie der Abhängigkeit")
May	1983	Intentionality, 5th International Colloquium of the Institut de Méthodologie, held in Bienne, Switzerland, May 5-8 ("Acta cum fundamentis in re")
Jun	1983	Present Thinking about Parts and Wholes, Conference of the Swedish Committee for Future Oriented Research in Lund, Sweden, June 1-3 ("Logical and Philosophical Remarks on Parts and Wholes")
Aug	1983	Aesthetics-Philosophy of Religion: <a href="#">8th International Wittgenstein Conference</a> , Kirchberg am Wechsel, Austria ("How not to talk about what does not exist")
Dec	1983	Symposium Adolf Reinach, Conference organised by the Centrale Interfaculteit, Rijksuniversiteit Utrecht, Holland, December 9 ("Judgment and Belief: Some Reinachian Notes on Logic")
May	1984	Methods for the Study of Cultural Objects, Conference organised by the Nordic Council in the University of Göteborg, Sweden, May 21-24 ("The Concept of Aesthetic Order")
Jun	1984	The Descriptive Psychology of the Brentano School, International Conference organized in Trieste and Bologna by the Brentano-Foundation and by the Universities of Graz, Trieste und Bologna, June 13-15 ("The Substance of Brentano's Ontology") Foundations of Cognitive Psychology: The Work of Köhler, Selz and Lewin, Colloquium of the Werner Reimers-Stiftung held in Bad Homburg, Germany, June 8-20 ("On the Foundations of

		Gestalt Theory")
Aug	1984	Philosophy of Mind–Philosophy of Psychology: <a href="#">9th International Wittgenstein Conference</a> , Kirchberg am Wechsel, Austria ("On the Structures of Perceptual Gestalten")
Oct	1984	Vienne 1880–1938: Fin de Siècle et Modernité, Conference organised by the Centre Georges Pompidou and the Institut Autrichien in Paris, October 8-12 ("On the Modification of Feeling")
Nov	1984	Essential Necessity, Conference organised by the International Academy for Philosophy, Dallas, Texas, November 9-10 ("Material A Priori Structures") Sprachtheorie im Anschluss an Karl Bühler, Colloquium organised by the University of Essen and sponsored by the Deutsche Forschungsgemeinschaft, November 21-24 ("Materials Towards a History of Speech Act Theory")
Dec	1984	Zur Philosophie und Sprachtheorie Anton Marty, Colloquium of the Fritz Thyssen Stiftung in the Université de Fribourg, Switzerland, December 7-9 ("Brentano and Marty: A Correspondence Theory of Intentionality")
Apr	1985	Emozioni e sentimento nel pensiero filosofico contemporaneo, Symposium organised by the Comune di Bolzano, Italy and the University of Milan in Schloss Maretsch, Bolzano, April 12-13 ("Über Gefühle und Phantasiegefühle: Eine Betrachtung zur Ontologie der Kunsterfahrung")
May	1985	Phénoménologie et Gestalttheorie: Histoire et Actualité de l'Ontologie formelle, Conference organised by the Ecole des Hautes Etudes en Sciences Sociales, Paris, May 2-6 ("Boundaries and the Continuum")
Aug	1985	Austrian Philosophy, Colloquium organised as part of the <a href="#">10th International Wittgenstein Conference</a> , Kirchberg am Wechsel, Austria ("A Theory of Austria")
Sep	1985	The Habsburg Monarchy in Transition, 1890-1914, Conference organised by the Institute of Slavonic and East European Studies in the University of London, September 16-20 ("Theories of Austria")
Oct	1985	Lukács und Österreich, Colloquium organised by the Hungarian Academy of Sciences and by the Österreichisches Kulturinstitut, Budapest, October 1-3 ("Bela Zalai und die Metaphysik des reinen Seins") The Philosophy of Roman Ingarden, International Conference held in Cracow, Poland, October 25-27 ("The Ontology of Epistemology") Beiträge zur österreichischen Philosophie, Colloquium organised by the Forschungsstelle und Dokumentationszentrum für österreichische Philosophie, Graz, October 28-29 ("Die Kreativität der österreichischen Philosophie: Einige Erklärungsversuche")
Dec	1985	Linguaggio e società oggi, Colloquium organised by the University of Trieste and the Goethe Institut, Trieste, December 2-3 ("Die Substitutionstheorie der Kunst") Symposium Alexander Pfänder, Conference organised by the Centrale Interfaculteit of the Rijksuniversiteit, Utrecht, December 13 ("What is special about Munich Phenomenology?")
Mar	1986	Interpretation, Human Agency and Economics, Conference organised by the Center for the Study of Market Process, Fairfax, Virginia (as commentator)
Sep	1986	Husserlian Perspectives on Cognition and Ontology, International Symposium organised by the Institute for the Philosophy of Language, University of Milan, in the Villa Feltrinelli, Gargnano, Lago di Garda, Italy, September 5-7 ("Indexicality and Categorical Grammar") The Vienna Circle and the Lemberg-Warsaw School, an International Symposium organised at Jablonna, Warsaw, by the Polish Academy of Sciences and the Austrian Institute in Warsaw, September 26-30 ("Vienna–Prague–Lemberg–Berlin")
Nov	1986	100 Years of Polish Philosophy, an International Conference in the University of Manchester, 14-November 15 ("Kotarbinski on the Nature of Things")
May	1987	The Object and Its Identity, International Conference in Bolzano and Trento, sponsored by the University of Trento and the Cultural Assessorat of Bolzano, Italy, May 27-30 ("An Overview of Brentanian Ontology")
Nov	1987	La Critique de la raison en Europe centrale, Conference held in the University of Geneva, November 20-21 ("Kafka and Brentano" and "Critique de la raison économique")
Mar	1988	The Philosophy of Edmund Husserl, Annual Conference of the British Society for



		Phenomenology in St Edmund Hall, Oxford, March 25-27 ("Husserl's Idealism: The Grain of Truth")
Apr	1988	The Descriptive Psychology of Franz Brentano, International Conference in the University of Würzburg, April 27-30 ("The Soul and Its Parts")
Jun	1988	L'Ontologie formelle aujourd'hui, International Conference in the University of Geneva, June 3-5 ("Universals")
Jul	1988	Theorie und Erfahrung in der neuen kognitiven Psychologie, International Conference of the Werner Reimers Stiftung, Bad Homburg, Germany, July 4-6 ("Die Bausteine des Psychischen: Versuch einer Kategorienlehre der Intentionalität")
Aug	1988	Philosophy of the Natural Sciences, <a href="#">13th International Ludwig Wittgenstein Conference</a> in Kirchberg am Wechsel, Lower Austria ("Topology for Philosophers") Seminar Joachim Jungius, Organised as part of the 13th International Ludwig Wittgenstein Conference in Kirchberg am Wechsel, Lower Austria ("Logica Kirchbergensis")
Sep	1988	Praxeology and the Philosophy of Economics, Conference organised by the Polish Academy of Sciences and the Austrian Institute in Warsaw, September 2-5 ("Austrian Philosophy and Austrian Economics") Rationalité et Objectivités. Nouvelles approches, Conference organised by the Centre Culturel International de Cerisy-la-Salle, Cerisy, Normandy, September 9-18 ("Aristotelian Robotics") Wo bin ich? Selbstbewusstsein, Selbstbestimmung und die Reflexivität der Kommunikation, Conference organised in the University of Freiburg im Breisgau, Germany (Commentator on H.-N. Castañeda)
Dec	1988	Symposium of the American Association for the Philosophical Study of Society at the Eastern Division meeting of American Philosophical Association. Commentator: E. Lepore, Chair: D. Davidson, December 29 ("Realism and the Correspondence Theory of Truth")
Mar	1989	Hermeneutique et Nihilisme, Premier Congrès Européen de Philosophie, Université Libre de Bruxelles, March 8-10 ("Sur l'impossibilité de traduire la philosophie allemande") Computer und Bildung. Praktische und theoretische Aspekte, Interdisciplinary Symposium of the International Academy for Philosophie, Schaan, Liechtenstein, March 31 ("Einführung zum Programm")
Apr	1989	The Legacy of Carl Menger, International Conference in Duke University, Durham, NC, April 14-16 ("Ludwig von Mises and the Mengerian Legacy") Zur philosophischen Aktualität Heideggers, Symposium of the Alexander von Humboldt-Stiftung, Bonn-Bad Godesberg ("Über die Gründe für die Nichtübersetzbarkeit der deutschen Philosophie")
May	1989	The Artist and His Work, Conference of the Nordic Society for Aesthetics in Helsinki, May 21-24 ("What are Works of Art Built For?")
Aug	1989	Wittgenstein: Eine Neubewertung, <a href="#">14th International Wittgenstein Symposium</a> in Kirchberg am Wechsel, Austria ("Wittgensteinian Philosophy and the Culture of the Commentary")
Sep	1989	Evolving Knowledge in Natural Science and Artificial Intelligence, Symposium of the British Society for the Philosophy of Science and of the Institution of Electrical Engineers, University of Reading, September 22-24 ("Naive Physics and Folk Psychology")
Oct	1989	Die Gedankenwelt Sir Karl Poppers. Kritischer Rationalismus im Dialog, Conference of the Ludwig Boltzmann-Institut für neuere österreichische Geistesgeschichte, Schloß Hofen, Lochau ("Grundlegung eines fallibilistischen Apriorismus")
Nov	1989	Gestalt Psychology: Its Origins, Foundations and Influence, An International Workshop of the Centro Fiorentino di Storia e Filosofia della Scienza, Florence ("Theories of the Commonsense World")
Jan	1990	The Methodology of Carl Menger, Symposium in King's College, London ("Aristotle and the Foundations of Economics")
May	1990	Internationale Brentano-Konferenz. Conference organized by the Forschungsstelle und Dokumentationszentrum für Österreichische Philosophie, Graz ("Die neue Brentano-Forschung")

Sep	1990	Cognitive Science in Finland, Conference organized by the Finnish Academy of Sciences at the Seili Island Research Institute in Finland ("On the Methodologies of Cognitive Science" and "On the Structures of the Common-Sense World")
Oct	1991	Geisteswissenschaftliches und literarisches Übersetzen im internationalen Kulturaustausch, Symposium of the Alexander von Humboldt Stiftung, Sonthofen ("Über die Grenzen der Übersetzbarkeit: Eine philosophische Fallstudie") T. G. Masaryk und die Brentano-Schule, International Symposium organized by the Czechoslovak Academy of Sciences in Prague, October 15-17 ("From T. G. Masaryk to Václav Havel")
Mar	1992	Philosophy and Political Change in Eastern Europe, Monist Colloquium sponsored by the Bradley and Soros Foundations in the Hungarian Academy of Sciences, Budapest ("The New European Philosophy")
Apr	1992	Ansatz und Wirkung der philosophischen Psychologie Franz Brentanos, International Colloquium sponsored by the Universities of Würzburg and Trento at the Villa Vigoni, Lovenio di Menaggio, Como ("Franz Brentano: Eine Zusammenfassung")
May	1992	Weltanschauung, Ideologie und Philosophie. Kolloquium zu Ehren von Professor Joseph M. Bochenski, University of Freiburg, Switzerland ("Die wissenschaftliche Philosophie und ihre gegenwärtigen Herausforderungen")
Jun	1992	Wie erkennt man Naturrecht?, Interdisciplinary Symposium at the International Academy for Philosophy, Schaan, Liechtenstein ("Philosophische Argumente gegen die Erkennbarkeit des Naturrechts")
Feb	1993	European Philosophy and the American Academy, The Second Monist Colloquium, held at Wingspread, Wisconsin ("Commentary on Norris")
Mar	1993	International Workshop on Formal Ontology in Conceptual Analysis and Knowledge Representation, National Research Council of Italy, Padua ( <a href="#">"Ontology and the Logistic Analysis of Reality"</a> )
Apr	1993	Ungarn und die Brentano-Schule: Zu einem Kapitel mitteleuropäischer Philosophie, Conference organized by the Institute of Philosophy of the Hungarian Academy of Sciences in collaboration with the Austrian Institute, Budapest ("Brentano, Mach and Hayek") Hayek Memorial Conference, organized by the Department of Economics, University College, London in collaboration with the Goethe Institute and the Austrian Institute, London ("The Intellectual Order: A Study of Hayekian Psychology")
Jun	1993	Internationales Symposium der Deutschen Hegel-Vereinigung, Stuttgart, ("Philosophieren und Kommentieren. Überlegungen zu ihrem Verhältnis")
Nov	1993	The Legacy of Brentano, Conference organized by the Jagiellonian University, the International Cultural Centre and the Austrian General Consulate in Cracow ("Boundaries") The Formal Ontology of Space, Conference organized by the National Research Council of Italy, Padua ("On the Coincidence of Boundaries")
Dec	1993	The Sensory Order, Conference organized by the Scuola Superiore di Studi Universitari, Pisa, Italy ("Steps Towards a Cognitive Economics: Connectionism, Individualism and The Sensory Order")
Feb	1994	Räume, 11th Hamburg Colloquium on Cognitive Science, Graduiertenkolleg Kognitionswissenschaft, Universität Hamburg ("Kognitive Geographie") Der Begriff des Sachverhalts zwischen Linguistik und Philosophie, Graduiertenkolleg Kognitionswissenschaft, Universität Hamburg ("Die Einheit der Sachverhalte")
Mar	1994	The Creighton Club. New York State Philosophical Association, 139th Meeting, Skaneateles, NY ("Zeno's Paradox for Colors")
Apr	1994	Philosophy and Westernization, Central European University, Prague ("Which Western Philosophy?")
May	1994	The Phenomenology of Values and Valuing, Center for Advanced Research in Phenomenology, Florida Atlantic University, Boca Raton, Florida ("The Background of Value Theory")
Jul	1994	<a href="#">Topological Foundations of Cognitive Science</a> , Workshop organized as part of the <a href="#">First International Summer Institute in Cognitive Science</a> , Buffalo ("Introduction: Topological



- Foundations of Cognitive Science")
- Aug 1994 Parts and Wholes, Conceptual Part-Whole Relations and Formal Mereology, Workshop organized as part of the 11th European Conference on Artificial Intelligence, Amsterdam ("Fiat Objects")
- The British Tradition in 20th Century Philosophy, [17th International Wittgenstein Symposium](#), Kirchberg am Wechsel ("The Vindication of Common Sense")
- Formal Techniques in Ontology, Workshop organized by the Institut für Philosophie, Universität Konstanz ("The Joints of Reality: On the Typology of Demarcations")
- Sep 1994 The Ontology and Epistemology of Relations, Conference organized by the Department of Philosophy, SUNY Buffalo ("Comment on McMahon")
- Theories of Judgment: Assertion and Truth-Making, Leiden Seminar for the History and Philosophy of Logic and Semantics, University of Leiden, Holland ("The Grain of Truth")
- Nov 1994 Austrian Philosophy: From Brentano to Haller, University of Arizona, Tucson ("The Neurath–Haller Thesis")
- The Actuality of Gestalt Theory, International Conference of the University of Copenhagen, Denmark, November 24–27 (Plenary Lecture: "Cognitive Metaphysics"; Closing Speech: "Ehrenfels, Musil, Lakoff: On the Actuality of Gestalt Theory")
- Dec 1994 Ecological Phenomenology, American Philosophical Association, Eastern Division, Boston ("Ethical Relativity and Husserl's Crisis: Commentary on Kohak")
- Society for the Study of Husserl's Philosophy, American Philosophical Association, Eastern Division, Boston ("The Categorical Field")
- Mar 1995 Phänomenologie und Logischer Empirismus, Internationale Tagung aus Anlass des Zentenariums des österreichischen Philosophen, Mathematikers, Rechts- und Sozialwissenschaftlers Felix Kaufmann (1895-1949), Wien, Juridicum der Universität Wien ("Wien, Österreich und die Hauptströmungen der gegenwärtigen Philosophie")
- Symposium on Ontology, American Philosophical Association, Pacific Division, San Francisco ("The Immaculate Replacement: Commentary on Ehring")
- Society for the Study of Husserl's Philosophy, American Philosophical Association, Pacific Division, San Francisco ("The Ontology of Edmund Husserl")
- May 1995 The Cultural Context of Electronic Networking, Kulturwissenschaftliches Institut, Essen ("Electronic Networking: The Market for Information")
- Dziedzictwo Filozofii Analitycznej: Dorobek Szkoły Lwowsko Warszawskiej, University of Lublin (UMCS), Poland ("Why Polish Philosophy Does Not Exist")
- Science et Philosophie en France et en Autriche de 1880 à 1930, CNRS and Austrian Institute, Paris ("The Geography of Convention")
- Sep 1995 [Conference on Spatial Information Theory \(COSIT 1995\)](#), Semmering, Austria ("Performative Maps")
- International Meinong-Conference, University of Graz ("More Things in Heaven and Earth")
- Oct 1995 Actualité cognitive de la Phénoménologie: Les Défis de la Naturalisation, Université de Bordeaux III, France, October 19-21 ("Truth and the Visible Field")
- Nov 1995 The Open Society After 50 Years, Centre for the Study of Nationalism, Central European University, Prague, November 8-10 ("The Open Society and Its New Enemies")
- Dec 1995 Topology and Dynamics in Cognition and Perception, Centro Internazionale di Studi Semiotici e Cognitivi, Università degli Studi, Repubblica di San Marino, December 11-13 ("Cognitive Geography")
- Society for Philosophy and Geography, Session at the American Philosophical Association Eastern Division Meeting in New York City ("On Drawing Lines on a Map")
- Apr 1996 Kinds and Categories, The University of North Carolina at Greensboro Twentieth Annual Symposium in Philosophy, April 12-14 ("Categories, Deep and Superficial")
- Inherent and Instrumental Value, 24th Conference on Value Inquiry, International Society for Value Inquiry, D'Youville College, Buffalo, NY, April 18-20 ("Blind Realism")
- The Austrian Tradition in Logic: From Bolzano to the Vienna Circle, University of Texas at Austin

- and Austrian Cultural Institute, April 19-21 ("Austrian Philosophy and the Brentanian Tradition")  
 E Pluribus Unum, A Conference on Diversity, University at Buffalo, April 26-28 ("The Pedagogy of Pluralism")
- May 1996 Shadows, Holes, Blobs, Surfaces, and Other Entia Minora: A Workshop in Ontology, Columbia University, New York, May 19 ("The Metaphysics of Real Estate")
- Aug 1996 Current Issues in Political Philosophy: Justice and Welfare in Society and World Order, [19th International Wittgenstein Symposium](#) Kirchberg am Wechsel, Austria, August 11-18 ("The Cognitive Geometry of War")
- Sep 1996 Can Epistemology be Unified? Marvin Farber Conference, University at Buffalo, September 26-28 ("Commentary on L. Hankinson Nelson")
- Oct 1996 The Austrian Tradition: From Bolzano to the Vienna Circle. Symposium II, University of Texas at Austin and Austrian Cultural Institute, October 4-6 ("Husserl and Ontology")
- Nov 1996 Formal Models of the Common-Sense World, Initiative 21 Conference of the National Center for Geographic Information and Analysis, San Marcos, Texas ("The Formal Ontology of Common Sense")
- The Metaphysics of Real Estate: Comparative (Cross-Cultural) Ontologies for Cadastral Systems, Department of Geoinformation, Technical University, Vienna, Austria, November 25-26 ("Ontology, Epistemology and the Parceling of Space")
- Dec 1996 The Intellectual Legacy of the Austro-Hungarian Monarchy, István Széchenyi College for Advanced Studies of the Budapest University of Economics, Budapest, December 12-15 ("Philosophy in Austria-Hungary from Bolzano to Hayek")
- Mar 1997 Society for Philosophy and Geography, Session at the American Philosophical Association Pacific Division Meeting ("Prolegomena to a Metaphysics of Real Estate")
- American Philosophical Association Pacific Division Meeting, Invited Paper ("From Cognitive Linguistics to Cognitive Metaphysics")
- Apr 1997 Austrian Scholars Conference, Ludwig von Mises Institute, Auburn University, Auburn, Alabama April 4-5 ("The Political Economy of Geography")
- History of the Concepts of Space, Workshop sponsored by the Department of Philosophy, the Center for Cognitive Science, and the National Center for Geographic Information and Analysis of the University at Buffalo, April 18-19 ("The State as Work of Art: Theories of Space in Baroque Philosophy")
- Academic Freedom in Perspective, A Conference at Canisius College, April 25-26 ("Academic Freedom and Academic Responsibility")
- Annual Conference of the Society for Academic Freedom and Scholarship, University of Toronto (Keynote Speech: "The Open Society and Its New Multiculturalist Enemies")
- May 1997 Les Revues parlées, Centre Pompidou, Paris, May 22 ("Jargon philosophique ou Langage technique?")
- Sep 1997 La Philosophie autrichienne, Conference of the Centre Culturel International de Cerisy, Cerisy-la-Salle, France, September 3-10 ("Les Objets sociaux")
- Oct 1997 Postmodernism and the Sokal Affair, International Conference sponsored by the Department of Physics, University of Helsinki, October 1-2 (Debate with Alan Sokal)
- [Conference on Spatial Information Theory \(COSIT 1997\)](#), University of Pittsburgh, October 15-19 ("Fiat and Bona Fide Boundaries", with Achille Varzi)
- Annual Assembly, National Center for Geographic Information and Analysis, Buffalo ("Formal Ontology of Geographic Objects", with Achille Varzi)
- The Origins of Property, Conference organized in the Department of Philosophy, University at Buffalo ("Property and Sovereignty")
- Teaching Development Forum, University at Buffalo, October 20 ("On Teaching with a Debate Format")
- Geographic Information Systems and Political Redistricting: Social Groups, Representational Values, and Electoral Boundaries, Conference of the National Center for Geographic Information and Analysis, University at Buffalo, October 24-26 ("Bizarre Shapes")

Feb	1998	Cognition and Ontology, Zentrum für interdisziplinäre Forschung, Universität Bielefeld, February 23-26 ("Small Worlds: The Ecology of Cognition")
Apr	1998	A Symposium on Truth and Truth-Makers, University at Buffalo, April 11 ("Interesting Truth-Makers")
Jun	1998	<a href="#">International Conference on Formal Ontology in Information Systems (FOIS)</a> , Trento, sponsored by the Italian National Research Council, June 6-8 ("The Basic Tools of Formal Ontology" (Opening Keynote Address); "Ontological Tools for Geographic Representation" (with Roberto Casati and Achille Varzi)) Ontology of Fields. Research Meeting of the NSF Varenus Initiative, Bar Harbor, Maine, June 10-13 ("Basic Tools of Ontology")
Jul	1998	Australasian Association of Philosophy, Annual Conference, Sydney, July 12-17 ("Truthmaker Realism")
Aug	1998	Panel on the Philosophy of John Searle, World Congress of Philosophy, Boston ("Real Estate as Institutional Fact", with response by Professor Searle) Symposium on Technology and Communication, World Congress of Philosophy, Boston (Invited Talk: "The Genres of Philosophy")
Sep	1998	The World in Perspective, conference honoring the 90th birthday of Lewis H. Hahn, Southern Illinois University, Carbondale, IL, September 25-26 ("Context, Ontology and Perception") Carl Stumpf: Internationale Interdisziplinäre Fachkonferenz, University of Würzburg, September 30–October 3 ("From Stumpf to Iowa")
Oct	1998	The Self and the Other. International Conference of the Nordic Association for Semiotics, Oslo, October 29-31 (Plenary lecture: "The Cognitive Geometry of War")
Nov	1998	Spontaneous Orders: Austrian Economics, Philosophy, and Aesthetics, International Conference sponsored by the University of Copenhagen and the Carlsberg Academy, Copenhagen, Denmark, November 2-3 (Two plenary lectures: "The Ontology of Social Reality – From Carl Menger to John Searle" and "The Ecology of Social Reality – From Aristotle to Roger Barker") Center for Law and Ontology: A Symposium, University at Buffalo, November 20 ("Towards a Center for Law and Ontology")
Jan	1999	Bridging the Analytic-Continental Divide, Tel Aviv University, January 17-20 (" <a href="#">A Theory of Divides</a> ")
Feb	1999	Annual Meeting of the Husserl Circle, University of Memphis ("Husserlian Ecology")
Mar	1999	Philosophical Realism and the Central European Tradition, Fourth Matchette Foundation Symposium, University of Texas at Austin, March 26-29 ("Truth and Truthmaking", Symposium with David Armstrong)
Apr	1999	Annual Conference of the National Association of Scholars, Chicago ("The Construction of Social Reality", Debate with John R. Searle)
May	1999	Nature de l'expérience perceptive, CREA, Paris, May 28-29 ("Ecology", with Roberto Casati)
Aug	1999	Current Issues in Political Philosophy. <a href="#">19th International Wittgenstein Conference</a> , Kirchberg am Wechsel, Austria, August 15-21 ("Surrounding Space: Principles of Topological Ecology") International Congress of Logic, Methodology and Philosophy of Science, Cracow, August 20-26 ("Mereology, Topology, Ecology: A Formal Theory of Organism-Niche Relations") <a href="#">COSIT 1999–Conference on Spatial Information Theory</a> , Hamburg, Germany, August 26-29 ("Agglomerations" and "Ontology and Geographic Objects: An Empirical Study of Cognitive Categorization" (with David M. Mark and Barbara Tversky))
Oct	1999	The Last Days of the Human Race: Karl Kraus Symposium, University at Buffalo, October 16 ("Kraus and Serbia, Kraus and Weininger, Kraus and Women")
Nov	1999	The Metaphysics of Consciousness: David Chalmers' <i>The Conscious Mind</i> in Historical and Contemporary Perspective, University at Buffalo, November 5-6 ("The Environment of Mind")
Dec	1999	Analytic Philosophy at the Turn of the Millennium, University of Santiago de Compostella, December 1-4 ("On Analytic and Continental Philosophy: A Case Study in the Ontology of Ideas and Institutions") La Structure du Monde: objets, propriétés, états du choses, Colloque international de

		Philosophie de Grenoble, December 9-13 ("The Geography of Reality")
Mar	2000	Brain Death and Human Identity, Symposium, University of Hamburg ("Ontology and Identity")
Apr	2000	American Philosophical Association Pacific Division Meeting, Albuquerque, Invited Paper ("Truth in the Logical Investigations")
		Committee on International Cooperation, American Philosophical Association Pacific Division Meeting, Albuquerque, Invited Panel Session on Philosophy and the Internet ("On Philosophy on the Internet")
		Society for the Study of Husserl's Philosophy, American Philosophical Association Pacific Division Meeting, Albuquerque ("Formal Ontology in the Logical Investigations")
		Society for Philosophy and Geography, American Philosophical Association Pacific Division Meeting, Albuquerque ("On Setting into Relief: The Ontology and Cognition of Space")
May	2000	Writing the Austrian Traditions: A Conference on the Relations between Austrian Philosophy and Literature, University of Toronto ("Meinong and the Phantasy-Machine")
		Husserl's <i>Logische Untersuchungen</i> —A Centenary Conference, University of Copenhagen ("Grids")
		Kataster Symposium, Institut für Geoinformation und Landesvermessung, Technische Universität, Vienna ("Wie man eine Welt schafft: Eine Einführung in die Ontologie des Katasters")
Jun	2000	Ontologische Aspekte der Wissensrepräsentation, University of Leipzig ("Ontologie für Informatiker")
		Philosophie und Wissenschaft, University of Koblenz ("Kant, Husserl und die Physik")
Aug	2000	Rationality and Irrationality. <a href="#">23rd International Wittgenstein Conference</a> , Kirchberg, Austria ("The Chinese Rune Argument")
Sep	2000	Geographical Domain and Geographical Information Systems: Euro-Conference on Ontology and Epistemology for Spatial Data Standards, Sponsored by the European Commission, La Londe-les-Meures, September 22-27 (France), (Two Plenary Lectures: "Partitions" and "Mont Blanc, Lake Constance, Sakhalin Island: Gaps, Gluts and Vagueness")
Oct	2000	GIScience 2000: First International Conference on Geographic Information Science, Savannah, Georgia, October 28 (Opening Plenary Lecture: <a href="#">"Ontological Imperialism"</a> )
Feb	2001	Die Philosophie und die Wissenschaften: Beckers Überlegungen zur Begründung der Mathematik, Fernuniversität Hagen, February 2 ("Was heisst mathematische Existenz"?)
		Ontologische Aspekte der Wissensmodellierung. Workshop des Graduiertenkollegs Wissensrepräsentation, Universität Leipzig, February 12-13 ("Eine Lehre von Aufteilungen" and "Referenz als Projektion")
Mar	2001	The Metaphysical Society of America Annual Meeting, University at Buffalo. Categories, March 9-11 ("Carving up Reality: A Theory of Categories")
		Austrian Law and Economics: The Contributions of Adolf Reinach and Murray N. Rothbard, Ludwig von Mises Institute, Auburn, Alabama ("The <i>A Priori</i> Ontology of Social Reality")
		Austrian Scholars Conference, Ludwig von Mises Institute, Auburn, Alabama ("Searle's New Theory of Social Objects")
May	2001	Les Recherches Logiques d'Edmund Husserl: Origines et Posterite de la Phenomenologie, Université du Québec à Montréal and McGill University, May 28-30 ("Intentionality as Projection")
Jun	2001	Ontological Foundations for Geographic Information Science, Summer Assembly of the University Consortium for Geographic Information Science (UCGIS), Buffalo ("Ontology Good and Bad")
Jul	2001	The I in Geographic Information Science, Meeting on Fundamental Questions in GIScience organized by Keele University, Manchester ("A General Theory of Spatial and Non-Spatial Partitions")
Aug	2001	Wittgenstein and the Future of Philosophy: A Reassessment after 50 Years, <a href="#">24th International Wittgenstein Conference</a> , Kirchberg, Austria ("The Grain of Truth")
Sep	2001	<a href="#">Spatial Information Theory: Foundations of Geographic Information Science</a> , COSIT 2001, Morro Bay, California, September 20-23 ("True Grid", "A Taxonomy of Granular Partitions" (with Thomas Bittner), "Features, Objects, and Other Things: Ontological Distinctions in the

- Geographic Domain" (with David Mark and André Skupin)  
The Philosophy of a Free Society, Ludwig von Mises Institute, Auburn, Alabama, September 28-29 ("Capitalism and the Meaning of Life")
- Oct 2001 [Formal Ontology and Information Systems \(FOIS\)](#): Second International Conference, Ogunquit, Maine ("Granular Partitions and Vagueness" (with Thomas Bittner), "GOL—A General Ontological Language" (with Wolfgang Degen, Barbara Heller and Heinrich Herre)  
International Conference on Culture and Space, Quebec, Canada, October 19-20 ("Language, Maps and Other Cultural Artefacts")
- Nov 2001 European Union COST Action G9 on Modeling Real-Property Transactions, University of Bremen, Germany ("The Metaphysics of Real Estate and the Cadastre")  
Assessing Analytic Philosophy: Twentieth Century Analytic Philosophy in Retrospect 1900–2000, University at Buffalo, November 9-10 ("Response and Further Issues in Continental Analytic Philosophy")
- Dec 2001 New York Association of Scholars, New York, December 2 ("Academic Standards and the Meaning of Life")
- Apr 2002 Ontological Spring, Introductory Workshop in Ontology, Naumburg, Germany (Four talks: "What is Ontology", "Tools of Ontology: Parts, Wholes and Universals", "Partitions of Reality", "Ontology in Information Science: Its Glory and Its Misery")
- May 2002 Higher Education and Democracy in Peace and War. Tenth National Conference of the National Association of Scholars, Washington DC, March 31–June 2 ("After Relativism, What?")
- Jun 2002 Opening Lecture, Alexander von Humboldt Conference of Philosophers, Berlin, 19–20 June ("How to Test a Philosophical Theory Empirically")  
Physik, Information und Informationssysteme. Symposium of the Arnold-Sommerfeld-Gesellschaft and the University Leipzig, June 20-21 ("Quantentheorie—Kein Trost für Kantianer")
- Jul 2002 Between Data Science and Everyday Web Practice. Annual Conference of the Gesellschaft für Klassifikation, Universität Mannheim ("The Theory of Granular Partitions: A New Paradigm for Ontology")
- Aug 2002 Persons—An Interdisciplinary Approach, [25th International Wittgenstein Conference](#), Kirchberg, Austria, August 11-17 ("The Moral Significance of the Question When a Human Being Begins to Exist" and "The Metaphysics of Human Origins" (both with Daniel Cohnitz))  
MIE2002: 17th International Congress of the European Federation for Medical Informatics, Budapest, August 25-29 ("Understanding the Message: Linking Aristotelian Realism to Linguistic Functionalism", keynote lecture, co-authored with Werner Ceusters)
- Oct 2002 Ontologie Analitiche, Centro Interuniversitario di Ontologia Teorica e Applicata, Dipartimento di Filosofia, Università di Torino, October 24-26 ("The True™ Story")
- Nov 2002 Action-Oriented Approaches in Geographic Information Science, University of Maine, November 2-4 (Barry Smith and Pierre Grenon, "Ontology for Dynamic Entities")  
Formal Concepts, University of Geneva, November 22-25 ("The Cornucopia of Formal Relations")  
A New Research Agenda for Philosophy, Hungarian Academy of Sciences, November 29-30 ("The World as Database")
- Jan 2003 Properties, Modalities, and States of Affairs, University of Konstanz, January 24-25 ("Against Fantology: The Case of Properties")
- Feb 2003 Towards Intelligent Dictionaries? Seminar on Multilingual Terminography, Department of Applied Linguistics, Erasmus University, Brussels (Werner Ceusters and Barry Smith, "Ontology for Multilingual Terminography")
- Apr 2003 The Mystery of Capital and the Construction of Social Reality, University at Buffalo ("Searle and de Soto: The New Ontology of the Social World")  
Colloquium on Knowledge Management, Department of Language and Speech, Nijmegen University (Werner Ceusters and Barry Smith, "A Realist Ontology for Natural Language Understanding")  
Ontologia della proprietà intellettuale, Centro Interuniversitario di Ontologia Teorica e Applicata,



		Dipartimento di Filosofia, Università di Torino ("How to Rent a Car, and Why You Can't Rent a Person")
		6th AGILE Conference on GIScience (Annual Conference of the Association of Geographic Information Laboratories), Lyon, France, April 24-26 (David M. Mark, Andrew Turk, Barry Smith, Werner Kuhn: "Ontology, Semantics, Natural Language, and Information Systems: Methodological Implications of Cross-Linguistic Studies of Geographic Terms")
May	2003	<p>MIE 2003 (18th International Congress of the European Federation for Medical Information), St Malo, France (Opening Plenary Lecture: "Ontology, the Semantic Web, and the Unification of Medical Knowledge"), May 4-7, 2003.</p> <p>MIE 2003 (18th International Congress of the European Federation for Medical Information), St Malo, France (Werner Ceusters, Ignace Desimpel, Barry Smith, Stefan Schulz, "Using Cross-Lingual Information to Cope with Underspecification in Formal Ontologies")</p> <p>MIE 2003 (18th International Congress of the European Federation for Medical Information), St Malo, France (Werner Ceusters and Barry Smith, Workshop on Ontology for the Medical Domain)</p> <p>TEPR (Toward an Electronic Patient Record) 2003: Electronic Patient Management, 19th Annual Conference of the Medical Records Institute, San Antonio, Texas (Werner Ceusters and Barry Smith, "Ontology and Medical Terminology: Why Description Logics are not Enough", read by Werner Ceusters)</p> <p>Mobile Communication, 5th Annual Conference of the Society for Phenomenology and Media, Helsinki ("The Ecological Approach to Mobile Communication")</p> <p>Semantic Ontology—Ontological Semantics, University of Leipzig ("Ontology: Generalizing Davidsonian Semantics")</p> <p>Searle and the Ontology of Civilization, Center for Theoretical Studies, Charles University, Prague, Czech Republic ("<a href="#">On Free-Standing Y-Terms</a>", <a href="#">Audio</a>)</p>
Jun	2003	<p>Wissenschaftstheorie in Ökonomie und Wirtschaftsinformatik, University of Koblenz ("Vertrag, Vertrauen und Verbindlichkeit: Die Ontologie der menschlichen Interaktion")</p> <p>Workshop on Medical Ontology, Division of Medical Informatics, University of Geneva, June 27 ("Problems of Medical Ontology")</p>
Aug	2003	<p>International Congress on Logic, Methodology and Philosophy of Science, Oviedo, Spain ("Cognitive Science and Biomedical Informatics: From the Gene Ontology to the Unified Medical Language System")</p> <p>Symposium on Integrative BioInformatics, University of Bielefeld, August 4-5 ("Ontology assisted database integration", paper read by Jean-Luc Verscheide)</p>
Sep	2003	<p>International Spatial Cognition Summer Institute (ISCSI), Bad Zwischenahn, Germany (Tutorial and Workshop on "Ontology, Space and Language", with John Bateman)</p> <p>KI 2003: Annual Conference of the German Artificial Intelligence Society, Hamburg, Germany ("The Unified Medical Language System and the Gene Ontology" (with Anand Kumar))</p> <p>Reference Ontology and Application Ontology, Workshop at KI 2003: Annual Conference of the German Artificial Intelligence Society, Hamburg, Germany ("Reference Ontology, Application Ontology, Terminology Ontology")</p> <p><a href="#">Conference on Spatial Information Theory (COSIT 2003)</a>, Ittingen, Switzerland ("Layers: A New Approach to Locating Objects in Space" (with Maureen Donnelly))</p>
Oct	2003	Workshop on Ontologies in Medicine, CNR-ISTC and Laboratory for Applied Ontology Rome, October 8-9, 2003 ("Parts and Classes in Biomedical Ontology")
Nov	2003	Third International Meeting for Husserl Studies, Kyoto University ("Husserlian Ecology")
Jan	2004	Inaugural Meeting of the European Union Network of Excellence in Medical Informatics and Semantic Datamining, Linköping ("Challenges to Biomedical Ontology")
Mar	2004	International Workshop on Data Integration in the Life Sciences (DILS 2004), Leipzig ("On the Application of Formal Principles to Life Science Data: A Case Study in the Gene Ontology")
Apr	2004	International Joint Meeting of the European Centre for Medical Informatics, Statistics and Epidemiology (EuroMISE 2004), Prague ("A General Framework for Implementation of Clinical

		Guidelines by Healthcare Organizations")
May	2004	<a href="#">The Formal Architecture of the Gene Ontology</a> , Leipzig, May 28–29 (" <a href="#">Smart Terminologies through Ontological Principles (STOP!)</a> ")
Jun	2004	First International Workshop on Formal Biomedical Knowledge Representation (KR-MED 2004), Whistler, Canada ("Investigating Subsumption in DL-based Terminologies: A Case Study in SNOMED-CT") International Workshop on Holistic Epistemology and Action Theory, University of Leipzig ("Searle and De Soto – The New Ontology of the Social World")
Jul	2004	Husserl and the Historical Epistemology of the Sciences, Max Planck Institute for the History of Science, Berlin (" <a href="#">Formal Ontology and Biomedical Informatics: Aristotle, Darwin, Husserl</a> ") Tutorial in Ontology, Summer School of European Union Network of Excellence in Medical Informatics and Semantic Datamining, Balatonfüred, Hungary, July 4-6 ("Foundations of Ontology") Ontology Workshop, Summer School of the European Union Network of Excellence in Medical Informatics and Semantic Datamining, Balatonfüred, Hungary ("Anatomy and Time") Seventh Annual Bio-Ontologies Workshop, International Conference on Intelligent Systems for Molecular Biology, Glasgow ("Ontology and Biology")
Aug	2004	Analysis and Experience. <a href="#">27th International Wittgenstein Conference</a> , Kirchberg, Austria ("Forms of Life", Plenary Lecture; "Against Predicate Logic") Coling: The 20th International Conference on Computational Linguistics, University of Geneva, Switzerland ("The Unbearable Lightness of Biomedical Informatics", Keynote Lecture) Computerm 2004–3rd International Workshop on Computational Terminology, Geneva, Switzerland ("Dependence Relationships between Gene Ontology Terms based on TIGR Gene Product Annotations", with Anand Kumar and Christian Borgelt)
Sep	2004	Medinfo 2004, 7-11 September, San Francisco ("The Role of Foundational Relations in the Alignment of Biomedical Ontologies"; "Ontology-Based Error Detection in SNOMED-CT"; "Foundational Issues in Medical Ontology"; "Aspects of Ontology Creation") Logic, Ontology, Aesthetics: The Golden Age of Polish Philosophy, Université de Québec à Montréal and Concordia University, September 23-26 ("Biomereology: From Formal Ontology to Biomedical Ontology") GMDS Innsbruck ("Biomedizinische Ontologie in Saarbrücken", "Ontologie-basierte Qualitätssicherung medizinischer Terminologien", "Normalizing Medical Ontologies using Basic Formal Ontology")
Nov	2004	<a href="#">Formal Ontology and Information Systems (FOIS)</a> , Turin, Italy, November 3-6 ("Beyond Concepts", "Individuals, Universals and Collections", "The Ontology-Epistemology Divide", "A Formal Theory of Substances, Qualities, and Universals") Conference: Medicine and Metaphysics, University at Buffalo, November 13-14 ("Formal Ontology and Biomedical Informatics") Applied Ontology Colloquium, Ontology Works Incorporated, Odenton, MD, November 16 ("From Knowledge Representation to Reality Representation") Ontology: Interoperability of Patient Records and Biomedical Informatics, Belgian Ministry of Health and European Commission, Brussels, November 25 ("The Future of Clinical Bioinformatics: Overcoming Obstacles to Information Integration") Interdisciplinary Ontology Forum in Japan, Keio University, Tokyo, November 29–30 ("Ontology and Its Applications", keynote lecture)
Dec	2004	Truthmakers: Twenty Years After, Université Paul Cezanne, Aix-en-Provence, France, December 9-11 ("True Stories", with Jonathan Simon) Author Meets Critics Session on Harry Heft, <i>Ecological Psychology in Context</i> , American Philosophical Association Eastern Division Annual Conference, Boston, December 27-30 ("The Hole Story")
Jan	2005	The Theory of European Unification, Europa Institute, University of Saarbrücken, Germany, January 18 ("The Ontology of Unification")



Aspects of Mereotopology and Granularity in Bioontologies, University of Freiburg, Germany, January 21-22 ("Relations in Biological Ontologies")

Apr 2005 The Future of the UMLS Semantic Network. Workshop of the National Library of Medicine, National Institutes of Health, Bethesda MD, April 7-8, 2005 ("Semantic Network vs. Biomedical Ontology")

Mapping the Human Body, National Center for Ontological Research, Buffalo April 16–17 ("Wounded Knees")

Ontologies and Biomedical Informatics, Conference of the International Medical Informatics Association, Rome, April 29–May 2 ("New Desiderata for Biomedical Terminologies")

May 2005 Forum Engelberg, Luzern, Switzerland, May 21–24 ("Language and the Future of Biomedicine")

Ontology of Personal Memory, German Research Center for Artificial Intelligence, Saarbrücken ("The Ontologically Privileged Status of the Past": keynote address)

Universität am Schlossplatz, Volkshochschule Saarbrücken, May 29 ("Aristoteles und die Medizininformatik")

Jun 2005 E-CAP (European Computing and Philosophy), Mälardalen, Sweden, June 2–4 (Carl Linnaeus Lecture, "Biological Ontologies")

Bio-Ontologies Workshop, Intelligent Systems for Molecular Biology (ISMB 2005), Detroit, June 24 ("On the Proper Treatment of Pathologies in Biomedical Ontologies")

Jul 2005 European Centre for Ontological Research, Inaugural Meeting, Saarland University, Saarbrücken, July 27-28 ("Africa!")

Aug 2005 Medical Informatics Europe, Geneva, August 24-30 ("Wüsteria", "The Significance of SNODENT", "Tracking Referents in Electronic Healthcare Records")

Sep 2005 Conference on Spatial Information Theory, Ellicottville NY, September 15–17 ("Anatomical Information Science")

[Knowledge-Based Bioinformatics Workshop](#), FungalWeb, Montreal, September 21–23 ("Biomedical Ontologies: The Good, the Bad and the Ugly")

Oct 2005 Ontology and Taxonomy Coordinating Work Group Meeting, Mitre Corp., McLean, Virginia, October 5 ("The National Center for Ontological Research")

Ontolog Forum, October 13 ("[How to Do Things with Paper: The Ontology of Documents and the Technologies of Identification](#)")

American Medical Informatics Association Annual Conference, Washington DC, October 22–26 ("An Ontology-Based Methodology for the Migration of Biomedical Terminologies to Electronic Health Records", "Resolving ambiguities in current uses of the term 'concept'", "How to Distinguish Parthood from Location in Bioontologies" (with Stefan Schulz *et al.*), "A Strategy for Improving and Integrating Biomedical Ontologies" (with Cornelius Rosse *et al.*), "Ontology: The New Era" (Invited panel presentation)).

Inaugural Conference of the National Center for Ontological Research, University at Buffalo, October 27 ("The National Center for Ontological Research" : [Video](#))

Bio-Ontologies: Workshop of the Buffalo Center for Ontological Research, October 28 ("Symposium on the Gene Ontology" (with David Hill))

Nov 2005 Hegeler-Carus Foundation, La Salle, Illinois, November 4-6 ("*The Monist*, Monism, and the Future of Philosophy")

Ontolog Forum Panel on eGovernment-Related Ontology – Differentiation and Synergy, November 10 ("Five Steps to Interoperability")

Dec 2005 Quantities, Numbers, and Parts, Workshop of the Institute for Formal Ontology and Medical Information Science, Saarbrücken, December 1–2 ("The Ontology of Measurement")

Naturalisierung des Menschen, Humboldt-University, Berlin, December 2–4 ("Ontologie des menschlichen Körpers als Organismus")

Feb 2006 Fourth Semantic Interoperability for E-Government Conference, Mitre, McLean VA, February 9–10 ("HL7 RIM")

Functional Genomics Investigation Ontology (FuGO) Workshop, University of Pennsylvania, February 13–15 ("How to Build an Ontology").

Mar	2006	<p>Biomedical Informatics Research Network (BIRN) Ontology Workshop, National Center for Biomedical Ontology, Stanford University, March 1 ("Tutorial: Critical Review of BIRN Ontologies")</p> <p>Japanese Ontology Forum, Second Conference, March 10–11 (Keynote Speech: "How to Build an Ontology")</p> <p>Japanese Artificial Intelligence Society Annual Conference, March 10 ("Forming JCOR")</p> <p>Upper Ontology Summit, National Institute for Standards and Technology, Gaithersburg MD, March 14–15 ("<a href="#">Basic Formal Ontology</a>")</p> <p>Philosophical Aspects of Quantum Mechanics, Workshop of the Institute for Formal Ontology and Medical Information Science and the Department of Philosophy, Saarland University, March 15 ("Quantum Mechanics and Realism")</p> <p>Naturalisierung des Menschen, Humboldt-University, Berlin, March 17–19 ("Definitionen der Gesundheit")</p> <p>Ontology Workshop: Focus on Immunity, National Institute of Allergy and Infectious Disease, National Institutes of Health, Bethesda MD, March 21–22 ("Biomedical Ontologies: An Overview")</p> <p>Image Ontology Workshop, National Center for Biomedical Ontology, Stanford University, March 23–24 ("Principles of Ontology Design")</p> <p>St. Croix, Gene Ontology Consortium Annual Meeting, 30 March–April 2 (Invited Tutorial: "Principles of Biomedical Ontology Design")</p>
May	2006	<p>Philosophy and Informatics Conference, German Informatics Society, Saarbrücken, 3–4 May (Keynote Lecture: "Ontology and the Future of Biomedical Research")</p> <p>NCBO/OBO Consortium Workshop on PATO: The Phenotype Ontology, 17–20 May ("Towards a Single Hierarchy Phenotype Ontology")</p>
Jun	2006	<p>Workshop on Multi-Lingual Semantic Annotation: Theory and Applications, Saarland University, Saarbrücken, Germany, June 26–27 ("Pax Terminologica")</p>
Jul	2006	<p>Naturalisierung des Menschen, Humboldt-University, Berlin, July 13–14, 2006 ("Ontologie des menschlichen Lebewesens: Substanz und Funktion")</p> <p>Milanesiana, Teatro del Verme, Milan, July 16 ("Document Acts")</p> <p>National Centers for Biomedical Computing and National Institutes of Health, Bethesda, MD, July 17, 2006 ("Ontology: A Vision for the Future and Its Realization")</p> <p>Functional Genomics Investigation Ontology Workshop, European Bioinformatics Institute, Hinxton, Cambridge, UK, July 24–28, 2006 ("The OBO Foundry Principles", "Formal review of BFO and DOLCE", "The Need for an Investigation Ontology")</p>
Aug	2006	<p>Cultures: Conflict – Analysis – Dialog: 29th International Wittgenstein Conference, August 6–13 ("Document Acts" (plenary talk), "<a href="#">Ways of Worldmarking</a>")</p> <p>Medical Informatics Europe, Maastricht, Netherlands, August 27–30 ("HL7 RIM: An Incoherent Standard", "Referent Tracking: The Problem of Negative Findings" (with Werner Ceusters and Peter Elkin))</p>
Sep	2006	<p>Model Organism Anatomy Ontology, National Center for Biomedical Ontology, Seattle, September 8–9 ("Principles of Ontology Design")</p> <p><a href="#">EDV-Gerichtstag</a>, Saarland University, Saarbrücken, September 13 (Keynote lecture: "<a href="#">Die Ontologie des Dokuments</a>"; Workshop presentation "<a href="#">Ontologien: ein Überblick</a>")</p>
Oct	2006	<p>National Center for Biomedical Ontology and PharmGKB, Stanford University, October 25, 2006 ("How to Build an Ontology")</p> <p>The Philosophy of Biology, National Center for Ontological Research, Buffalo, October 28, 2006 ("On the Canonical Life")</p>
Nov	2006	<p>Disease Ontology, National Center for Biomedical Ontology, Baltimore, November 6–7, 2006 ("What a Disease Ontology is For")</p> <p><a href="#">Biomedical Ontology in Action</a> (KR-MED 2006), November 8, 2006, Baltimore, MD ("Towards a Reference Terminology for Ontology Research and Development")</p> <p><a href="#">Formal Ontology and Information Systems (2006)</a>, Johns Hopkins University, Baltimore, Nov 8–</p>

		10, 2006 ("Against Idiosyncrasy in Ontology Development")
		Biomedical Imaging Ontologies, Workshop, American Medical Informatics Association Annual Symposium, Washington DC, November 11, 2006 ("Ontology over Images")
		Genomics Knowledge Representation for Clinical Trials, Workshop, American Medical Informatics Association Annual Symposium, Washington DC, November 12, 2006 ("Towards an Ontology for Clinical Trials")
		Panel on the Future of HL7, American Medical Informatics Association Annual Symposium, Washington DC, November 14, 2006 ("HL7 RIM")
		NAS Conference, Boston, November 17-19, 2006 ("Legislation and the Academic Bill of Rights")
		Ontology for the Intelligence Community, Conference of the National Center for Ontological Research, Columbia, MD, November 30-December 1, 2006 ("Ontology: A Guide for the Intelligence Analyst"; "Ontology: A Strategy for the Future")
Dec	2006	Knowledge Environments for Biomedical Research, National Institutes of Health, Bethesda, December 12, 2006 ("The Virtuous Knowledge Environment Cycle")
		NIST / Ontolog Forum / NCOR Series on Ontology Measurement and Evaluation, December 21, 2006 (" <a href="#">Ontology Evaluation in Biomedicine</a> : The OBO Foundry Initiative")
		Society for Machines and Mentality, American Philosophical Association Eastern Division Meeting, December 28, 2006 ("Software and Other Cultural Artifacts")
Jan	2007	Ontology for Biomedical Investigations, La Jolla Institute for Allergy and Immunology, San Diego, January 29-February 2, 2007 ("The Clinical Trial Ontology")
Mar	2007	Towards Interoperability of Biomedical Ontologies, <a href="#">Dagstuhl Seminar</a> , March 25-29 ("Basic Formal Ontology")
Apr	2007	<a href="#">eHealth: From Strategies to Applications</a> , Messe Berlin, April 18, 2007 ("Referent Tracking: Towards Semantic Interoperability and Knowledge Sharing")
		Visual and Conceptual Structuring of Action-Dependent Knowledge Representation, April 19-20, Department of Philosophy and Heinz Nixdorf Institute, University of Paderborn, Germany ("Ontologie als konkretisierte Darstellungen der Wirklichkeit")
		<a href="#">Semantic Days</a> , Stavanger, Norway, April 24-25 ("The art of creating useful ontologies")
May	2007	<a href="#">Clinical Trial Ontology Workshop</a> , NCBO and National Heart, Lung and Blood Institute/NIH, Bethesda, MD, May 16-17, 2007 ("Clinical Trial Ontology: Creating Consensus")
Jun	2007	Sharing Knowledge through the ICF: 13th Annual North American WHO Collaborating Center Conference on the ICF, Niagara Falls, June 7, 2007 (Tutorial on Biomedical Ontologies)
		The Role of Service Oriented Architecture in Achieving Semantic and Technical Interoperability, IBM and German Ministry of Health, IBM Stuttgart, June 19 ("The role of ontologies and terminologies in electronic health services")
		European Union OPEN eHealth Initiative Working Meeting, Prague, June 26-28 ("Semantic Interoperability and the Provision of Patient Data for Cross-Border Emergency Care")
July	2007	Bio-Ontologies Workshop, Intelligent Systems for Molecular Biology (ISMB), Vienna, Austria, July 19, 2007 ("Gene Ontology Annotations: What they mean and where they come", with Judith Blake and David Hill).
Aug	2007	The EnvO Workshop: Developing an Ontology for Describing the Environments of organisms and Biological Samples, UK National Environment Research Council, OERC: Oxford e-Research Centre, UK, August 29-31 ("Introduction to Ontologies for Environmental Biology")
Oct	2007	<a href="#">Evolution of Semantic Systems</a> , Frege Center for Structural Sciences, University of Jena, Germany, October 5-6 ("Evolving Ontologies: The Future of Biomedical Informatics")
		The Metaphysics of Vectors, University of Geneva, Switzerland, October 20-21 ("How Philosophy of Science Can Help Biomedical Research")
		Methods and Metrics for Ontology Evaluation Workshop (Sponsors: NIST and NIH), National Institute of Standards and Technology, Gaithersburg, MD, October 25-26 ("Evaluation of Ontologies through an Editorial Process")
Nov	2007	Hegeler-Carus Foundation Advisors Meeting, LaSalle, IL, November 3-4 ("The Monist: Past, Present and Future")

		Environment Ontology, Cold Spring Harbor Laboratories, Long Island, NY, November 15-16 ("Development of the Environment Ontology")
		Ontology for the Intelligence Community, Columbia MD, November 28-29 (with T. Janssen, <i>et al.</i> , "A Multi-INT Geospatial and Temporal Semantic Reasoning Framework for Intelligence Analysis Support")
Dec	2007	Protein Ontology Kick-Off Meeting, Georgetown University, Washington DC, December 2-4, 2007 ("The Protein Ontology within the OBO Foundry").
Jan	2008	Ontology for Biomedical Investigations, British Columbia Cancer Foundation, Vancouver, Jan. 28-30 (OBI, the OBO Relation Ontology and the Information Ontology)
Feb	2008	<a href="#">Inaugural Conference of the Japanese Center for Ontological Research</a> , February 26-27 ("The Evaluation of Ontologies: Peer Review vs. Democratic Ranking").
Mar	2008	<a href="#">Ontology of Cellular Networks</a> , National Center for Biomedical Ontology, Newark, NJ, March 26-27 ("Introduction to Biomedical Ontology")
Apr	2008	Ontolog Forum-NIST-NCOR Ontology Summit, Gaithersburg, MD, April 28-29 ("Ontology Quality Control and Gatekeeping")
May	2008	The Organism-Environment System, Center for the Ecological Study of Perception and Action (CESPA), University of Connecticut, May 15 ("The Environment Ontology") <a href="#">The Relation Ontology</a> , School of Medicine, University of Colorado, Denver, May 19-20 ("The OBO Relation Ontology: Preliminaries")
Jun	2008	First Information Entity Ontology Workshop, Science Commons, MIT, Cambridge MA, June 9-10 ("What are Information Entities?") Evolutionary Biology and Ontologies. workshop organized as part of the Evolution 2008 Conference in the University of Minneapolis, MN on June 20, 2008 ("An Introduction to Ontology for Evolutionary Biology")
Jul	2008	First Open Biomedical Ontologies Foundry Summit, European Bioinformatics Institute, Hinxton, Cambridge, July 7-8 ("The OBO Foundry Principles") Ontology for Biomedical Investigations, European Bioinformatics Institute, Hinxton, Cambridge, July 9-11 ("BFO and the Relation Ontology").
Aug	2008	Seminário de Pesquisa em Ontologia no Brasil, August 11-12, Department of Information Science, Universidade Federal Fluminense, Brazil ("Ontology Science vs. Ontology Engineering: The Case of Biomedicine")
Sep	2008	Discrete Clinical Data Acquisition, Modeling, and Use, Cleveland Clinic Department of Cardiovascular Surgery, September 22 ("What's an Ontology and Why Do I Care?")
Oct	2008	epSOS Workshop on Semantic Services, German Institute for Medical Documentation and Information, Cologne, October 1 ("Ontology-Supported Semantic Services") <a href="#">Philosophy's Relevance in Information Science</a> , Heinz Nixdorf Institute, Paderborn, Germany, October 3-4 ("The Relevance of Ontology in Information Science")
Nov	2008	<a href="#">Formal Ontology in Information Systems (FOIS)</a> , Saarbrücken, Germany, 2-4 November ("Ontology (Science)") <a href="#">Second Annual Protein Ontology Meeting</a> , Georgetown University, Washington DC, November 18-19 ("PRO within the OBO Foundry"). Conference of the Congenital Heart Surgeons' Society, Sick Kids Hospital, Toronto, November 21 ("Ontology of Congenital Heart Disease")
Dec	2008	<a href="#">Ontology for the Intelligence Community</a> , George Mason University, December 3 ("Ontology for the Intelligence Community: A Strategy for the Future") Workshop on Approaches to Legal Ontologies, Department of Law, European University Institute, Florence, Italy, December 9 ("Legal Ontology: The Scientific Perspective") Jurix 2008: 21st International Conference on Legal Knowledge and Information Systems, University of Florence, Italy, December 10 ("How To Do Things With Documents")
Jan	2009	<a href="#">Second Evolutionary Biology and Ontologies Workshop</a> . Organized as part of the Annual Meeting of the Society for Integrative and Comparative Biology (SICB) in Boston, MA on January 5 ("What is Ontology and Why do you need it?")

Volkswagen Foundation, Berlin-Brandenburg Academy of Sciences, January 12-13 ("Humanities and the Natural Sciences")

Command and Control Core Ontology Exchange Meeting, National Center for Ontological Research and Army Net-Centric Data Strategy Center of Excellence, January 15-16

Buffalo NY ("Success Stories in Use of Ontologies: Examples from Biomedicine and Lessons Learned for the Command and Control Ontology")

Feb 2009 InterOntology: 2nd Interdisciplinary Ontology Conference, Keio University, Tokyo, February 27-March 1 ("How to Build an Ontology" and "Ontology: The Road to Coordination" (keynote lecture))

Mar 2009 [Ontolog-Forum Panel](#), March 12 ("How to Organize the World of Ontologies")

American Medical Informatics Association Translational Summit, San Francisco, March 15-17 ("Towards an Ontology of Disease and Diagnosis", with Richard Scheuermann)

International Association for Dental Research Consensus Workshop: Convergence on an Orofacial Pain Taxonomy, Miami, March 30-April 1 ("Ontology: Background and Rationale" (plenary lecture))

May 2009 epSOS Terminology Working Group, German Institute for Medical Documentation and Information, Cologne, May 20 ("epSOS Pilot Project in Semantic Interoperability")

Jun 2009 OBO Foundry Workshop, European Bioinformatics Institute, June 7-8, 2009 ("Reviews of OBO Foundry Ontologies")

EBI-Industry Group, European Bioinformatics Institute, Wellcome Trust Genome Campus, Hinxton, Cambridge, June 9 ("The OBO Foundry: Governance")

Workshop on the OBI Ontology for Biomedical Investigations, European Bioinformatics Institute, Wellcome Trust Genome Campus, Hinxton, Cambridge, June 10-11 ("The OBO Foundry: Requirements")

Ontology-Driven Semantic Interoperability in eHealth, European Commission Directorate General Information Society and Media, Brussels, June 22-23 ("Semantic Interoperability and Strategies for the Standardization of Medical Information: An epSOS Demonstrator Project")

Aug 2009 Concept Types and Frames in Language, Cognition and Science, University of Düsseldorf, August 24-26 ("The Relation Ontology")

Medical Informatics Europe, Sarajevo, Bosnia, August 29-September 2 ("Why are ontologies needed to achieve EHR interoperability?"; "An Evolutionary Approach to the Representation of Adverse Events", with Werner Ceusters, Maria Capolupo and Georges De Moor)

Sep 2009 Signs, Symptoms and Findings: Towards an Ontology for Clinical Phenotypes, Italian National Research Council Institute for Biomedical Technologies and University of Milan, September 4-5 ("BFO and Disease")

Plant Ontology Workshop, Cornell University, Ithaca, NY, September 14 ("Towards a Common Plant Ontology")

Performance Metrics for Intelligent Systems (PERMIS) Conference, September 21-23, National Institute of Standards and Technology (NIST), Gaithersburg, MD (with Lowell Vizenor, "Universal Core Semantic Layer: A Roadmap to Semantic Interoperability")

UCore Users Conference, Mitre Corp., McLean, VA, September 23-24 ("UCore Semantic Layer")

Conference on Ontology, North Carolina State University Logic and Cognitive Science Initiative (LACSI), September 25-26 ("[Towards a Common Upper Level Ontology](#)")

Oct 2009 IHTSDO Conference on SNOMED-CT, Bethesda, MD, October 8 ("Basic Formal Ontology")

Ontology for the Intelligence Community, George Mason University, Fairfax, VA, October 21-22 ("Universal Core Semantic Layer"; "Referent Tracking for Command and Control Messaging Systems")

Nov 2009 Ontolog Forum, November 5 ("Towards Ontology Certification")

Dec 2009 Pistoia Alliance Cross-Industry Vocabulary Workshop. Exploring Public-Private Partnership Models for Sustainable Pharmaceutical Vocabulary Services, December 2-3, Pfizer Technology Research Center, Cambridge MA ("The Pistoia Neurotoxicity Pilot")

2010 Ontology Summit Launch Event, December 10 ("Towards Ontology Certification: Meeting



		the Need for Trained Ontologists”)
Jan	2010	Disease Ontology, Northwestern University, Chicago, January 16-17 (“The Ontology for General Medical Science”)
Feb	2010	<a href="#">Ontology Summit 2010</a> , on-line panel session, February 11 (“A Template for Ontology Training Programs”) OBO Foundry Workshop, European Bioinformatics Institute, Wellcome Trust Genome Campus, Hinxton, February 15-16, 2010 (“The Disease Ontology”, “Basic Formal Ontology Version 2.0”) Pistoia Alliance Conference, European Bioinformatics Institute, Wellcome Trust Genome Campus, Hinxton, Cambridge, February 17-18 (“OBO Foundry: Recent Developments”)
Mar	2010	<a href="#">ARGOS</a> : Transatlantic Observatory for Meeting Global Health Policy Challenges through ICT-Enabled Solutions, Consortium Meeting, Barcelona, Spain, March 15 (with Werner Ceusters) <a href="#">Ontology Summit 2010</a> , National Institute for Standards and Technology (NIST), Gaithersburg, MD, March 15-16 (“What are we doing right, and what are we doing wrong, in ontology education”)
Apr	2010	<a href="#">First Paolo Bozzi Ontology Lecture, University of Turin</a> , April 15 (“ <a href="#">Towards a Theory of Document Acts</a> ”) Third Annual Protein Ontology Meeting, University of Delaware, April 26-28 (“The OBO Foundry in 2010”)
May	2010	FOIS Workshop on Ontology Education, University of Toronto, May 11 (“Creating a Common Body of Knowledge for the Discipline of Ontology”) <a href="#">Formal Ontology in Information Systems (FOIS)</a> , University of Toronto, May 12-15 (“Evaluating Ontologies” (with Mathias Brochhausen), “Dispositions and the Infectious Disease Ontology”, with Albert Goldfain and Lindsay Cowell) Open Toxicology (OpenTox) Consortium Virtual Meeting, May 13 (“Introduction to OBO Ontology Development”)
Jun	2010	International Workshop on Bio-Ontologies, Institute for Formal Ontology and Medical Information Science, Saarland University, Saarbrücken, Germany, June 28 (“Classification Then and Now”) <a href="#">La métaphysique appliqué</a> : Séminaire des Treilles, Fondations les Treilles, Tourtour, France, June 29-July 2 (“Applied Ontology” and “BFO and Disease”)
Aug	2010	<a href="#">Conference on Collective Intentionality VII</a> , August 23-26, Basel, Switzerland (“ <a href="#">New Foundations for Social Ontology</a> ” and “ <a href="#">Is Money a ‘Product of Massive Fantasy’?</a> ”)
Sep	2010	Joint Forces Command Next Generation Training Environment, Norfolk, VA, September 1 (“Coordination Management Process for Ontology-Based Information Integration”) <a href="#">Infectious Disease Ontology Workshop, 13th World Congress on Medical and Health Informatics (Medinfo 2010)</a> , Cape Town, South Africa, September 11, 2010 (“ <a href="#">IDO and the OBO Foundry</a> ”), <a href="#">13th World Congress on Medical and Health Informatics (Medinfo 2010)</a> , Cape Town, South Africa, September 13, 2010 (“ <a href="#">A Unified Framework for Biomedical Terminologies and Ontologies</a> ”, with Werner Ceusters)
Oct	2010	Joint Forces Command Live, Virtual, Constructive Architecture Framework (LVCAF), Virginia Modeling and Simulation Center (VMASC), Suffolk, VA, October 4 (“Ontology Development Best Practices”)
Nov	2010	<a href="#">Plant Ontology Workshop</a> , New York Botanical Gardens, Bronx, NY, November 5 (“BFO and the Plant Ontology”) <a href="#">Transatlantic Observatory for Meeting Global Health Policy Challenges through ICT-Enabled Solutions</a> , Argos Consortium Conference, Washington DC, November 12 (“Semantic Interoperability: Reuse of EHR Data”, with Werner Ceusters)
Feb	2011	Disease Ontology Workshop and Advisory Board Meeting, Institute for Genomic Sciences, University of Maryland, February 8-9 (“OGMS’ Spawn”) <a href="#">Ontology and Analytical Metaphysics</a> , Open Research Centre for Logic and Formal Ontology, Keio University, Tokyo, February 24-25 (“Materials Towards an Ontology of Pain”, “The Ontology of Documents”)
Mar	2011	National Center for Biomedical Ontology Project Meeting, March 1-3 (“Dissemination and

- Ontology Best Practices")
- Advancing Oral Health Worldwide, International Association for Dental Research General Meeting, San Diego, March 16 ("Development of the Field of Biomedical Ontology" and "Saliva Ontology: A Unique Controlled Vocabulary for Salivary Research")
- Apr 2011 [Jubileumsseminar Anders Grimsmo](#), Department of Public Health and General Practice, Norwegian University of Science and Technology, Trondheim, April 7 (Keynote speech, "Toward an Ontological Treatment of Disease and Diagnosis")
- EviCare Workshop on Ontology and the Representation of Clinical Guidelines, Department of Computer and Information Science, Norwegian University of Science and Technology, Trondheim, April 8 ("An Introduction to Biomedical Ontology")
- [Workshop on Ontology Driven Implementation of Semantic Services for the Enterprise Environment \(ODISSEE\)](#), sponsored by US Federal Government, Alion Science and Technology and the National Center for Ontological Research, Washington DC, April 12-13 ("Coordinated Development of Ontologies Across Diverse Communities of Interest")
- May 2011 [Ratio Conference on Metaphysics](#), Reading University, Reading, United Kingdom, May 7 ("Classifying Diseases")
- [ARGOS Transatlantic Observatory for Meeting Global Health Policy Challenges through ICT-Enabled Solutions](#), Budapest, Hungary, May 11 ("An Evolutionary Strategy for Incremental Realization of Genuine Semantic Interoperability in the EHR Domain")
- Jun 2011 Ontology-Based Research on Medicare/Medicaid Data, School of Pharmacy and Pharmaceutical Sciences, University at Buffalo and Department of Pharmacological Sciences, Stony Brook University, June 15 ("Biomedical Ontology in Buffalo")
- [How to Build Ontologies for Clinical and Translational Research, Department of Human Genetics, Emory University](#), June 29, 2011 ("Review of ONSTR: the Ontology for Newborn Screening Translational Research")
- Jul 2011 [International Conference on Biomedical Ontology \(ICBO\)](#), Buffalo, NY, July 28-30, 2011 ("Panel: Collaborative Ontology Development: Why? and How?")
- [Working with Multiple Biomedical Ontologies](#). Workshop organized in conjunction with the [International Conference on Biomedical Ontology \(ICBO\)](#), Buffalo, NY, July 26-27, 2011 ("Towards a Body Fluids Ontology: A Unified Application Ontology for Basic and Translational Science" and "Coordination of Multiple Biomedical Ontologies: Basic Methodological Principles")
- Sep 2011 [12th Genomic Standards Consortium Meeting](#) (GSC 12), Max Planck Institute for Marine Microbiology, Bremen, September 28-29 ("The World Wide Web Consortium (W3C)", "An Introduction to Ontology as a Strategy for Data Integration", "The Structure of the Environment Ontology")
- Nov 2011 [Research Data: Management, Access and Control](#), University Libraries, University at Buffalo, November 14 ("[Ontologies: What Librarians Need to Know](#)")
- Visual Learning Lab (VLL), Budapest University of Technology, November 3 ("How Vision Works" (remote presentation))
- [Semantic Technology for Intelligence, Defense and Security \(STIDS 2011\)](#), George Mason University, Fairfax, VA, November 16-17 ("[Integration of Intelligence Data through Semantic Enhancement](#)" (with David Salmen); "Semantic Enhancement for Data Retrieval and Integration in the Cloud")
- Jan 2012 What Are Artworks and How Do We Experience Them, Winter Symposium, Aarhus University, Denmark, January 26-28 ("The Emotion Ontology")
- Feb 2012 [Interdisciplinary Ontology Conference \(InterOntology12\)](#), Keio University, Tokyo, February 23 ("On Classifying Material Entities in Basic Formal Ontology")
- [Ontology for Big Systems](#), Ontology Summit 2012, on-line symposium, February 9 ("Big Data that would benefit from ontological technology")
- Mar 2012 [Financial Reference Data Management Conference \(FIMA 2012\)](#), New York, March 21 ("[Reference Data Integration: A Strategy for the Future](#)")



Gradualist Approaches to Health and Disease: Philosophical, Medical and Legal Perspectives, Humboldt University, Berlin, March 23-25 ("[Disease, and Other Clinical Natural Kinds](#)")

Apr 2012 [UK Ontology Network. Connecting the UK Ontology Community](#), University of Manchester, April 12 ("Looming Ontology Chaos")

Jun 2012 [Conference on Immunology Ontologies and Their Applications in Processing Clinical Data](#), National Center for Biomedical Ontology, Buffalo, NY. June 11-13 ("[Bio-Ontologies for Immunology Research: An Introduction](#)")

Jul 2012 [Towards an Ontology of Mental Functioning, ICBO Workshop](#), Medical University of Graz, Austria, July 22 ("[Mental Functioning and the Ontology of Language](#)")

[How to Deal with Sectarianism in Biomedical Ontologies](#), 3rd International Conference on Biomedical Ontology (ICBO), Medical University of Graz, Austria, July 23 ("What causes sectarianism in ontology development and how to alleviate it?")

Aug 2012 [Basic Formal Ontology 2.0 Preliminary Development Workshop](#), Center of Excellence in Bioinformatics and Life Sciences, National Center for Ontological Research. August 18-19 ("Main Features of BFO 2.0")

Sep 2012 [Genomic Standards Consortium 14th Annual Conference](#), Biocode Commons Hackathon, Oxford, September 18-20 ("Sample Ontology for Biodiversity Genomics", "Critical Review of EnvO 2.0")

Oct 2012 [Semantic Technology for Intelligence, Defense and Security](#) (STIDS), George Mason University, Fairfax, VA, October 23-25 ("Horizontal Integration of Warfighter Intelligence Data")

Nov 2012 [Austrian Thought at the Turn of the 20th Century](#), University of Texas, Arlington, TX, November 1-3 ("Ontology and the Austrian Tradition")

Dec 2012 [Visual Learning: Communication – Cognition – Curriculum](#), International Conference, Budapest University of Technology and Economics, December 7-8 ("[Diagrams and Time](#)" [Slides](#))

Briefing to Chief of Naval Operations Strategic Studies Group (SSG), Naval War College, Newport, RI, December 18 ("Towards Joint Doctrine for Military Informatics")

Feb 2013 [Building Ontologies to Meet Evaluation Criteria](#), Ontology Summit 2013, Session-04, February 7 ("Ontological Realism as a Strategy for Integrating Ontologies")

[Clinical and Translational Science Ontology Workshop](#), Orlando, FL, February 11-12 ("[Limning the CTSA Ontology Landscape](#)")

[Phenotype Ontology Research Coordination Network Summit](#), National Evolutionary Synthesis Center, Duke University, Durham, NC, February 24 ("On the Future of the Neuro Behavior Ontology and Its Relation to the Mental Functioning Ontology")

Apr 2013 [Ontologies for Information Integration](#), National Center for Ontological Research, Buffalo, NY, April 18 ("The Role of Ontology in the Era of Big (Military) Data")

May 2013 [Basic Formal Ontology 2.0 Development Workshop](#), National Center for Ontological Research, University at Buffalo, May 13 ("The BFO 2.0 Specification")

[PRO-PO-GO: Challenges of Ontology Coordination Across Organisms](#), Plant Ontology Consortium, Protein Ontology Consortium and National Center for Biomedical Ontology, Buffalo, NY, May 15-16 ("[Critique of the Phenotype Ontology and of the Trait Ontology](#)" and "[Species-Neutral vs. Multi-Species Ontology](#)")

[Information Systems and the Four-Category Ontology](#), University of Durham, May 21 ("[The Six Category Ontology: BFO and Its Applications](#)")

Talk About What You See: Objects, Colors, Sounds and Trajectories. Conference in Memory of Paolo Bozzi, University of Trento, Italy, May 30-31 ("Figure and Ground in Time", "Applications of Bozzi's Naïve Physics")

Jun 2013 Bioinformatics and Computational Biology in the Era of Big Data, University at Buffalo, June 6 ("Biomedical Ontology in Buffalo")

Jul 2013 [International Workshop on Definitions in Ontologies](#), co-located with the International Conference on Biomedical Ontology (ICBO), Montreal, Canada, July 7 (Keynote lecture: "An Introduction to the Logic of Definitions")

[International Conference on Biomedical Ontology \(ICBO\)](#), Montreal, Canada, July 8-9 (“Ontological-Based Annotation of Contextualized Vital Signs” (with Albert Goldfain); “What Constitutes a Result in Ontology Research?” (Panel); “Representing Disease Courses: An Application of the Neurological Disease Ontology to Multiple Sclerosis Typology” (Poster presentation))

Aug 2013 [Bioethics and the Philosophy of Medicine](#), PANTC Conference, University at Buffalo, August 2-3 (“Diseases, Diagnoses, Signs and Symptoms”)

Sep 2013 ImmPort Site Visit, NIAID Bioinformatics Integration Support Contract (BISC), Stanford University, September 3 (“Immune-Related Ontologies”)

[ImmPort Ontology Conference](#), NIAID Bioinformatics Integration Support Contract (BISC), Stanford University, September 4-5 (“A Debate on Strategies for Use of Ontologies in ImmPort” (with Alan Ruttenberg))

ImmPort External Advisory Board Meeting, NIAID, Bethesda, MD, September 12 (“The Rho Strategy for Empirical Testing of Ontology Methods”)

Rostock Symposium on [Systems Biology and Bioinformatics in Aging Research](#), Institute for Biostatistics and Informatics in Medicine and Ageing Research, Rostock, Germany, September 20-21 (Keynote address: “[Ontology of Aging and Death](#)”)

CUBRC – CMIF – NCOR Collaboration Meeting, CUBRC, Buffalo, 23 September (“Ontology Research and Opportunities”)

Oct 2013 NCBO SAB Meeting, Stanford, CA, October 1-2 (“NCOR Dissemination”)

[Training and Strategy for ImmPort Data Submitters](#), Rho Federal Systems Division, Chapel Hill, NC, October 9-10 (“A Practical Introduction to ImmPort and to NIH Mandates for Data Sharing and Reuse”, “Introduction to Allergy Ontology”)

[Philosophy of Emerging Media](#), College of Communication, Boston University, October 25-27 (“[Towards Emerging Media Science](#)” and “Media and Agency”)

Nov 2013 [Globalization and Documentality](#), Käte Hamburger Kolleg / Center for Advanced Study, University of Bonn, November 19 (on-line presentation: [Documents and Massive Social Agency](#))

[8th International Conference on Semantic Technologies for Intelligence, Defense, and Security](#) (STIDS 2013), George Mason University, Fairfax, VA, November 12-15 (“[IAO-Intel: An Ontology of Information Artifacts in the Intelligence Domain](#)”)

Jan 2014 [Big Data and Semantic Web Meet Applied Ontology, Ontology Summit 2014 Launch Event](#), January 14 (“Introduction on behalf of the National Center for Ontological Research”; on-line presentation)

Feb 2014 [Humanomics Research Centre Opening Seminar, University of Copenhagen](#), February 7, (“[The Philosophome: An Exercise in the Ontology of the Humanities](#)”)

Apr 2014 [Ontologie und Zeit](#), Saarland University, Saarbrücken, Germany, April 26 (“Eine Korrespondenztheorie von Graphen”)

[Philosophy of Medicine Seminar Series](#), King’s College, London, April 29 (“The Ontology of Disease”) [Video](#)

May 2014 [Consequences of Realism](#), Rome, May 4-6 (“[The Fifth Cycle of Philosophy](#)”)

HIMA Imaging Science Workshop, Pathology Informatics 2014, Pittsburgh May 13 (“[A Guide to Ontology for the Pathologist of the Future](#)”)

Jun 2014 [The Ends of Life – Deepening Reflections on Bioethical Issues at the Beginning and End of Life](#), Edmond J. Safra Center for Ethics, Tel Aviv University, Israel, June 8-10 (“[The Ontology of Aging and Death](#)”)

[Protein Ontology Workshop](#), Georgetown University, DC, June 19 (“[Introduction to the Relation Ontology](#)”)

[Ontology and Imaging Informatics](#), University at Buffalo, NY, June 23-25 (“Introduction to Ontology for Pathology Imaging”)

Aug 2014 [Bioethics and the Philosophy of Medicine](#), 2014 PANTC Conference, University at Buffalo, August 1-2 (“[Ontology of Aging](#)”)

- Clinical and Translational Science Ontology Group, August 12, Online Presentation on Imaging Ontologies
- [American Society of Mechanical Engineers \(ASME\) International Design Engineering Technical Conference and Computers and Information in Engineering \(IDETC/CIE\)](#), Buffalo, August 17-20 (Keynote Lecture, "[Ontological Engineering](#)")
- Sep 2014 [Inaugural Conference of the World Interdisciplinary Network for Institutional Research \(WINIR\)](#), Old Royal Naval College, Greenwich, London, September 12 (Keynote address: "[From Speech Acts to Document Acts: An Ontology of Institutions](#)").
- BISC Site Visit / External Advisory Board Meeting, Rockville, MD, September 18 ("The Role of Ontology in the ImmPort Project", on-line presentation)
- [Formal Ontology in Information Systems \(FOIS\)](#), Rio de Janeiro, September 21-25 ("[The Fifth Cycle of Philosophy: Eulogy for Nicola Guarino](#)"; "[Applying the Realism-Based Ontology-Versioning Method for Tracking Changes in the Basic Formal Ontology](#)", with Selja Seppälä)
- Oct 2014 [International Conference on Biomedical Ontology \(ICBO\), Houston, TX](#), October 8-11 (MedDRA technical workshop and panel; "Creating a MedDRA ontology"; NASA Panel, "The Ontology for General Medical Science"; Presentation: "[Data Wrangling Clinical Research Datasets using Ontology and Referent Tracking](#)", with Werner Ceusters; Lightning talk: "[Ontological Representation of CDC Active Bacterial Core Surveillance Case Reports](#)")
- [Truth, Image, Normativity](#), University of Cagliari, Sardinia, October 21-26 ("[The Division of Deontic Labor](#)")
- Nov 2014 [Semantic Technology for Intelligence, Defense and Security \(STIDS 2014\)](#), George Mason University, Fairfax, VA, November 18-20 ("A Computational Framework for Living Plan Specification, Execution and Evaluation" (with Erik Thomsen); "[An Ontological Approach to Territorial Disputes](#)" (with Neil Otte and Brian Donohue); Panel: Semantics for Collaboration ("[Collaboration Through Military Doctrine](#)")
- Leveraging Standards and Ontologies to Improve HIPC Data Submission and Analysis, National Institute of Allergy and Infectious Diseases (NIAID), Rockville, MD, November 19 ("[Leveraging Ontologies for Human Immunology Research](#)")
- Dec 2014 NCBO SAB Meeting, Stanford, CA, December 3 ("NCOR Dissemination"; Panel: "Lessons from the Past 10 Years")
- Feb 2015 United Nations Environment Program, New York, Feb 27-Mar 1, Senior Expert Meeting on Ontology of Indicators for Sustainable Development ("Environment Ontology and Ecosystems: Basic Examples")
- Mar 2015 Internet of Things: Toward Smart Networked Systems and Societies. Ontology Summit 2015. [Beyond Semantic Sensor Network Ontologies](#), March 5 ("[Ontology of Sensors: Some Examples from Biology](#)")
- Apr 2015 American Philosophical Association, Pacific Division Meeting, Vancouver, BC, Canada, April 2 ("[Towards an Ontology of Philosophy](#)")
- [Philosophy as Science: A Key Idea of the 19th Century](#), Utrecht, Netherlands, April 9 (Keynote address: "[Metaphysics after Darwin](#)")
- Advanced Defense Studies Institute, Italian Ministry of Defense, Rome, April 24 ("New Foundations for Military Ethics")
- May 2015 HIMA Imaging Science Workshop, Pathology Informatics 2015, Pittsburgh, May 5 ("[An Introduction to Biomedical Ontology for Imaging Informatics](#)")
- Briefing on "Ontology for Military Doctrine", Department of Defense Training and Doctrine Command (TRADOC), May 11, Pentagon, Washington, DC
- [The Role of Ontology in Big Cancer Data](#), National Cancer Institute, Bethesda, MD, May 12-13 ("[The Cancer Ontology Landscape](#)")
- United Nations Environment Programme, New York, May 16-18, Senior Expert Meeting on Ontology of Indicators for Sustainable Development ("The SDG Ontology Framework")
- [Medical Informatics Europe, Madrid, Spain](#), May 27-31 (Lecture: "Biomarkers in the Ontology for

General Medical Science"; Panel: "[Basic Formal Ontology Meets Critics](#)")

Jun 2015 Joint CUBRC / Air Force Research Laboratory, Wright Patterson Air Force Base IT Summit, June 25 ("BFO and the Joint Doctrine Formalization Initiative")

Jul 2015 Workshop on the Ontology of Chemistry, Department of Chemistry, University of Southampton, United Kingdom, July 20 ("Introduction to BFO and OBI"; "Building a Chemical Image Ontology")  
[Taking Pregnancy Seriously in Metaphysics: The Foetus and The Maternal Organism](#), University of Southampton, United Kingdom, July 21 ("[Embryontology](#)", [Video](#))

Aug 2015 International Conference on Biomedical Ontology (ICBO), Lisbon, Portugal, July 27-31 ("[Aboutness: Towards Foundations for the Information Artifact Ontology](#)" with Werner Ceusters)  
[Bioethics and Philosophy of Medicine](#), 2015 PANTC Conference, July 30-August 1 ("[The Emotion Ontology](#)", "[Video](#)")  
 INCITS/DM32.8 Meeting, August 24 ("[On the Need for a Common Standard Upper Ontology](#)")  
 Air Force Research Lab – Navy Distributed Operations Summit, August 26 ("[Joint Ontology](#)")  
[Federal Big Data Working Group](#) (on-line presentation), August 31 ("[Building Ontologies with Basic Formal Ontology](#)")

Sep 2015 Briefing to Joint Doctrine Staff, Pentagon, September 4 ("Joint Doctrine Ontology")  
[Information Meeting on Joint Doctrine Ontology](#), Multi-Agency Collaborative Environment (MACE) Center, Herndon, VA, September 16-17 ("Addressing DoD information and coordination needs")  
 BISC Site Visit / External Advisory Board Meeting, University of California at San Francisco, CA, September 18 ("ImmPort Ontology Update")  
[Ontology in Practice: Fourth Clinical and Translational Science Ontology Workshop](#), Charleston, SC, September 23-25 ("[FHIR and Ontology](#)")

Oct 2015 [HelsIT: Health Information Technology](#), Trondheim, Norway, October 20 (Keynote lecture: "[The Glory and Misery of Electronic Health Records](#)")

Nov 2015 [Symposium on Military Codes of Ethics](#), University at Buffalo, November 2 ("Building an Ethical Warfighter")  
[Planteome Curation Workshop: Ontology Curation and Data Annotation](#), Oregon State University, Corvallis, November 9-10 ("What do plant scientists need ontologies for?" and "Trait Ontology: Introductory discussion")  
 International Standards Organization (ISO) Committee on MetaData Standards, National Cancer Institute, Bethesda, MD, November 18 ("Common Ontology Standards")  
[Semantic Technology for Intelligence, Defense and Security](#) (STIDS 2015), George Mason University, Fairfax, VA, November 18-20 ("Joint Doctrine Ontology: A Benchmark for Military Information Systems Interoperability")  
 56th Joint Doctrine Planning Conference, Joint Warfighting Center, Suffolk, VA, November 5 ("Joint Doctrine Ontology: Interim Report")

Dec 2015 Digital Thread / Digital Twin Applications for Next Generation and Legacy Aerospace Systems and Engines, Kick-Off Meeting, Wright Brothers Institute, Dayton, OH, December 4 ("Ontology Development for Air Force Logistics")  
[Federal Big Data Working Group](#) (on-line presentation), December 7 ("[Joint Doctrine Ontology](#)")

Jan 2016 [KAUST Research Conference on Computational and Experimental Interfaces of Big Data and Biotechnology](#), King Abdullah University of Science and Technology, Thuwal, Saudi Arabia, Jan 25-27 ("[The Glory and Misery of Electronic Health Records](#)")

Feb 2016 [Workshop on BFO and the Ontology of Deontic Entities](#), University of Florida School of Medicine, Gainesville, FL, February 17-19 ("[Developing a Framework of Ontologies for Social Entities](#)")

Apr 2016 [Completing the Model Based Development](#), Digital Manufacturing and Design Innovation Institute (DMDII) Technical Interchange Meeting, National Institute of Standards and Technology (NIST), Gaithersburg, April 11 ("[Coordinated Holistic Alignment of Manufacturing Processes \(CHAMP\)](#)")

May 2016 [Ontological Approaches to Sensor Data Analysis](#), National Center for Geographic Information and Analysis, Buffalo, NY, May 19-20 ("The Ontology of Sensors: A Critical Overview")

Jun 2016 57th Joint Doctrine Planning Conference, Joint Warfighting Center, Suffolk, VA, June 1-2 ("Joint Doctrine Ontology: Progress Report")  
International Standards Organization (ISO/IEC JTC 1/SC 32/WG 2), Memphis, TN, June 14-15 ("Basic Formal Ontology: New Work Item Proposal")

Jul 2016 [Perspectives on Deontology from Early Phenomenology and Contemporary Philosophy. Workshop with Barry Smith](#), University of Geneva, July 6, 2016 ("[Deontology Ontology: Towards an Ontology of Deontic Entities](#)") [Video](#)  
[9th International Conference on Formal Ontology in Information Systems](#) (FOIS 2016), Annecy, France, July 6-9 ("The Functions of Definitions in Ontologies", with Selja Seppälä and Alan Ruttenberg; "[Permanent Generic Relatedness and Silent Change](#)", with Niels Grewe and Ludger Jansen [winner of FOIS/IAOA Ontology Competition])  
[Bioethics and the Philosophy of Medicine](#), PANTC Conference, University at Buffalo, July 30 ("[The Metaphysics of the Embryo](#)")

Aug 2016 [International Conference on Biological Ontology](#), Corvallis, OR, August 1-4 ("[The Ontology of the Organigram](#)", "[The United Nations Environment Program Sustainable Development Goals Ontology](#)", Panel: The Future of Ontology)  
Addressing the Big Data Challenges of Pathology Imaging through Biomedical Ontology, National Cancer Institute, August 15 ("Ontology and Quantitative Histopathology", with Alan Ruttenberg)

Sep 2016 [Clinical Terminology Shock and Awe](#), University at Buffalo, September 7-8 ("Clinical Terminology: Shock and Awe")  
[Turbine Engine Technology Symposium](#) (TETS), Wright-Patterson AFB, Dayton, OH, September 12 ("Propulsion Digital Thread/Digital Twin Spiral 0.1: Use of Ontology in Digital Thread")

Oct 2016 Intelligence Support to Command and Control Working Group (ISC2WG), Pentagon (JS, J6 and J2), October 12 ("Joint Doctrine Ontology")  
Top-Level Ontologies, UB Ontology Group, October 21 ("Proposed ISO Top Level Ontology Standard")  
[Big Data – Herausforderung für Wissenschaft und Gesellschaft](#), ZiF Zentrum for interdisziplinäre Forschung, Universität Bielefeld, October 25 ("[Die Datenwelt von Morgen](#)") ([Video](#))  
[Normative Drawings and Deontic Artifacts](#), University of Cagliari, Sardinia, October 27-28, 2016 ("[The Ontology of the Organigram](#)") ([Video](#))

Nov 2016 International Standards Organization (ISO) Committee on Metadata Standards, Oxford, UK, November 10 ("Proposed Top Level Ontology Standard Parts 1 and 2")

Dec 2016 [First Industrial Ontology Foundry Workshop](#), Systems Integration Division, National Institute of Standards and Technology (NIST), Gaithersburg, MD, December 8 ("[How to Build the Industry Ontology Foundry](#)", "[Draft of a Product Lifecycle Management Ontology](#)" (with Dimitris Kiritsis))

Feb 2017 [The Metaphysics of Quantities](#), Istituto di Studi Filosofici, Facoltà di Teologia di Lugano, February 2-3 ("[Quantities as Fiat Universals](#)") ([Video](#))  
[FOUST Workshop on Foundational Ontologies](#), Bolzano, February 27-28 ("[Basic Formal Ontology: An Overview](#)" [Video](#))

Apr 2017 [Second Industry Ontology Foundry Workshop](#), National Institute of Standards and Technology (NIST), Gaithersburg, MD, April 10-11 (Panel presentation: "[Comparing Upper Level Ontologies](#)")

May 2017 [Ontology Summit 2017 Symposium](#), National Institute for Standards and Technology (NIST), Gaithersburg, MD, May 15-16 (Keynote address: "[The Industry Ontology Foundry](#)")

Jun 2017 [Franz Brentano Centenary 1838–1917](#), University of Vienna, June 1 ("[Four Phases of Philosophy and Its Present State](#)")  
International Standards Organization (ISO) Committee (JTC1/SC32/WG2) on Metadata Standards, Okayama, Japan, June 20 ("Draft Top-Level Ontology Standard, Parts 1 and 2")



Jul 2017 [Romanell Conference 2017: Personal Identity and Our Origins](#), University at Buffalo, July 28-29 ("Personae")

Aug 2017 [A Strategy for Promoting Data Interoperability Across the Enterprise](#), workshop organized as part of the ASME 2017 International Design Engineering Technical Conferences (IDETC) and Computers & Information in Engineering Conference (CIE) (IDETC/CIE). Cleveland, OH, August 6 (["Introduction to BFO and the Industry Ontologies Foundry"](#), [Video](#))

Aug 2017 [IAOA Summer Institute on Upper Ontologies](#), University of Toronto, August 8-11 (["Why do we need upper-level ontologies?"](#), ["Relationships between upper-level ontologies"](#), [Slides](#))

Sep 2017 [Second Workshop on Representing Social and Legal Entities in the Biomedical Domain](#), International Conference on Biomedical Ontology (ICBO), Newcastle, UK, September 13 (Keynote lecture on ["Functions, Dispositions and Capabilities"](#), [Video](#))

[Nankai University Workshop on the Philosophy of Economics and the Social Sciences](#), Tianjin, P.R. China, September 25-26 (["Goods vs. Services: An Ontological Exploration"](#), [Video](#))

[Journées sur l'Interopérabilité des Applications d'entreprise](#) (JIAE), conference of the Virtual Interoperability Lab, September 28-29 (["The Vision of the Industry Ontologies Foundry"](#))

Oct 2017 [3rd Big Data Interagency Working Group \(BDIWG\) Workshop on an Open Knowledge Networks: Enabling the Community to Build the Network](#), National Institutes of Health, Bethesda, MD, October 4-5 (["Manufacturing 1"](#), ["Manufacturing 2"](#))

ASM International, Materials Properties Database Committee, Pennsylvania, PA, October 8 (["Introduction to the Industry Ontologies Foundry"](#), on-line presentation)

[Protein Ontology Consortium Workshop 2017](#), Bar Harbor, MN, October 11-12 ("How To Define 'Causally Upstream Of'")

[Microbiology for the CTSA: Ontological Approaches](#): Sixth Clinical and Translational Science Ontology Workshop, University of Michigan, Ann Arbor, October 24-25 ("Building a Microbiome Ontology")

Nov 2017 [European Materials Modelling Council \(EMMC\) Workshop on Interoperability in Materials Modelling](#), St John's Innovation Centre, Cambridge, UK, 7-8 November (["Introduction to the Industry Ontologies Foundry"](#))

International Standards Organization (ISO) Committee on MetaData Standards, University of Colorado, Anschutz, OR, November 28 ("ISO NWIP: Top-Level Ontologies")

Apr 2018 Boston Phenomenological Circle Symposium, Boston College and Boston University, April 13-14 (["The Ontology of Emotions"](#), [Video](#))

[Capabilities: Human and Machine](#), Workshop, University at Buffalo School of Engineering and Applied Sciences, April 20 (["What are Capabilities?"](#), [Video](#))

Medical Informatics Europe (MIE 2018), April 23-26 Gothenburg ("Bruxism", with Werner Ceusters)

[Metaphysics and Formal Ontology](#), Dynamis: Finnish Network of Metaphysics, Tampere, April 27 (Keynote Lecture, ["Driverless Philosophy"](#) [Video](#))

May 2018 Ontology Summit 2018, NIST, Washington DC, May 1 ("The Great Debate: John Sowa vs. Barry Smith", [Video of BS contribution](#), [Audio of Entire Debate](#), [Audio of closing exchanges](#))

Jun 2018 [Society for Automotive Engineers Automated and Connected Vehicle Systems Testing Symposium](#), June 20-21, 2018 Hosted by Clemson University – International Center for Automotive Research (CU-ICAR) Carroll A. Campbell Jr. Graduate Engineering Center, 5 Research Dr, Greenville, SC 29607 (Keynote Lecture: ["Ontology: Tool for Broad Spectrum Knowledge Integration"](#) [Video](#))

Jul 2018 Industrial Ontologies Foundry Workshop, Buffalo, July 18-19 ("The Industrial Ontologies Foundry: Introduction", "Diversity of ontologies inside and outside the IOF")

Navy Model-Based Systems Engineering Transformation Technical Interchange Meeting, San Diego, July 25-26 ("Ontology for Systems Engineering")

[Romanell Philosophy of Medicine and Bioethics Conference 2018](#), University at Buffalo, July 28-29 ("Capabilities")

Aug	2018	256th, <a href="#">American Chemical Society National Meeting</a> (Invited lecture: "Big Chemistry Data")
Sep	2018	<a href="#">Navy SYSCOM and DoD Ontology Workshop</a> , Engility, Washington DC, September 18-19 ("Ontology and the Navy SYSCOMs Systems Engineering Transformation Process")
Oct	2018	DOCAM Conference: Annual Meeting of the Document Academy, Turin, October 4-6 (Keynote Lecture: " <a href="#">Documentome</a> ")
Nov	2018	The Philosophy of Achille Varzi on the Occasion of His Un-Birthday, November 5, Department of Philosophy, University of Milan ("Some Neglected Parts") International Standards Organization (ISO) Committee (JTC1/SC32/WG2) on Metadata Standards, Sendai, Japan, November 9 ("ISO/IEC 21838")
Feb	2019	<a href="#">International Industrial Ontologies</a> , Det Norske Veritas, Oslo, Norway, February 4-7, 2019 (" <a href="#">Industrial Ontologies Foundry: An open, shared reference ontology framework</a> " <a href="#">Video</a> ) <a href="#">Ontology for Precision Medicine: From Genomes to Public Health</a> , Orlando, FL February 20-21 ("The Mental Functioning Ontology")
May	2019	<a href="#">The Ontology of Economics: Capital, Exchanges and Preferences</a> , Institute of Philosophy, University of Neuchâtel. May 8 (" <a href="#">The Ontology of Human Capital</a> ")
Jul	2019	<a href="#">Romanell Summer Conference on Death, Disease, and Identity</a> , University at Buffalo, NY July 25-27 (" <a href="#">Minds made of Software vs. Minds made of Flesh</a> ") <a href="#">International Conference on Biomedical Ontology</a> (ICBO), University at Buffalo, Buffalo NY, July 30 ("Foundations for a Realist Ontology of Cognitive Processes", with D. Kasmier and D. Limbaugh; "Warranted Diagnosis", with D. Limbaugh and W. Ceusters; "Mental Capabilities", with E. Merrell, D. Limbaugh and A. Anderson) <a href="#">International Conference on Biomedical Ontology</a> (ICBO), University at Buffalo, Buffalo NY, August 1 (Keynote: " <a href="#">Identity and Immortality</a> " ( <a href="#">Video</a> ); " <a href="#">Ontology as Product-Service System: A Study of GO, BFO and DOLCE</a> " ( <a href="#">Video</a> ); Panel on Opportunities for collaboration between the OBO Foundry community and SNOMED)
Aug	2019	<a href="#">25th International Conference on Production Research — Manufacturing Innovation: Cyber Physical Manufacturing</a> , Chicago, August 13 (Keynote: " <a href="#">What is a Cyber-Physical System?</a> ")
Sep	2019	Joint Ontologies Workshop (JOWO) 2019, Graz, Austria, September 23-25 ("A First-Order Logic Formalization of the Industrial Ontology Foundry Signature Using Basic Formal Ontology", "Toward an Ontology of Commercial Exchange")

## WORKSHOPS AND CONFERENCES ORGANIZED

Mar	1977	<a href="#">Senses, Propositions, and States of Affairs</a> , Department of Philosophy, University of Sheffield, March 4-5
Jun	1977	<a href="#">Hegel and Husserl Workshop</a> , Department of Philosophy, University of Warwick, June 2-3
Dec	1977	<a href="#">Ontology and the Philosophy of Number</a> , Seminar for Austro-German Philosophy and Department of Philosophy, University of Sheffield, England, December 2-3
Jan	1978	<a href="#">Wittgenstein and the Background of Austro-German Philosophy</a> , Seminar for Austro-German Philosophy and Department of Philosophy, University of Sheffield, England, January 21-22
Feb	1978	<a href="#">Colloquium</a> , Seminar for Austro-German Philosophy and Department of Philosophy, University of Sheffield, England, February 10-12
Mar	1978	<a href="#">The Philosophy, Literature and Arts of Austria-Hungary</a> , Seminar for Austro-German Philosophy in Conjunction with the Institute of Contemporary Arts, London, March 11
Apr	1978	<a href="#">Diverse Approaches to the Theory of Language, Seminar for Austro-German Philosophy and Department of Philosophy</a> , University of Sheffield, England, April 7-8
May	1978	<a href="#">Whole-Part Theory and the History of Logic</a> , Seminar for Austro-German Philosophy and Department of Philosophy, University of Sheffield, England, May 12-13
Jul	1978	<a href="#">Kant and Husserl: Varieties of Idealism</a> , Seminar for Austro-German Philosophy and Department of Philosophy, University of Sheffield, England, July 1-2
Sep	1978	<a href="#">Psychology, Logic and Ontology</a> , Seminar for Austro-German Philosophy and Department of



		Philosophy, University of Sheffield, England, September 29-30
Nov	1978	<a href="#">Phenomenology and Value Theory</a> , Seminar for Austro-German Philosophy and Department of Philosophy, University of Sheffield, England, November 24-25
Jan	1979	<a href="#">Origins of the Twentieth Century</a> , Seminar for Austro-German Philosophy and Department of Philosophy, University of Sheffield, England, January 27-28
May	1979	<a href="#">Phenomenology and Social Rules</a> , Seminar for Austro-German Philosophy and Department of Philosophy, University of Sheffield, England, May 4-5
Jun	1979	<a href="#">On Austrian Methodology</a> , Seminar for Austro-German Philosophy and Department of Philosophy, University of Sheffield, England, June 1-2
Jul	1979	<a href="#">Men Without Qualities: Philosophy and Literature in Austria and Germany</a> , Seminar for Austro-German Philosophy and the Institute of Contemporary Arts, London, July 7-8
Nov	1979	<a href="#">Human Action and the Social Sciences</a> , Seminar for Austro-German Philosophy and Department of Philosophy, University of Sheffield, England, November 10-11
Dec	1979	<a href="#">Grammar and the Begriffsschrift: A Centenary Celebration</a> , Seminar for Austro-German Philosophy, Bedford College, London, December 15-16
Feb	1980	<a href="#">Formal Logic and Formal Ontology in Husserl's Logical Investigations</a> , Seminar for Austro-German Philosophy and the Higher Institute of Philosophy, University of Louvain, Belgium, February 2-3 (Peter Simons and Barry Smith, "Synthetic A Priori Structures")
Apr	1980	<a href="#">Austrian Philosophy and Austrian Politics</a> , Seminar for Austro-German Philosophy, the Carl Menger Society, and the Institute of Contemporary Arts, London, April 26-27
May	1980	<a href="#">Meaning and Structure</a> , Seminar for Austro-German Philosophy and Department of Philosophy, University of Manchester, May 17-18
Nov	1980	A Seminar on the History of Logic, Seminar for Austro-German Philosophy and Department of Philosophy, University of Manchester, November 22-23
Jan	1981	<a href="#">A Symposium to Mark the Centenary of the First Edition of Kant's Critique of Pure Reason</a> , Seminar for Austro-German Philosophy and the Northern Association for Philosophy, Manchester, January 31.
Mar	1981	<a href="#">Phenomenology and its Applications</a> , Seminar for Austro-German Philosophy, University of Edinburgh, March 6-7
May	1981	<a href="#">Objects of Thoughts</a> , Seminar for Austro-German Philosophy, Queen's College, London, 23-24 May
Jun	1981	<a href="#">Leibniz, Bolzano und die neue Ontologie</a> , Seminar for Austro-German Philosophy and Institut für Philosophie, University of Salzburg, June 6-7
Feb	1982	<a href="#">Formal Ontologies</a> , Seminar for Austro-German Philosophy and Department of Philosophy, University of Manchester, February 5-6
Mar	1982	<a href="#">The Austro-German/Scottish Axis</a> , Seminar for Austro-German Philosophy and Department of Philosophy, University of Edinburgh, March 18-20 ("Relations of Ideas and A Priori Structures: Material Ontology from Hume to Husserl")
Jun	1982	<a href="#">Intentionalität als objektiver Bezug: Die Philosophie von Roderick M. Chisholm</a> , Seminar for Austro-German Philosophy and Institut für Philosophie, University of Salzburg, June 10-11 ("Intentionality, and Related Matters")
Aug	1982	<a href="#">Ehrenfels-Konferenz</a> , Seminar for Austro-German Philosophy, sponsored by the Niederösterreichische Landesregierung, Schloss Lichtenau, Lower Austria, August 31-September 3
Jan	1983	<a href="#">Acts, Actions and Accidents</a> , Seminar for Austro-German Philosophy and Bochum Cognitive Science Group, University of Bochum, January 7-8 ("Intentionality and the Theory of Relations")
Feb	1983	<a href="#">Realism and the Philosophy of Science</a> , Seminar for Austro-German Philosophy and Northern Association for Philosophy, Manchester Polytechnic, February 25-26 (Jeremy Shearmur and Barry Smith, "Dialogues Concerning Naturalistic Realism")
Dec	1983	<a href="#">Symposium Adolf Reinach</a> , Seminar for Austro-German Philosophy and Centrale Interfaculteit, University of Utrecht, December 9
Jun	1984	<a href="#">Foundations of Cognitive Psychology: The Work of Köhler, Selz and Lewin</a> , Symposium of the

		Werner Reimers-Stiftung and the Seminar for Austro-German Philosophy, Bad Homburg, Germany, June 18-20
Dec	1984	<a href="#">Zur Philosophie und Sprachtheorie Anton Marty</a> , Seminar for Austro-German Philosophy and University of Fribourg, Switzerland, December 7-9
May	1985	<a href="#">Phenomenology and Gestalt Theory. The History and Contemporary Relevance of Formal Ontology</a> , Seminar for Austro-German Philosophy and Ecole des Hautes Etudes en Sciences Sociales, Paris, May 2-6 <a href="#">Symposium: Aspects of Continuity</a> , Seminar for Austro-German Philosophy, University of Manchester, May 10-11 ("What is a Boundary?")
Aug	1985	<a href="#">Kunstgefühl, Sprachgefühl, Rechtsgefühl: Zum Problem des praktischen Wissens</a> , Seminar for Austro-German Philosophy and Forschungsstelle für Österreichische Philosophie, Schloss Lichtenau, Lower Austria, August 26-27
Dec	1985	<a href="#">Symposium Alexander Pfänder</a> , Seminar for Austro-German Philosophy and Centrale Interfaculteit, University of Utrecht, December 13
Nov	1986	<a href="#">100 Years of Polish Philosophy: An International Conference</a> , Seminar for Austro-German Philosophy, University of Manchester, November 14-15
Mar	1989	Computer und Bildung. Praktische und theoretische Aspekte, International Academy for Philosophie, Schaan, Liechtenstein, March 31, 1989
Mar	1992	Philosophy and Political Change in Eastern Europe, Monist Colloquium sponsored by the Bradley and Soros Foundations in the Hungarian Academy of Sciences, Budapest
Feb	1993	<a href="#">European Philosophy and the American Academy</a> , The Second Monist Colloquium, held at Wingspread, Wisconsin, February 12-14, 1993
Aug	1993	<a href="#">Philosophy and the Cognitive Sciences</a> , <a href="#">16th International Wittgenstein Conference</a> , Kirchberg am Wechsel, Austria.
Jul	1994	<a href="#">First International Summer Institute in Cognitive Science (FISI-CS)</a> , University at Buffalo, July 5-30 (Co-Director, with Robert Van Valin). <a href="#">Topological Foundations of Cognitive Science</a> , Workshop organized as part of <a href="#">FISI-CS</a> , Buffalo
Apr	1997	<a href="#">History of the Concepts of Space</a> , Workshop sponsored by the Department of Philosophy, the Center for Cognitive Science, and the National Center for Geographic Information and Analysis of the University at Buffalo Academic Freedom in Perspective. A Conference at Canisius College, Buffalo, NY, April 25-26
Oct	1997	The Origins of Property, Conference organized in the Department of Philosophy, University at Buffalo
Apr	1998	<a href="#">Applied Ontology. An International Conference on Law and Institutions in Society</a> (Marvin Farber Conference), University at Buffalo, April 24-25
Jun	1998	<a href="#">Ontology of Fields</a> . Research Meeting of the NSF Varenus Initiative, Bar Harbor, Maine
Aug	1998	Panel on the Philosophy of John Searle, World Congress of Philosophy, Boston
Nov.	1998	Symposium on: The Ontology of Integrated Products – The Microsoft/Netscape Browser Wars, Department of Philosophy. University at Buffalo (with David Koepsell)
Oct	1999	The Last Days of the Human Race: Karl Kraus Symposium, University at Buffalo
Aug	2000	Rationality and Irrationality. <a href="#">23rd International Wittgenstein Symposium</a> , Kirchberg, Austria, August 13-19
Oct	2001	<a href="#">Formal Ontology in Information Systems</a> (FOIS 2001): Second International Conference, Ogunquit, Maine (with Chris Welty), October 17-19.
Apr	2002	<a href="#">Ontological Spring</a> , Introductory Workshop in Ontology, Naumburg, Germany, April 17-20, 2002
Sep	2002	Academic Freedom and Intellectual Pluralism: US and Canadian Perspectives, Medaille College, Buffalo, September 20–21
Nov	2002	<a href="#">Ontology and WordNet</a> , University of Leipzig, Germany, November 27
Mar	2003	After Modernism and Postmodernism: New Directions in the Arts, Hegeler Institute, La Salle, Illinois (with David R. Steele), March 28-30
Apr	2003	<a href="#">The Mystery of Capital and the Construction of Social Reality</a> . A multi-disciplinary workshop with

- Hernando De Soto and John Searle, held in the University at Buffalo, sponsored by the National Science Foundation (with David Mark and Isaac Ehrlich), April 12-15
- Sep 2003 [Reference Ontology and Application Ontology](#), Workshop at KI 2003: Annual Conference of the German Artificial Intelligence Society, Hamburg, Germany
- May 2004 [The Formal Architecture of the Gene Ontology](#), sponsored by the EU FP6 Network in Medical Informatics Semantic Datamining and the Max Planck Institute for Evolutionary Anthropology, Leipzig, May 28–29.
- Jul 2004 [Ontology Workshop](#), Summer School of the European Union Network of Excellence in Medical Informatics and Semantic Datamining, Balatonfüred, Hungary, 4–6 July 2004.
- Nov 2004 [Medicine and Metaphysics](#), University at Buffalo, Buffalo, NY, November 13-14  
[Description Logics and Reasoning about Patient Data](#), Saarland University, Saarbrücken, Germany, November 22-23  
[Ontology: Interoperability of Patient Records and Biomedical Informatics](#), November 25, Brussels, Belgian Ministry of Health and European Commission (organized in conjunction with EUROREC 2004)
- Jan 2005 [The Theory of European Unification](#), Europa Institute, University of Saarbrücken, Germany, January 18
- Apr 2005 [Mapping the Human Body](#), National Center for Ontological Research, Buffalo April 16-17  
[Ontologies and Biomedical Informatics](#), International Medical Informatics Association Working Group 6, Rome, April 29–May 2 (with Jim Cimino)
- Jul 2005 [Workshop on Health Messaging Standards](#), Summer School of the European Union Network of Excellence in Medical Informatics and Semantic Datamining, Tihany, Hungary, 3 July 2005.
- Oct 2005 [Ontology and Cancer Bioinformatics](#): Joint Columbia-Buffalo Workshop, Hauptmann-Woodward Institute, Buffalo, October 14, 2005 (“The National Cancer Institute Thesaurus”)  
[National Center for Ontological Research Inaugural Event](#), University at Buffalo, October 27, 2005 ([Video](#))  
[Workshop on Bio-Ontologies](#), University at Buffalo and National Center for Ontology Research, October 28, 2005 (“Symposium on the Gene Ontology”, with David Hill)
- Mar 2006 [Image Ontology Workshop](#), National Center for Biomedical Ontology, Stanford University, March 23-24, 2006
- Apr 2006 [The Metaphysics of E. J. Lowe](#), National Center for Ontological Research, University at Buffalo, April 8-9, 2006 (jointly with R. Dipert and D. Hershenov)
- Sep 2006 [Workshop on Model Organism Anatomy Ontology](#), Seattle, September 8-9, 2006.
- Nov 2006 [Workshop on Disease Ontology](#), Baltimore, November 6-7, 2006  
[Biomedical Ontology in Action](#) (KR-MED 2006), November 8, 2006, Baltimore, MD (with Olivier Bodenreider and Fabian Neuhaus)  
Genomics Knowledge Representation for Clinical Trials, Workshop, AMIA Annual Symposium, Washington, November 12, 2006  
[Panel on the Future of HL7](#), AMIA Annual Symposium, Washington DC, November 14, 2006  
[Ontology for the Intelligence Community](#) (NCOR) Columbia, MD, November 30-December 1, 2006
- Mar 2007 Towards Interoperability of Biomedical Ontologies, [Dagstuhl Seminar](#), March 25-29, 2007
- May 2007 [Ontology of Clinical Trials](#). Workshop of the National Center for Biomedical Ontology, NIH Campus, Bethesda, MD, May 16-17, 2007
- Jun 2007 [Reasoning with Biomedical Information](#): Training Course in Logic for Biomedical Research, Schloss Dagstuhl, 20-23 June 2007
- Aug 2007 [The EnvO Workshop: Developing an Ontology for Describing the Environments of Organisms and Biological Samples](#), UK National Environment Research Council, OERC: Oxford e-Research Centre, UK, August 29-31 (with Michael Ashburner, *et al.*)
- Sep 2007 [Infectious Disease Ontology](#), Cold Spring Harbor Laboratory, Long Island, NY, 19-21 September 2007, sponsored by the Burroughs Wellcome Fund (with Lindsay Cowell)

Nov 2007 [EnvO Workshop II](#), Cold Spring Harbor Laboratories, November 15-16 (with Michael Ashburner, *et al.*)  
[Ontology for the Intelligence Community 2007](#), Columbia, MD and Mitre Corporation, November 28-30.

Dec 2007 [Protein Ontology Kick-Off Meeting](#), Georgetown University, Washington DC, December 2-4 (with Darren Natale).

Feb 2008 [Inaugural Conference of the Japanese Center for Ontological Research](#), February 26-27 (with Mitsu Okada).

Mar 2008 [EnvO Workshop III](#), University of Manchester, UK, March 13-16, sponsored by the Genome Standards Consortium (with Michael Ashburner, *et al.*).  
[Ontology of Cellular Networks](#), Newark, NJ, March 26-27 (with Yves Lussier and Alan Ruttenberg)

Jun 2008 [Evolutionary Biology and Ontologies Workshop](#). Organized as part of the Evolution 2008 Conference in the University of Minneapolis, MN on June 20 (with Paula Mabee, Todd Vision, Monte Westerfield)

Jul 2008 [First OBO Foundry Summit Meeting](#), European Bioinformatics Institute, Hinxton, Cambridge, UK, July 7-8 (with Susanna Assunta-Sansone and the OBO Foundry Coordinating Editorial Board)

Sep 2008 [Signs, Symptoms and Findings: First Steps Toward an Ontology of Clinical Phenotypes](#), University of Texas Southwestern Medical Center, Dallas, Texas, on September 3-4, (with Richard Scheuermann)  
Second Information Artifact Ontology Workshop, University at Buffalo, September 15.  
[Second Infectious Disease Ontology Workshop](#), sponsored by the Burroughs Wellcome Fund, University at Buffalo, September 16-17 (with Lindsay Cowell)

Nov 2008 [Second Annual Protein Ontology Meeting](#), Georgetown University, Washington DC, November 18-19

Jan 2009 [Second Evolutionary Biology and Ontologies Workshop](#). Organized as part of the Annual Meeting of the Society for Integrative and Comparative Biology (SICB) in Boston, MA on January 5 with Paula Mabee, Todd Vision, Monte Westerfield)

Feb 2009 [2nd Interdisciplinary Ontology Conference](#), Keio University, Tokyo, Japan, February 27-March 1 (with Mitsu Okada)

Jun 2009 [Ontology-Driven Semantic Interoperability in eHealth](#), European Commission Directorate General Information Society and Media, Brussels, June 22-23 (with Ilias Iakovidis and Erwin Bartels)

Jul 2009 [International Conference on Biomedical Ontology \(ICBO\)](#), University at Buffalo, July 20-26

Sep 2009 [Signs, Symptoms and Findings: Towards an Ontology for Clinical Phenotypes](#), Italian National Research Council Institute for Biomedical Technologies and University of Milan, September 4-5 (with Richard Scheuermann)

Feb 2010 [Ontologies for the Virtual Physiological Human](#), February 14, European Bioinformatics Institute, Cambridge (with Bernard de Bono and Alan Ruttenberg)  
[3rd Interdisciplinary Ontology Conference](#), Keio University, Tokyo, Japan, February 26-28 (with Riichiro Mizoguchi)

Mar 2010 [Ontology Summit 2010](#), National Institute for Standards and Technology (NIST), Gaithersburg, MD, March 15-16 (Co-Chair, with Steve Ray)

Apr 2010 Infectious Disease Ontology Collaborators Meeting, Duke University, Durham NC, April 6-9 (with Lindsay Cowell)  
3rd Annual Protein Ontology Meeting, April 26-28, Newark, USA.

Sep 2010 Infectious Disease Ontology Workshop, [13th World Congress on Medical and Health Informatics \(Medinfo 2010\)](#) in Cape Town, South Africa on September 11, 2010 (with Albert Goldfain and Lindsay Cowell)

Oct 2010 [An Introduction to Ontology Building](#), Buffalo, October 23

Dec 2010 [Workshop on Infectious Disease Ontology](#), Baltimore, MD, December 8-9 (with Lindsay Cowell)

Apr 2011 [Workshop on Ontology Driven Implementation of Semantic Services for the Enterprise](#)

[Environment](#) (ODISSEE), sponsored by US Federal Government, Alion Science and Technology, and the National Center for Ontological Research, Washington DC, April 12-13 (with Lowell Vizenor)

Jun 2011 Ontology-Based Research on Medicare/Medicaid Data, School of Pharmacy and Pharmaceutical Sciences, University at Buffalo and Department of Pharmacological Sciences, Stony Brook University, Buffalo, NY, June 15.

Jul 2011 [International Conference on Biomedical Ontology \(ICBO\)](#), Buffalo, NY, July 26-30, 2011 (Conference Chair)

Sep 2011 Alzheimer's Research in the University at Buffalo, Buffalo, NY, September 2, 2011.

Oct 2011 [Kick-Off Meeting](#), Alzheimer's Research Forum and Protein Ontology, Buffalo, NY, October 4-5, 2011 (with Alan Ruttenberg and Cathy Wu)

Nov 2011 [Basic Formal Ontology 2.0](#), Center of Excellence in Bioinformatics and Life Sciences, University at Buffalo, NY, November 10-11, 2011

Apr 2012 Ontology for the Intelligence Community, Training and Coordination Event for the US Army DSC Cloud, Aberdeen Proving Grounds, Aberdeen, MD, April 19-20, 2012  
[First Clinical and Translational Science Ontology Workshop](#), National Center for Biomedical Ontology, Baltimore, MD, April 25-26, 2012

May 2012 [Basic Formal Ontology and the Signature Discovery Ontology](#), UB Ontology Research Group and the Pacific Northwest National Laboratory, CUBRC, Buffalo, NY, May 1-2, 2012

Jun 2012 [Immunology Ontologies and Their Applications in Processing Clinical Data](#), Workshop sponsored by the National Center for Biomedical Ontology, and by the Protein Ontology and Infectious Disease Ontology Consortia, Buffalo, NY, June 11-13, 2012.

Jul 2012 [Towards an Ontology of Mental Functioning](#), Workshop organized in conjunction with the Third International Conference on Biomedical Ontology (ICBO), Medical University of Graz, Austria, July 22, 2012

Aug 2012 [Basic Formal Ontology 2.0 Preliminary Development Workshop](#), Center of Excellence in Bioinformatics and Life Sciences, National Center for Ontological Research. August 18-19

Feb 2013 [Second Clinical and Translational Science Ontology Workshop](#), Orlando, FL, February 11-12, sponsored by the Translational Network of the University of Arkansas for Medical Sciences (with William Hogan and Melissa Haendel)

Apr 2013 [Ontology for Information Integration: The Challenges of Big Data in Military, Security, and Intelligence Domains](#), NCOR Workshop, Buffalo, NY, April 18 (with Ron Rudnicki)

May 2013 [Basic Formal Ontology 2.0 Development Workshop](#), National Center for Ontological Research, University at Buffalo, May 13-14  
[PRO-PO-GO: Challenges of Ontology Coordination Across Organisms](#), Plant Ontology Consortium, Protein Ontology Consortium and National Center for Biomedical Ontology, May 15-16

Sep 2013 [ImmPort Ontology Conference](#), NIAID Bioinformatics Integration Support Contract (BISC), Stanford University, September 4-5

Oct. 2013 [Training and Strategy for ImmPort Data Submitters](#), Rho Federal Systems Division, Chapel Hill, NC, October 9-10

June 2014 [Protein Ontology Workshop](#), Georgetown University, DC, June 18-19  
[Ontology and Imaging Informatics; Third Clinical and Translational Science Ontology Workshop](#), University at Buffalo, NY, June 23-25

Sep 2014 [Information Artifact Ontologies Workshop](#), co-located with [Formal Ontology in Information Systems 2014](#), Rio de Janeiro, September 22

Oct 2014 [MedDRA and Ontology](#), Technical Workshop, [International Conference on Biomedical Ontologies](#), Houston, October 7

May 2015 [The Role of Ontology in Big Cancer Data](#), National Cancer Institute, Bethesda, MD, May 12-13

Sep 2015 [Information Meeting on Joint Doctrine Ontology](#), Multi-Agency Collaborative Environment (MACE) Fusion Center, Herndon, VA, September 16-17



[Ontology in Practice: Fourth Clinical and Translational Science Ontology Workshop](#), Charleston, SC, September 23-25 (with Jahid Obeid and William Hogan)

Nov 2015 [Symposium on Military Codes of Ethics](#), University at Buffalo, November 2.

Feb 2016 [Workshop on BFO and the Ontology of Deontic Entities](#), University of Florida School of Medicine, Gainesville, FL, February 17-19 (with William Hogan)

May 2016 [Ontological Approaches to Sensor Data Analysis](#), National Center for Geographic Information and Analysis, Buffalo, NY, May 19-20 (with Ling Bian and Werner Kuhn)

Sep 2016 [Clinical Terminology Shock and Awe](#), University at Buffalo, September 7-8 (with William Hogan)

Apr 2017 [MatOnto Ontology Meetings](#), University at Buffalo, April 3-5.

Aug 2017 [IAOA Summer Institute on Upper Ontologies](#), University of Toronto, August 8-11 (with Michael Grüninger, Stefano Borgo and Nicola Guarino)

Aug 2017 [A Strategy for Promoting Data Interoperability Across the Enterprise](#). Workshop, organized as part of the ASME 2017 International Design Engineering Technical Conferences (IDETC) and Computers & Information in Engineering Conference (CIE) (IDETC/CIE). Cleveland, OH, August 6

Oct 2017 [Protein Ontology Consortium Workshop 2017](#), Bar Harbor, MN, October 11-12

[Microbiology for the CTSA: Ontological Approaches](#): Sixth Clinical and Translational Science Ontology Workshop, University of Michigan, Ann Arbor, October 24-25 (with Yongqun He, Amanda Hicks and William Hogan)

Jul 2018 [The Industrial Ontologies Foundry \(IOF\) Workshop](#), Buffalo, NY, July 18-19

Apr 2018 [Capabilities: Human and Machine](#), Workshop, University at Buffalo School of Engineering and Applied Sciences, April 20. [Video](#)

Sep 2018 [Navy SYSCOM and DoD Ontology Workshop](#), Engility, Washington DC, September 18-19

Oct 2018 [Relation Ontology 2018](#), University of Colorado, Denver, October 24-25 (with Larry Hunter and Chris Mungall)

Feb 2019 [Ontology for Precision Medicine: From Genomes to Public Health](#), Orlando, FL February 20-21 (with William Hogan)