Kenneth Baclawski

College of Computer and Information Science
Northeastern University
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Boston, MA 02115, USA
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ken.baclawski.org

Education

Ph.D. 1976 Harvard University (Mathematics)

B.S. 1971 University of Wisconsin, Milwaukee (Applied Mathematics and Engineering Physics)

Experience

7/2017 to present: Associate Professor Emeritus. College of Computer and Information Science, Northeastern University, Boston, MA

1/1983 to 6/2017: Associate Professor. College of Computer and Information Science, Northeastern University, Boston, MA

9/2003 to 8/2005: Visiting Professor. Harvard Medical School, Boston, MA

7/1998 to 12/2005: Chief Scientist. Jarg Corporation, Waltham, MA

7/1997 to 6/1998: Chief Technical Officer. Jarg Corporation, Waltham, MA

9/1982 to 12/1982: Visiting Scholar in Applied Mathematics. Massachusetts Institute of Technology, Cambridge, MA

7/1981 to 12/1981: Acting Chairman. Mathematics Department, Haverford College, Haverford, PA

1/1980 to 6/1980: Visiting Professor. University of California, San Diego

7/1979 to 6/1986: Consultant to the Director. Los Alamos National Laboratory, Los Alamos, NM

7/1978 to 12/1983: Assistant Professor. Haverford College, Haverford, PA

7/1976 to 6/1978: C.L.E.Moore Instructor. Massachusetts Institute of Technology, Cambridge, MA

7/1972 to 6/1976: Teaching Fellow. Harvard University, Cambridge, MA

5/1970 to 8/1970: Assistant Professor. Physics Department, University of Wisconsin, Milwaukee

Areas of Interest

Semantics of Data
Web Service Specification and Deployment
Big Data and NoSQL Systems
High-Performance Ontology-Based Computing
Knowledge Bases for Biology and Medicine
Ontologies for: Life Sciences, Situation Awareness and Financial Services

Research Impact

h-index	39
g-index	72
number of publications	409
number of citations	5561
as of 2020-04-22	

Honors and Awards

"Improving Quality and Flexibility of Machine Learning Methods," Oracle. 2018-06-12 to 2019-06-11.

"Statistical Methods using Thread Intensity for Performance Monitoring," Oracle. 2017-05-01 to 2018-04-30.

Google awarded a settlement to Northeastern University to conclude a patent infringement lawsuit for US Patent No. 5,694,593 (Kenneth Baclawski, inventor). This patent was allegedly for what Google calls MapReduce. MapReduce is the main search engine used by Google. MapReduce is the basis for NoSQL search engines such as Hadoop, and is one of the fundamental tools used for Big Data systems. US Patent No. 5,694,593 was invented in 1993; the patent application was in 1994; the patent was granted in 1997; the lawsuit was settled in 2011. The terms of the settlement are confidential.

"Enhancing Organism Based Disease Knowledge Via Name Based Taxonomic Intelligence," National Library of Medicine. 2008-10-01 to 2012-09-30.

Keynote Address, 4th Semantic Interoperability for E-Government Conference, 2006.

Special Recognition Award from the Open Group and the Federal Semantic Interoperability Community of Practice, 2006.

Keynote Address, Workshop on Advancing Toward Credible Agreements Around Information Sharing Environments, Governance, and Data Architecture, 2005.

Outstanding Paper Award, SDR Forum, 2005.

"Computational Models of Health Behavior Change Dialog," National Library of Medicine. 2007-10-01 to 2009-09-30.

"Automated Ontologically-Based Link Analysis of International Web Logs for the Timely Discovery of Relevant and Credible Information," Air Force. 2006-03-01 to 2009-02-28.

"Semantic Information eXchange Architecture," Navy. 2006-01-19 to 2008-01-18.

"Situational Behavior Modeling," US Air Force Office of Scientific Research. 2006-06-01 to 2007-05-30.

"A Knowledge Development and Utilization Environment to Support Knowledge-Based Information Fusion in the Context of Asymmetric Warfare Information," Army. 2005-11-01 to 2007-10-31.

Keynote Address, Third International Workshop on Software Methodologies, Tools and Techniques, 2004.

"A Formal Framework for Situation Awareness," Air Force. 2003-05-01 to 2005-04-30.

Keynote Address, Second International Workshop on Software Methodologies, Tools and Techniques, 2003.

"Information Fusion Reference Model," Army. 2005-01-01 to 2005-06-30.

"Achieving Interoperability of Emergency Response Teams Using Model Driven Architecture and Software Defined Radios," NSF. 2002-10-01 to 2004-09-30.

"A Formal Framework for Situation Awareness," Air Force. 2002-05-01 to 2003-01-31.

"UML-Based Ontology Toolset," DARPA. 2000-09-01 to 2005-08-31.

"Architectures for ANT Based Adaptive Resource Management for Electronic Warfare," DARPA. 1999-10-01 to 2002-09-30.

"Re-Engineering of Multi-Sensor Fusion Software Through the Use of Formal Methods," Sanders, a Lockheed Martin Company. 1999-01-01 to 1999-12-31.

"Biomedical Science Information Retrieval and Management," NIH. 1998-10-01 to 1999-09-30.

"Data/Knowledge Bases For Biological Papers And Techniques," NSF. 1992 to 1995.

"Research on file access patterns," Amdahl Corporation. 1988 to 1988.

"High-Performance Transaction Systems," NSF. 1987 to 1989.

Keynote Address, Trends in Combinatorics, 1982.

Case Western Reserve University Centennial Medal, 1982.

"Algebra and Combinatorics," NSF. 1979 to 1983.

"Combinatorial Theory," NSF. 1977 to 1978.

"The Bracket Ring of a Combinatorial Geometry," NSF. 1976 to 1977.

"James K. Whittemore Fellow," Harvard University. 1975 to 1976.

"Graduate Fellowship," NSF. 1971 to 1975.

"Woodrow Wilson Fellow," Woodrow Wilson Foundation. 1971 to 1972.

"Undergraduate Research Grant," NSF. 1968 to 1968.

Courses Taught

Web Service Development
Software Component Development
Introduction to Software Engineering
Transaction Processing Systems
Distributed Database Systems
Object-Oriented Design
Introduction to Database Management
Operating Systems Design
Data Modeling
Algorithms
C++ Programming
Data Structures
Assembly Language
Introduction to Computer Programming

Service Activities

Treasurer, IEEE Conference on Cognitive and Computational Aspects of Situation Management. 2019–present.

General Chair, IEEE Conference on Cognitive and Computational Aspects of Situation Management. 2018.

Member, IEEE Systems, Man and Cybernetics Society. 2018–present.

Infrastructure Committee, International Association for Ontologies and Applications. IAOA. 2018–present.

Chair, Ontolog Board of Trustees. 2018–present.

Overall Chair, Ontology Summit. 2017–present.

Executive Committee Member and Treasurer, International Association for Ontologies and Applications. IAOA. 2016–present.

Co-Chair, Semantic Interoperability in the GeoSciences and Geographically Distributed Sensor Networks. Ontology Summit. 2016.

Member of Organizing Committee, Ontology Summit. 2016–present.

Member, Program Committee. International Workshop on Modular Ontologies. 2015.

Member of Organizing Committee, Workshop on Modular Ontologies (WoMO). 2014–2018.

Chair, Masters Committee. College of Computer and Information Science. 2014–2016.

Member, Academic Appeals Committee. Northeastern University. 2014–2015.

Co-Founder and Chair, CMIS for Document Access Management (CMIS4DAM) Technical Committee. OASIS. 2014–2016.

Co-Chair, Tackling the Variety Problem in Big Data. Ontology Summit. 2014.

Chair, Semantic Annotation of the Ontolog Community Environment. Ontology Summit. 2014.

Advisor, Hackathon. Ontology Summit. 2014.

Co-Chair, Semantic Web and Ontologies (SWAO) Special Interest Group. IAOA. 2014–present.

Member, Ontolog Board of Trustees. 2014–present.

Member of Organizing Committee, Ontology Summit. 2014.

Chair, Repositories Special Interest Group. IAOA. 2013–2014.

Member, Standards and Ontologies Special Interest Group. IAOA. 2013–2014.

Member of Organizing Committee, Ontology Summit. 2013.

Chair, Ontology Tools Survey. Ontology Summit. 2013.

Co-Chair Organizing Committee, Hackathon. Ontology Summit. 2013.

Co-Chair, OOR-Ontohub-Gatekeeper API Workshop. 2013.

Chair, Ontologies and Standards for Social Networking Workshop. 2013.

Co-Chair, Guide to Reasoning Applications Development and Cases. Ontology, Rules, and Logic Programming for Reasoning and Applications. 2013.

Co-Chair, Open Ontology Repository Development Workshop. OOR Initiative. 2013.

Co-Chair, Software Environments for Evaluating Ontologies Track. Ontology Summit. 2013.

Co-Chair, Leveraging Semantics on OntologPSMW. Ontology Summit. 2013.

Co-Chair, Ontohub-OOR-OOPS! Integration. Ontology Summit. 2013.

Co-Chair, Ontologies and Standards Mini-Series. 2012–2013.

Secretary of Steering Committee, Workshop on Modular Ontologies (WoMO). 2013–2017.

Member, Content Management Interoperability Services (CMIS) Technical Committee. OASIS. 2013–2017.

Member, Masters Committee. College of Computer and Information Science. 2013.

Chair, OASIS Integrated Collaboration Object Model for Interoperable Collaboration Services (ICOM) Technical Committee. OASIS. 2012–2016.

Member, OASIS Open Data Protocol (OData) Technical Committee. OASIS. 2012–2016.

Panelist, Bioengineering Sciences and Technologies: Shared Instrument Review. National Institutes of Health. 3/2012.

Member, Program Committee. International Workshop on Modular Ontologies. 7/2012.

Panelist, Review Panel on Collaboration with NCBCs. National Institutes of Health. 3/2011.

Presenter, OOR-BioPortal Joint Workshop. Ontolog Forum and NCBO. 2011.

Chair, University Standing Appeals Committee on Tenure. Northeastern University. 2011–2012.

Co-Chair, Open Ontology Repository Architecture Workshop Series. Ontolog Forum. 2011–2012 (twelve sessions).

Member, Organizing Committee and Program Committee. OCAS: Ontologies Come of Age in the Semantic Web at ISWC 2011. 2011.

Member, Program Committee. ACM Workshop on Medical Multimedia Analysis and Retrieval (MMAR 2011). 2011.

Member, University Standing Appeals Committee on Tenure. Northeastern University. 2010–2011, 2014–2015.

Member, Marius Solomon Evaluation Committee. Northeastern University. 2010–2011.

Member, Program Committee. IEEE Conference on Cognitive Methods in Situation Awareness and Decision Support (CogSIMA). 2010–present.

Member, Program Committee. ESWC 2010 Workshop on Ontology Repositories and Editors for the Semantic Web. 2010.

Member, Organizing Committee and Program Committee. ISWC 2010 Workshop on Semantic Repositories for the Web. 2010.

Panelist, Computational Modeling and Sciences for Biomedical and Clinical Applications. National Institutes of Health. 7/2009 (twice), 11/2009, 3/2010, 6/2010, 10/2010, 2/2011, 6/2011, 10/2011, 2/2012, 10/2012.

Panelist, Special Emphasis Panel. National Institutes of Health. 3/2009.

Panelist, Computer Shared Instrumentation. National Institutes of Health. 7/2009.

Member, International Association for Ontologies and Applications (IAOA). IAOA. 2009–present.

Chair, Open Ontology Repository Gathering. International Semantic Web Conference. 2009.

Chair, Ontology Repository Research Issues. Ontolog Forum and NCBO. 2009.

Member, Program Committee. Collaboration and Ontology Repository Workshop (CCMaLiSK) at the International Semantic Web Conference. 2009.

Member, Program Committee. Transforming and Weaving Ontologies and Model Driven Engineering at the MoDELS Conference. 2008, 2009, 2010.

Co-Founder, Convener, Speaker and Session Chair, Open Ontology Repository Initiative. Ontolog Forum and NCBO. 2008–2014 (weekly virtual meetings).

Member, Frader Evaluation Committee. Northeastern University. 2008.

Series Chair, Emerging Ontology Content Showcase. Ontolog Forum. 2008.

Member, Provost Grant Review Board. Northeastern University. 2007.

Presenter, Panel on social networking. Northeastern University. 2007.

Convener, Speaker and Session Chair, Ontology Summit. National Institute of Standards and Technology. 2007, 2008.

Convener, Speaker and Session Chair, Ontolog Forum. NIST, IAOA and NCBO. 2007–present (weekly virtual meetings).

Presenter, Inaugural Encyclopedia of Life Meeting. Marine Biological Laboratory. 2007.

Panelist, Ad Hoc Study Group. National Institutes of Health. 7/2006, 9/2006, 1/2007.

Keynote Address, Introduction to the Semantic Web. 4th Semantic Interoperability for E-Government Conference. 2/2006.

Panelist, NIH - NIDDK Review Branch. National Institutes of Health. 2/2006.

Member, Program Committee. Semantic Modeling and Model-Driven Architecture (SMMDA). 2006.

Chair, Scientific Advisory Board of the Virtual Plant Information Network (VPIN). National Center for Genome Resources. 2005–2007.

Panelist, Biodata Study Group. National Institutes of Health. 7/2005, 10/2005.

Member, Program Committee. International Symposium on Network Computing and Applications. 2005.

Tutorial Presenter, Introduction to the Semantic Web for Bioinformatics. Computational Systems Bioinformatics Conference. 11/2005.

Program Committee Member, Workshop on Semantic Web Enabled Software Engineering. International Semantic Web Conference. 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013.

Session Chair, Conference. SPIE Conference on Multisensor, Multisource Information Fusion. 2005.

Member, Advisory Board. School of Technological Entrepreneurship, Northeastern University. 2004–2011.

Member, Program Committee. International Semantic Web Conference. 2004–2005.

Member, Program Committee. International Symposium on Network Computing and Applications. 2004–2005.

Session Chair, Symposium. International Symposium on Network Computing and Applications. 2004–2005.

Member, Search Committee for the Dean of the School of Technological Entrepreneurship. Northeastern University. 2004–2005.

Chair, Evaluation Committee for the Dean of the College of Engineering. Northeastern University. 2004.

Member, Program Committee. International Workshop on Software Methodologies, Tools and Techniques. 2003, 2004, 2005, 2006, 2007.

Member, Ontology Working Group. Object Management Group. 2002–2004.

Senator, Faculty Senate. Northeastern University. 2001–2003.

Member, UML2.0 Standardization Committee. Object Management Group. 2001–2003.

Member, Responsibility-Centered Management Committee. Northeastern University. 2001–2002.

Member, Financial Affairs Committee. Northeastern University. 2001–2002.

Member, School of Entrepreneurship Committee. Northeastern University. 2000–2001.

Co-Author, Web Ontology Language. World Wide Web Consortium. 2000–2001.

Co-Chair, Workshop on Behavioral Semantics. Object-Oriented Programming Languages, Systems and Architectures. 1999–2002.

Secretary, Evaluation Committee for the Dean of the School of Engineering Technology. Northeastern University. 1993–1994.

Secretary, Long-Range Planning Committee. Northeastern University. 1991–1992.

Member, Undergraduate Committee. College of Computer and Information Science. 1988–2013.

Member, Computing Resources Committee. College of Computer and Information Science. 1988–1989.

Advisor, Programmers Guild. College of Computer and Information Science. 1988–1989.

Advisor, Association for Computing Machinery Student Chapter. College of Computer and Information Science. 1988–1991.

Member, Committee on the Use of Computers in Advising. Northeastern University. 1989–1991.

Chair, Program Review Committee for Mechanical Engineering. Northeastern University. 1987–1988.

Chair, Program Review Committee of the Graduate Council. Northeastern University. 1984–1986.

Member, Graduate Council Executive Committee. Northeastern University. 1984–1986.

Member, Graduate Council. Northeastern University. 1984–1986.

Co-Chair, Joint Committee on Business-Computer Science Cooperation. College of Computer and Information Science. 1988–1993.

Member, Computer Resource Advisory Committee. College of Computer and Information Science. 1988–1990.

Chair, Hiring Committee. College of Computer and Information Science. 1988–1991.

Chair, Colloquium Committee. College of Computer and Information Science. 1985–1990.

Secretary, Tenure Committee. College of Computer and Information Science. 1988–1994, 2002–2003.

Member, Tenure Committee. College of Computer and Information Science. 1985–2017.

Chair, Merit Review Committee. College of Computer and Information Science. 1987–1988, 2013–2015.

Member, Merit Review Committee. College of Computer and Information Science. 1985–1988, 1992–1993.

Member, Hiring Committee. College of Computer and Information Science. 1983–1991.

Chair, Sabbatical Leave Committee. College of Computer and Information Science. 1983–1989, 1991–1995, 1996–1997, 2004–2010.

Member, Graduate Committee. College of Computer and Information Science. 1983–1986.

President, GBSIGMOD. Association for Computing Machinery. 1986–1990, 1991–1993.

President, Greater Boston Chapter. Association for Computing Machinery. 1990–1992.

Vice-President, Greater Boston Chapter. Association for Computing Machinery. 1986–1988.

Member, Greater Boston Chapter Executive Board. Association for Computing Machinery. 1984–1999.

Treasurer, GBSIGMOD. Association for Computing Machinery. 1990–1991.

Chair, Greater Boston Chapter Volunteers Committee. Association for Computing Machinery. 1992–1993.

Chair, Greater Boston Chapter Strategic Planning Committee. Association for Computing Machinery. 1992–1993.

Member, SIGMOD. Association for Computing Machinery. 1984–2000.

Member, Greater Boston Chapter. Association for Computing Machinery. 1984–2008.

Member, Computer Society. IEEE. 1984–present.

Member, Technical Committee on Data Engineering. IEEE. 1984–2000.

Member, Program Committee. IEEE-Boston. 1990–1994.

Chair, Greater Boston Chapter Program Committee. Association for Computing Machinery. 1984–1993.

Websites and Software

Knowledge Intensive Data System Ontology
Kenneth Baclawski.
Provides: software.
Purpose: research.
`ken.baclawski.org/kids.owl`
2016.

The SoapRest Web Services Package
Kenneth Baclawski.
Provides: software.
Purpose: research.
`ken.baclawski.org/soaprest`
2014.

Java EAPG - An Extended ABNF Parser Generator
Kenneth Baclawski.
Provides: software.
Purpose: research.
`ken.baclawski.org/eapg.jar`
2014.

Open Ontology Repository API
Kenneth Baclawski.
Provides: software.

Purpose: research.
`ken.baclawski.org/oor`
2014.

Northeastern University Pseudo Cone Facility (NUPCF)
Kenneth Baclawski.
Provides: software, website.
Purpose: research.
`ken.baclawski.org/nupcf`
2011.

Purple Semantic Media Wiki
Kenneth Baclawski, Peter Yim, Tejas Parikh, Sumit Purohit.
Provides: software, website.
Purpose: research, service.
2011–2014.

Use Case Description Ontology
Kenneth Baclawski.
Provides: ontology.
Purpose: research, service.
`ken.baclawski.org/ontologies/ucdo.owl`
2010.

KEEPER Project
Kenneth Baclawski, Maximo Gurmendez.
Provides: software, website.
Purpose: research.
2010–2014.

Open Ontology Repository Use Case Descriptions
Kenneth Baclawski, Maximo Gurmendez.
Provides: software, website, ontology.
Purpose: research.
`ken.baclawski.org/ontologies/oor-usecase.xml`
2010.

Introduction to Probability with R
Kenneth Baclawski.
Provides: software, website, textbook.
Purpose: teaching.
`stochas.baclawski.org`

2008–present.

Purple Media Wiki Extension
Kenneth Baclawski, Peter Yim, Tejas Parikh, Viral Gupta, Sumit Purohit.
Provides: software, website.
Purpose: research, service.
2008–2014.

Open Ontology Repository
Kenneth Baclawski (PI), Peter Yim, Todd Schneider, Michael Gruninger, National
Center for Biomedical Ontologies, Open Ontology Repository Initiative.
Provides: software, website.
Purpose: research.
`oor.net`
2008–2014.

Ontologies for Bioinformatics Website
Kenneth Baclawski, Tianhua Niu.
Provides: website.
Purpose: teaching, textbook.
`ontobio.baclawski.org`
2005.

Eleventh OOPSLA Workshop on Behavior Semantics
Kenneth Baclawski, Haim Kilov.
Provides: website.
Purpose: service.
`ken.baclawski.org/oopsla2002`
2002.

Tenth OOPSLA Workshop on Behavior Semantics
Kenneth Baclawski, Haim Kilov, Angelo Thalassinidis, Kevin Tyson.
Provides: website.
Purpose: service.
`ken.baclawski.org/oopsla2001`
2001.

Ninth OOPSLA Workshop on Behavior Semantics
Kenneth Baclawski, Haim Kilov, Angelo Thalassinidis, Kevin Tyson.
Provides: website.
Purpose: service.
`ken.baclawski.org/oopsla2000`

2000.

Java RMI and Synchronization Tutorials
Kenneth Baclawski.
Provides: software, website.
Purpose: teaching.
`ken.baclawski.org/tutorial`
1998–2013.

Partial List of Students

Student	Title or Topic Area	Year
Kamran Rastegar	Database Systems	1983
Yazun Al Eifan	Knowledge Representation	1985
Elliott Smith	Knowledge Representations	1985
Thomas Fleming	Distributed Databases	1986
Richard Weeks	Natural Language Front Ends to Databases	1986
David Laplante	Capturing More Meaning in Databases	1986
Lee Mandell	Capturing More Meaning in Databases	1986
Whit Stockwell	Capturing More Meaning in Databases	1986
George Jreige	Enhancing Knowledge Representations	1986
Vivian Carpenter	Using the Decision-Tree Model in Database Design	1986
Ying Ng	Using the Decision-Tree Model in Database Design	1986
Manus Fealy	Integrating User Views in Database Design	1986
Chetan Mepani	Integrating User Views in Database Design	1986
Barry Sullivan	Logic Programming	1986
Tin-yan Sun	Comparison of Pascal and Ada	1986
Michael Llewellyn Jr	Rule-based Systems	1986
Nicolas Lossky	Rule-based Systems	1986
John Buczkowski	Object-Based Computing and the Ada Language	1986

Student	Title or Topic Area	Year
Susanne Chan	Object-Based Computing and the Ada Language	1986
Jeffrey Bloomberg	Animating Programs Using Smalltalk	1986
Tom Friends	A Taxonomy of Current Issues in Requirements Engineering	1986
Ashvin Patel	Structured Analysis Concepts	1986
Richard Fucarile	Data Flow Design	1986
Scott Ribiero	Functional Decomposition	1986
Ian Campbell	Data Structure Design	1986
Frederick Dacey III	Learning from AI: New Trends in Database Technology	1986
Jeff Mattson	AI Techniques for Database Management	1986
Frederick Boudreau III	Graphic User Interfaces for Software Engineering	1987
Scott Bradley	Graphic User Interfaces for Software Engineering	1987
Johathan Fava	Graphic User Interfaces for Software Engineering	1987
Martin Fitzgerald	Graphic User Interfaces for Software Engineering	1987
Edward Francoeur	Graphic User Interfaces for Software Engineering	1987
Heather Hall	Graphic User Interfaces for Software Engineering	1987
Richard Larowe Jr	Graphic User Interfaces for Software Engineering	1987
Brendan McBreen	Graphic User Interfaces for Software Engineering	1987
David Painter	Graphic User Interfaces for Software Engineering	1987
Nidal Rajeh	Graphic User Interfaces for Software Engineering	1987
Philip Roux	Graphic User Interfaces for Software Engineering	1987
Douglas Silver	Graphic User Interfaces for Software Engineering	1987

Student	Title or Topic Area	Year
Mary Ann Werbinski	Graphic User Interfaces for Software Engineering	1987
Anthony Zeoli Jr	Graphic User Interfaces for Software Engineering	1987
Joseph Zinkann	Graphic User Interfaces for Software Engineering	1987
Eric Aftandilian	Transaction Processing Systems	1987
George Azzi	Transaction Processing Systems	1987
Charles Connors	Transaction Processing Systems	1987
Anna Dimascio	Transaction Processing Systems	1987
Mark Geschelin	Transaction Processing Systems	1987
Ban Fan Hazineh	Transaction Processing Systems	1987
Lucy Karis	Transaction Processing Systems	1987
William Kilduff	Transaction Processing Systems	1987
Margaret Mekosky	Transaction Processing Systems	1987
Khaled Mohieddin	Transaction Processing Systems	1987
Azita Refah	Transaction Processing Systems	1987
Gregory Smith	Transaction Processing Systems	1987
Raymond Suarez	Transaction Processing Systems	1987
Christine Sullivan	Transaction Processing Systems	1987
Lori Lashway	Transaction Processing Systems	1987
Fariba Aliloo	Transaction Processing Systems	1987
Samuel Bechar	Transaction Processing Systems	1987
Samir Bhatia	Transaction Processing Systems	1987
Avonelle Christian	Transaction Processing Systems	1987
Lawrence Fowler	Transaction Processing Systems	1987
Dek Lee	Transaction Processing Systems	1987
Stephen Muli	Transaction Processing Systems	1987
Neal Rudnick	Transaction Processing Systems	1987
Ronald Sandstrom	Transaction Processing Systems	1987
Jerry Thomas	Transaction Processing Systems	1987
Patricia Castillo	Software Engineering	1987
Roy Rubinstein	Software Engineering	1987
Jun Chen	High-Performance Transaction Processing Systems	1988
Jyh-Hwa Chen	High-Performance Transaction Processing Systems	1988
Siu Pong Choa	High-Performance Transaction Processing Systems	1988

Student	Title or Topic Area	Year
Hsing-Tao Chou	High-Performance Transaction Processing Systems	1988
Jean Collins	High-Performance Transaction Processing Systems	1988
Sunil Contractor	High-Performance Transaction Processing Systems	1988
Yiannis Doganis	High-Performance Transaction Processing Systems	1988
Whaeeb Ghafoor	High-Performance Transaction Processing Systems	1988
Christine Hammond	High-Performance Transaction Processing Systems	1988
Wing Lam	High-Performance Transaction Processing Systems	1988
Henry Rausen	High-Performance Transaction Processing Systems	1988
Tze-Ming Tsang	High-Performance Transaction Processing Systems	1988
Jackson Wynn	High-Performance Transaction Processing Systems	1988
Er Hong Ye	High-Performance Transaction Processing Systems	1988
You Yi Zhang	High-Performance Transaction Processing Systems	1988
Ian Holland	Hype: A Mini-Hypertext System	1988
Timothy Mark	Semantic Data Modeling	1988
Ramesh Ramachandran	Semantic Data Modeling	1988
Robert Newby	Semantic Data Modeling	1988
Ignacio Silva-Lepe	Consistency Checking of Semantic Data Models	1990
Christine Stamelos	Name Service for Semantic Data Models	1990
Jacek Kruszelnicki	Graphic views for alpha model	1990
Jing Wang	View mechanisms for alpha model	1990
Xiaoji Cai	Object-oriented data models	1990
Olaf Kruger	Knowledge and Logic Databases	1990
Tong Liu	Graphic annotation and display	1990
Raj Baberwal	Graphic display for the alpha model	1990

Student	Title or Topic Area	Year
Christopher Cheng	Graphic menu interface for alpha model	1990
Leonidas Deligiannidis	Embedded Rdb/VMS SQL Programming Using Fortran as the Host Language for a Travel Agent Project	1991
Yalan Ji	Schema Translation	1992
Gang Yan	Network Emulation	1992
Sreenivasulu Guduguntla	Graphic User Interface for Network Emulation	1992
Brinda K Keralavarma	Graphic User Interface for Data Modeling	1992
Hong Shao	Lock Manager for the Transaction Processing Emulation Tool	1993
Krishna Boppana	Automated Student Advising	1993
Jagadeesh Venugopal	Client-Server Architecture	1994
Kiran Kasibhatla	Client-Server Architecture	1994
Atchiraju Jaldu	Client-Server Architecture	1994
Wayne Vetrone	Transaction Processing Systems	1994
Shobana Sampath	Information Retrieval for Student Advising	1994
Xiang Li	Graphic User Interface for Student Advising	1994
Prasad Ayyalasomayajula	Graphic User Interface	1995
Mahendra Velchuru	Simulated ATM	1995
Doug Waters	Transaction Processing Simulation	1996
Yelena Prusakov	Airport Management System	1999
Manoj Thadani	Distributed File System	1999
Katarzyna Leskow	Apache Web Server	1999
Todd Fernandez	Apache Web Server	1999
Massimo Loi	Apache Web Server	1999
Amy Miles	Apache Web Server	1999
Yu Hua Zheng	Apache Web Server	1999
Yu Liu	Apache Web Server	1999
Yahya Abd Rahman	Intelligent Agent System	1999
John Bardash	Intelligent Agent System	1999

Student	Title or Topic Area	Year
Steves Stuart	Intelligent Agent System	1999
Jun Tian	Multimedia Intelligent Agent System	1999
Joseph Cigna	Multimedia Intelligent Agent System	1999
Kelvin Li	Multimedia Intelligent Agent System	1999
Filipp Rakevich	Distributed Objects	1999
Presha Nair	Distributed Objects	1999
Yuhong Yin	Knowledge Extraction and Optimization	1999
Yuchun Guo	Knowledge Extraction and Optimization	1999
Arvind Meda	Information and Content Exchange (ICE) Protocol	1999
Artan Simeqi	Information and Content Exchange (ICE) Protocol	1999
Chi Zhang	Information and Content Exchange (ICE) Protocol	1999
Furong Yang	Information and Content Exchange (ICE) Protocol	1999
Rama Devulapalli	Information and Content Exchange (ICE) Protocol	2000
Tao Yu	Knowledge Extraction and Optimization	2000
Jaimin Patel	WebAdvisor	2000
Jarrod Whelan	WebAdvisor	2000
Ricky Girglani	WebAdvisor	2000
Ping Wang	WebAdvisor	2000
Lyuba Yelovich	WebAdvisor	2000
Fang Lan	WebAdvisor	2000
Lyubov Yelovich	Multi-Agent Systems	2000
Nilesh Nagraj Rathod	Distance Learning Software	2001
Jinying Zhong	Component-Based Distributed Systems	2002
Nilgun Unver	Component-Based Distributed Systems	2002
Weizhen Ji	Component-Based Distributed Systems	2002

Student	Title or Topic Area	Year
Xi Xian	Component-Based Distributed Systems	2002
Zhaoming Lu	Component-Based Distributed Systems	2002
Shyama Gavrulla	Linux Device Drivers	2002
Lakshman Easwaran	Benchmarks for Major Database Systems	2002
Kevin Amorin	Beowulf Cluster	2003
Prashanth Ram	Parallel Processing	2003
Subir Kumar	Distributed Processing	2003
Vishesh Duggar	Integration of Decision Analysis	2007
David Ortiz	Powerline Network Communication System	2007
Viral Gupta	Fine-Grained Addressability to Support Large-Scale Collaborative Document Development	2008
Tejas Parikh	Fine-Grained Addressability of MediaWiki Websites	2009
Nirmal Shah	Collaborative Work Environments	2009
Dawei Dai	The Tiki Collaborative Work Environment	2009
Munmun Mahapatra	Transclusion for Fine-Grained Collaboratively Developed Artifacts	2009
Sumit Purohit	Purple MediaWiki	2009
Shruti Dabhade	Object-Oriented and Classical Software Engineering Methods	2009
Sapna Gathani	Active Wiki Tagging	2010
Srividya Mandaleeka	Semantic Search for Disease Reports	2010
Laila Nurani	Metadata Registry ISO/IEC 11179 Registration System using ORM	2010
Bipinkumar Shetty	Administration of ISO/IEC 11179 Metadata registries (MDR)	2010
Hyuk Park	Query Interface for MIMIC-II	2011
John O'Connor	Python based ORM (Object RDF Mapper)	2011

Student	Title or Topic Area	Year
Gaurav Durgule	Computer Aided Standards Development (CASD) Semantic consistency among standards	2014
Sankalpa Kulkarni	Computer Aided Standards Development Process	2014
Srinivas Varadharajan	A Software Tool to Automate Standards Development Process	2014
Vivek Singh Chouhan	Computer Aided Standard Design	2014
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