Curriculum Vitae

Kurt Eiselt
Professor of Teaching
Department of Computer Science
College of Engineering
University of California, Davis
May 1, 2023

POST-SECONDARY EDUCATION

University or Institution	Degree	Subject Area	Dates
University of California, Irvine	PhD	Information and Computer Science	1989
University of California, Irvine	MS	Information and Computer Science	1983
University of California, Irvine	BS	Information and Computer Science	1976

Title of Dissertation and Name of Supervisor

Inference Processing and Error Recovery in Sentence Understanding. Doctoral dissertation, published as Technical Report 89-24, Department of Information and Computer Science, University of California, Irvine, 1989. Thesis advisor: Richard H. Granger, Jr.

EMPLOYMENT RECORD

University, Company or Organization	Rank or Title	Dates
College of Engineering, University of California, Davis	Professor of Teaching	2022 - present
College of Engineering, University of California, Davis	Vice Chair, Computer Science Department	2019 - present
College of Engineering, University of California, Davis	Lecturer with Security of Employment	2015 - present
Faculty of Science, University of British Columbia	Director of Science Gateway Programs	2013 - 2015
Faculty of Science, University of British Columbia	Director of Bachelor of Computer Science Program	2012 - 2013
Faculty of Science, University of British Columbia	Associate Head of Undergraduate Affairs, Computer Science	2009 - 2010
Faculty of Science, University of British Columbia	Senior Instructor	2004 - 2015
College of Computing, Georgia Institute of Technology	Acting Director of Undergraduate Education	2004
College of Computing, Georgia Institute of Technology	Director of Undergraduate Education	2001 - 2003
College of Computing, Georgia Institute of Technology	Associate Dean	2000 - 2001
College of Computing, Georgia Institute of Technology	Assistant Dean and Director of Student Services	1995 - 2000
College of Computing, Georgia Institute of Technology	Director of Student Services	1991 - 1995
College of Computing, Georgia Institute of Technology	Assistant Professor	1989 - 1994

Department of Information and Computer Science, University of California, Irvine	Computer Operator	1988 - 1989
Department of Information and Computer Science, University of California, Irvine	Research Assistant	1982 - 1988
Department of Information and Computer Science, University of California, Irvine	Teaching Assistant	1980 - 1985
Custom Data Services	Senior Partner	1980 - 1981
Interactive Computer Systems	Customer Support Manager	1978 - 1980
Interactive Computer Systems	Programmer	1977 - 1978
NCR Corporation	Programmer	1976 - 1977
Disneyland	Magic Demonstrator	1975 - 1976
Disneyland	Sales Clerk/Stock Person	1974 - 1975

LEAVES OF ABSENCE

University, Company or Organization at which Leave was taken	Type of Leave	Dates
University of California, Davis	Medical Leave	Jan 2023 - Mar 2023
University of British Columbia	Study Leave	Sep 2011 - Aug 2012

TEACHING

Courses Taught at UC Davis

Session	Course Number	Course Title	Class Size
Fal 2022	ECS 390	The Teaching of Computer Science (with Chris Nitta)	79
Sum 2022	ECS 32A	Introduction to Programming	70
Sum 2022	ECS 140A	Programming Languages	52
Sum 2022	ECS 188	Ethics in an Age of Technology	27
Spr 2022	ECS 32B	Introduction to Data Structures	203
Spr 2022	ECS 170	Introduction to Artificial Intelligence	124
Wtr 2022	ECS 32B	Introduction to Data Structures	159
Sum 2021	ECS 140A	Programming Languages	80
Sum 2021	ECS 170	Introduction to Artificial Intelligence	81
Sum 2021	ECS 188	Ethics in an Age of Technology	37
Spr 2021	ECS 170	Introduction to Artificial Intelligence	150
Spr 2021	ECS 188	Ethics in an Age of Technology	30
Sum 2020	ECS 50	Computer Organization and Machine Dependent Programming	59
Sum 2020	ECS 188	Ethics in an Age of Technology	34
Sum 2020	ECS 188	Ethics in an Age of Technology	40
Spr 2020	ECS 170	Introduction to Artificial Intelligence	173
Spr 2020	ECS 188	Ethics in an Age of Technology	45
Fal 2019	ECS 32B	Introduction to Data Structures	136
Fal 2019	ECS 140A	Programming Languages	82
Sum 2019	ECS 32B	Introduction to Data Structures	43
Sum 2019	ECS 50	Computer Organization and Machine Dependent Programming	42
Wtr 2019	ECS 32B	Introduction to Data Structures	237
Wtr 2019	ECS 50	Computer Organization and Machine Dependent Programming	122

Fal 2018	ECS 32B	Introduction to Data Structures	132
Fal 2018	ECS 140A	Programming Languages	185
Sum 2018	ECS 10	Introduction to Programming	68
Sum 2018	ECS 50	Computer Organization and Machine Dependent Programming	58
Sum 2018	ECS 188	Ethics in an Age of Technology	39
Spr 2018	ECS 140B	Programming Languages	63
Wtr 2018	ECS 188	Ethics in an Age of Technology	40
Fal 2017	ECS 10	Introduction to Programming	276
Fal 2017	ECS 50	Computer Organization and Machine Dependent Programming	147
Sum 2017	ECS 10	Introduction to Programming	50
Sum 2017	ECS 188	Ethics in an Age of Technology	41
Spr 2017	ECS 140B	Programming Languages	58
Spr 2017	ECS 188	Ethics in an Age of Technology	40
Wtr 2017	ECS 10	Introduction to Programming	256
Wtr 2017	ECS 15	Introduction to Computers	174
Fal 2016	ECS 10	Introduction to Programming	357
Fal 2016	ECS 50	Computer Organization and Machine Dependent Programming	137
Sum 2016	ECS 10	Introduction to Programming	47
Sum 2016	ECS 188	Ethics in an Age of Technology	42
Spr 2016	ECS 10	Introduction to Programming	169
Spr 2016	ECS 188	Ethics in an Age of Technology	48
Wtr 2016	ECS 10	Introduction to Programming	190
Wtr 2016	ECS 15	Introduction to Computers	180
Fal 2015	ECS 15	Introduction to Computers	171
Fal 2015	ECS 188	Ethics in an Age of Technology	49

Courses Taught at UBC

Session	Course Number	Course Title	Class Size
2015S-T2	CPSC 221	Basic Algorithms and Data Structures	159
2014W-T2	CPSC 319	Software Engineering Project	69
2014W-T1	CPSC 312	Functional and Logic Programming	160
2014S-T2	CPSC 121	Models of Computation	107
2013W-T2	CPSC 319	Software Engineering Project	75
2013W-T1	CPSC 312	Functional and Logic Programming	121
2013S-T2	CPSC 210	Software Construction	90
2013S-T1	CPSC 221	Basic Algorithms and Data Structures	98
2012W-T2	APSC 160	Introduction to Computation in Engineering Design (with Farshid Agharebparast)	221
2012W-T2	CPSC 319	Software Engineering Project	72
2012W-T1	CPSC 311	Definition of Programming Languages	76
2012W-T1	CPSC 312	Functional and Logic Programming	94
2011S-T1	CPSC 110	Computation, Programs, and Programming	35
2010W-T2	CPSC 110	Computation, Programs, and Programming	68
2010W-T1	CPSC 110	Computation, Programs, and Programming	118
2010W-T1	CPSC 312	Functional and Logic Programming	77
2010S-T1	CPSC 111	Introduction to Computation	83
2009W-T2	CPSC 319	Software Engineering Project	45
2009W-T1	CPSC 111	Introduction to Computation	121

2009W-T1	CPSC 312	Functional and Logic Programming	77
2009S-T1	CPSC 111	Introduction to Computation	79
2008W-T2	CPSC 319	Software Engineering Project	40
2008W-T1	CPSC 111	Introduction to Computation	147
2008W-T1	CPSC 312	Functional and Logic Programming	63
2008S-T2	CPSC 111	Introduction to Computation	32
2008S-T1	CPSC 111	Introduction to Computation (with Paul Carter)	66
2007W-T2	CPSC 319	Software Engineering Project	34
2007W-T2	CPSC 430	Computers and Society	77
2007W-T1	CPSC 111	Introduction to Computation	122
2007W-T1	CPSC 312	Functional and Logic Programming	50
2007S-T1	CPSC 111	Introduction to Computation	57
2006W-T2	CPSC 319	Software Engineering Project	57
2006W-T2	CPSC 430	Computers and Society	60
2006S-T1	CPSC 111	Introduction to Computation	62
2005W-T2	CPSC 319	Software Engineering Project	59
2005W-T2	CPSC 430	Computers and Society	78
2005W-T1	CPSC 111	Introduction to Computation	78
2005W-T1	CPSC 312	Functional and Logic Programming	47
2005S-T1	CPSC 111	Introduction to Computation	34
2004W-T2	CPSC 319	Software Engineering Project	74
2004W-T2	CPSC 111	Introduction to Computation	89
2004W-T1	CPSC 322	Introduction to Artificial Intelligence	94

Courses Taught at Georgia Tech

Session	Course Number	Course Title	Class Size
Spr 2004	CS 1371	Computing for Engineers	390
Fal 2003	CS 1321X	Introduction to Computing	54
Sum 2003	CS 4001	Computing and Society	35
Fal 2002	CS 1321X	Introduction to Computing	97
Spr 2002	CS 4650	Natural Language Understanding (with Jennifer Holbrook)	17
Spr 2001	CS 1321	Introduction to Computing	279
Fal 2000	CS 1311X	Introduction to Computing	134
Fal 1999	CS 1311X	Introduction to Computing	95
Spr 1999	CS 3411	Programming Language Concepts	34
Fal 1998	CS 2360/4730	Knowledge Representation and Processing	31
Spr 1998	CS 2360/4730	Knowledge Representation and Processing	80
Wtr 1998	CS 2360/4730	Knowledge Representation and Processing	74
Wtr 1998	CS 4344/7344	Natural Language Understanding	21
Fal 1997	CS 2360/4730	Knowledge Representation and Processing	83
Sum 1997	CS 2360/4730	Knowledge Representation and Processing	47
Spr 1997	CS 3803A	Graduate Study, Research, and Industry Jobs in Computing (with Jessica Hodgins and Bill Appelbe)	20
Wtr 1997	CS 2360/4730	Knowledge Representation and Processing	78
Fal 1996	CS 3361	Introduction to Artificial Intelligence	55
Spr 1996	CS 2360/4730	Knowledge Representation and Processing	48
Wtr 1996	CS 4344/7344	Natural Language Understanding	12
Fal 1995	CS 2360/4730	Knowledge Representation and Processing	46
Wtr 1995	CS 3361	Introduction to Artificial Intelligence	56
Fal 1994	CS 4344/7344	Natural Language Understanding	15

Spr 1994	CS 2360/4730	Knowledge Representation and Processing	53
Spr 1994	CS 8012X	Active Natural Language Processing	7
Wtr 1994	CS 2360/4730	Knowledge Representation and Processing	33
Spr 1993	CS 2360/4730	Knowledge Representation and Processing	17
Spr 1993	CS 4344/7344	Natural Language Understanding	11
Fal 1992	CS 3361	Introduction to Artificial Intelligence	46
Spr 1992	CS 4344/8114A	Natural Language Understanding	17
Wtr 1992	CS 8012E	Human Sentence Processing	5
Fal 1991	CS 1000	Information and Society (with Peter Freeman)	130
Fal 1991	CS 4803E	LISP Programming for Artificial Intelligence	14
Fal 1991	CS 6361	Artificial Intelligence	22
Fall 1991	CS 8113J	Conceptual Information Processing (with Janet Kolodner and Ashwin Ram)	12
Spr 1991	ICS 6361	Artificial Intelligence	24
Spr 1991	ICS 8113K	Computational Models of Human Language Comprehension	3
Wtr 1991	ICS 4803E	LISP Programming for Artificial Intelligence	14
Wtr 1991	ICS 8113K	Conceptual Information Processing (with Janet Kolodner and Ashwin Ram)	5
Fal 1990	ICS 4344	Natural Language Understanding	36
Spr 1990	ICS 3361	Introduction to Artificial Intelligence	57
Wtr 1990	ICS 8113B	Issues in Event Representation (with Dorrit Billman)	20
Fal 1989	ICS 4344	Natural Language Understanding	30

In addition, I taught several courses while I was a graduate student at UC Irvine, but sadly I have lost any records of those courses.

Teaching outside the university

Computer Programming and Social Training: a course for teens and pre-teens with Autism Spectrum Disorder, combining computer programming and social interaction skills. Eight students. Taught with Jenny Sojat at ABLE Developmental Clinic, West Vancouver, BC, 2014.

Computer Programming and Social Training 2: a course for teens and pre-teens with Autism Spectrum Disorder, combining computer programming and social interaction skills. Five students. Taught with Paul Carter and Claire Jones at the University of British Columbia, Vancouver, BC, 2015.

Graduate Students Supervised and/or Co-Supervised

Student Name	Program Type	Year		Principal Supervisor	Co-Supervisor(s)
		Start	Finish		
Kavi Mahesh	PhD Computer Science	1990	1995	Kurt Eiselt	

SCHOLARLY AND PROFESSIONAL ACTIVITIES

Research or equivalent grants

Granting Agency	Subject	Dollars Per Year	Year	Principal Investigator	Co-Investigator(s)
NSERC PromoScience	Computer Science Outreach Activities	$17,900 $15,833 $15,833	2010 2011 2012	Kurt Eiselt	Kimberly Voll
Skylight, UBC CS	Computer Science Outreach and Curriculum Development	$4,600	2006 - 2007	Paul Carter	Giuliana Villegas, Steven Wolfman, Kurt Eiselt
Skylight, UBC CS	vPortfolio -- Enhancing Student Learning through Video Portfolios	$5,057	2006 - 2007	Steven Wolfman	Paul Carter, Gayle Mavor, Kurt Eiselt
BNR/Northern Telecom	Understanding Design Requirements	$62,500 US	2 yrs	Ashok Goel	Kurt Eiselt

Invited Presentations

Invited member of panel on marker-passing at the Second Annual Workshop on Theoretical Issues in Conceptual Information Processing, New Haven, CT, 1985.

Invited member of panel on text processing at the Fall Joint Computer Conference, Dallas, TX, 1986.

Invited member of webinar with A. Decker and A. Begel on “Supporting Neurodivergent Students in Classrooms and into the Workplace” for AccessComputing, 2022.

Conference Participation

Associate Program Chair for the 51st ACM Technical Symposium on Computer Science Education (2020)

Planning committee member for the 50th Anniversary Celebration of the ACM Technical Symposium on Computer Science Education (2019)

Symposium co-chair for the 46th ACM Technical Symposium on Computer Science Education (2015)

Program co-chair for the 45th ACM Technical Symposium on Computer Science Education (2014)

Session chair for the 44th ACM Technical Symposium on Computer Science Education (2013)

Local arrangements chair for the 17th Western Canadian Conference on Computing Education (2012)

Evaluations chair for the 42nd ACM Technical Symposium on Computer Science Education (2011)

Poster sessions co-chair for the 40th ACM Technical Symposium on Computer Science Education (2009)

Program co-chair for the Sixteenth Annual Conference of the Cognitive Science Society (1994)

Program committee member for the 1994 AAAI Spring Symposium “Active NLP: Natural Language Understanding in Integrated Systems.”

Assistant to the program chair for the Seventh Annual Conference of the Cognitive Science Society (1985)

SERVICE TO THE UNIVERSITY

Memberships on committees

Departmental Committees at UC Davis

Chair, Computer Science Continuous Educational Improvement Committee, 2020 – present

Member, Computer Science Continuous Educational Improvement Committee, 2020 – present

Member, LPSOE Search Committee, Computer Science, 2017 – 2020

Chair, Computer Science Undergraduate Advisory Committee, 2017 – present

Member, Computer Science Undergraduate Advisory Committee, 2015 – present

Member, LPSOE Search Committee, Biological and Agricultural Engineering, 2015 – 2017

University Committees at UC Davis

Member, Disability Issues Administrative Advisory Committee, 2016 – present

Departmental Committees at UBC

Member, Student Development Committee, 2012 – 2015.

Member, Ad-Hoc Faculty Recruiting Planning Committee, 2011.

Chair, Outreach Committee, 2010 – 2011.

Member, Classroom Experience Committee, 2010 – 2011.

Member, Undergraduate Executive Committee, 2010 – 2011.

Member, Steering Committee, Carl Wieman Science Education Initiative/Computer Science, 2010 – 2011.

Associate Head for Undergraduate Affairs, 2009 – 2010.

Chair, Classroom Experience Committee, 2009 – 2010.

Chair, Undergraduate Executive Committee, 2009 – 2010.

Member, Finance Committee, 2009 – 2010.

Chair, Steering Committee, Carl Wieman Science Education Initiative/Computer Science, 2009.

Chair, Tenure Mini-Committee for Steve Wolfman, 2008 – 2009.

Chair, Hiring Committee, Carl Wieman Science Education Initiative/Computer Science, 2008 – 2009

Member, Teaching Committee, 2008 – 2009.

Member, Outreach Committee, 2008 – 2010.

Member, Undergraduate Executive Committee, 2008 – 2009.

Chair, Curriculum Committee, 2006 – 2009.

Chair, Undergraduate Affairs Committee, 2005 – 2006.

Member, *ad hoc* Student Recruiting/DTO (Doubling the Opportunity) Committee, 2005 – 2008.

Member, Communications Committee, 2005 -- 2006.

Chair, Communications Committee, 2005.

Member, Faculty Affairs Committee, 2005.

Member, Task Force on High School Outreach Efforts, 2005 – 2006.

Member, Sub-committee reviewing CPSC 121, 2005 – 2006.

Faculty Committees at UBC

Member, International Scholars Selection Committee, 2014 – 2015.

Member, Faculty of Science Curriculum Committee, 2006 – 2009.

Committees at Georgia Tech

Member, College of Computing/College of Engineering Task Force on Introductory Computing Courses, 2003 – 2004.

Member, campuswide SACS (Southeastern Association of Colleges and Schools) Compliance Certification Subcommittee, 2003

Member, campuswide Task Force on Introductory Computing Courses, 2002.

Member, campuswide Undergraduate General Education Requirements Committee, 2001.

Faculty advisor, Association for Computing Machinery, Georgia Tech student chapter, 1998 – 2002.

Member, campuswide Undergraduate Curriculum Committee, 1998 – 2001.

Faculty advisor, Omicron Delta Kappa, Georgia Tech chapter, 1995 – 1997.

Member, campuswide Connect With Tech Advisory Board, 1995 – 1996.

Member, Undergraduate Curriculum Committee, College of Computing, 1995 – 1996.

Member, campuswide Core Curriculum Committee, 1995 – 1996.

Member, campuswide search committee for Vice President of Student Services, 1994.

Member, Graduate Committee, College of Computing, 1993 – 1996.

Member, campuswide President's Scholarship Program Steering Committee, 1992 – 1996.

Member, campuswide Super Students/National Merit Scholars Day Committee, 1992 – 1993.

Member, campuswide Summer 1996 Academic Session Planning Committee, 1992 – 1993.

Member, campuswide Honor Code Committee, 1992 – 1994.

Member, Master's Program Subcommittee of the Graduate Committee, College of Computing, 1991 – 1996.

Member, campuswide CEISMC Undergraduate Advisory Committee, 1991 – 1993.

Member, Undergraduate Curriculum Revision Committee, College of Computing, 1991 – 1993.

Chair, campuswide CEISMC (Center for the Enhancement of Instruction in Science, Mathematics, and Computing) Subcommittee on Counseling, Orientation, and Evaluation, 1991 – 1992.

Liaison to Cognitive Psychology Faculty Search Committee, School of Psychology, 1991.

Chair, Human Relations Task Force, College of Computing, 1990 – 1992.

Member, Dean's Advisory Committee, College of Computing, 1990 – 1992.

Chair, Graduate Student Review Committee, College of Computing, 1990 – 1991.

Member, Graduate Student Review Committee, School of Information and Computer Science, 1989 – 1990.

SERVICE TO THE ACADEMIC COMMUNITY

Editorships

Co-editor for *Proceedings of the 46th ACM Technical Symposium on Computer Science Education*, 2015.

Co-editor for *Proceedings of the 45th ACM Technical Symposium on Computer Science Education*, 2014.

Co-editor for *Proceedings of the Sixteenth Annual Conference of the Cognitive Science Society*, 1994.

Reviewer for journals

Reviewer for *ACM Transactions on Computing Education* (2009).

Reviewer for *BioScience*.

Reviewer for *Communications of the ACM* (2011).

Reviewer for *IEEE Transactions on Parallel and Distributed Systems*.

Reviewer for *Journal of Applied Intelligence*.

Reviewer for *Journal of Computer Science Education*.

Reviewer for *Journal of the Learning Sciences*.

Reviewer for conferences

Reviewer for *Proceedings of the Eighth National Conference on Artificial Intelligence*.

Reviewer for *Proceedings of the Fourteenth Annual Conference of the Cognitive Science Society*.

Reviewer for *Proceedings of the Fifteenth Annual Conference of the Cognitive Science Society*.

Reviewer for *Proceedings of the Sixteenth Annual Conference of the Cognitive Science Society*.

Reviewer for *Proceedings of the 35th ACM Technical Symposium on Computer Science Education* (2004)

Reviewer for *Proceedings of the 40th ACM Technical Symposium on Computer Science Education* (2009)

Reviewer for *Proceedings of the 41st ACM Technical Symposium on Computer Science Education* (2010)

Reviewer for *Proceedings of the 42nd ACM Technical Symposium on Computer Science Education* (2011)

Reviewer for *Proceedings of the 43rd ACM Technical Symposium on Computer Science Education* (2012)

Reviewer for *Proceedings of the 44th ACM Technical Symposium on Computer Science Education* (2013)

Reviewer for *Proceedings of the 45th ACM Technical Symposium on Computer Science Education* (2014)

Reviewer for *Proceedings of the 46th ACM Technical Symposium on Computer Science Education* (2015)

Reviewer for *Proceedings of the 48th ACM Technical Symposium on Computer Science Education* (2017)

Reviewer for *Proceedings of the 49th ACM Technical Symposium on Computer Science Education* (2018)

Reviewer for *Proceedings of the 52nd ACM Technical Symposium on Computer Science Education* (2021)

Reviewer for *Proceedings of the 53rd ACM Technical Symposium on Computer Science Education* (2022)

Reviewer for *Proceedings of the 54th ACM Technical Symposium on Computer Science Education* (2023)

Reviewer for *ACM Richard Tapia Celebration of Diversity in Computing* (2019)

Reviewer for *ACM Richard Tapia Celebration of Diversity in Computing* (2020)

Reviewer for *ACM Richard Tapia Celebration of Diversity in Computing* (2021)

Reviewer for *ACM Richard Tapia Celebration of Diversity in Computing* (2022)

Other service

British Columbia representative to the Outreach Committee of the Canadian Association of Computer Science, 2011 – 2013.

AWARDS AND DISTINCTIONS

Awards for Teaching

2005 Department Teaching Award, Department of Computer Science, UBC.

2006 Department Teaching Award, Department of Computer Science, UBC.

2007 Department Teaching Award, Department of Computer Science, UBC.

2009 Department Teaching Award, Department of Computer Science, UBC.

2013 Department Teaching Award, Department of Computer Science, UBC.

Awards for Scholarship

Joseph J. Fischer Memorial Endowed Fellowship in Information and Computer Science for 1985-86, U.C. Irvine.

Regents' Dissertation Fellowship for Fall 1987, U.C. Irvine.

Other Awards

ACM Senior Member, 2012

Inducted in Omicron Delta Kappa honor society, 1995.

Memberships on scholarly societies

Member, Association for Computing Machinery, 1997 – present.

Member, ACM Special Interest Group on Computer Science Education, 1998 – present.

OTHER RELEVANT INFORMATION

M.S. Thesis Reader at UC Davis

Alexander Couvrette (2017)
Matic Likar (2023)

Undergraduate Thesis Advisor at UBC

Andrew Byers (2014)

M.S. Thesis Reader at UBC

Minghao Lu (2008)
Kuljeet Singh (2011)

Ph.D. Advisory Committees at Georgia Tech

Roy Turner
Elise Turner
Michael Redmond
Justin Peterson
Michael Cox
Kenneth Moorman
Anthony Francis
Marin Simina
Mike Byrne (Psychology)
Alan Kersten (Psychology)

M.S. Advisory Committees at Georgia Tech

Mike Byrne (Psychology)

Publications Record
Kurt Eiselt
May 1, 2023

REFEREED PUBLICATIONS

Journals

Teaching-Oriented Faculty at Research Universities, by the SIGCSE Teaching-Oriented Faculty Working Group (S. Wolfman, O. Astrachan, M. Clancy, K. Eiselt, J. Forbes, D. Franklin, D. Kay, M. Scott, and K. Wayne). *Communications of the ACM*, v. 54, no. 11, pp. 35-37, November 2011.

Conference Proceedings

STRATEGIST: A program that models strategy-driven and content-driven inference behavior, by R.H. Granger, K.P. Eiselt, and J.K. Holbrook. *Proceedings of the National Conference on Artificial Intelligence*, pp. 139-147. Los Altos, CA: William Kaufmann, 1983.

Interaction effects between word-level and text-level inferences: On-line processing of ambiguous words in context, by R.H. Granger, J.K. Holbrook, and K.P. Eiselt. Proceedings of the Sixth Annual Conference of the Cognitive Science Society, pp. 172-178. Conference sponsored by the Institute of Cognitive Science, University of Colorado, Boulder, 1984.

A parallel-process model of on-line inference processing, by K.P. Eiselt. *Proceedings of the Ninth International Joint Conference on Artificial Intelligence*, pp. 863-869. Los Altos, CA: Morgan Kaufmann, 1985.

A time-dependent distributed processing model of strategy-driven inference behavior, by K.P. Eiselt and R.H. Granger, Jr. *Program of the Ninth Annual Conference of the Cognitive Science Society*, pp. 704-714. Hillsdale, NJ: Lawrence Erlbaum, 1987.

Recovering from erroneous inferences, by K.P. Eiselt. *Proceedings AAAI-87 Sixth National Conference on Artificial Intelligence*, pp. 540-544. Los Altos, CA: Morgan Kaufmann, 1987.

Toward a unified theory of lexical error recovery, by K.P. Eiselt and J.K. Holbrook. *Proceedings of the Thirteenth Annual Conference of the Cognitive Science Society*, 1991.

A unified process model of syntactic and semantic error recovery in sentence understanding, by J.K. Holbrook, K.P. Eiselt, and K. Mahesh. *Proceedings of the Fourteenth Annual Conference of the Cognitive Science Society*, 1992.

Having your cake and eating it too: Autonomy and interaction in a model of sentence processing, by K.P. Eiselt, K. Mahesh, and J.K. Holbrook. *Proceedings of the Eleventh National Conference on Artificial Intelligence*, 1993.

KA: Integrating natural language processing and problem solving, by J. Pittges, K. Eiselt, A. Goel, A. Gomez, K. Mahesh, and J. Peterson. *Proceedings of the Fifteenth Annual Conference of the Cognitive Science Society*, 1993.

Uniform representations for syntax-semantics arbitration, by K. Mahesh and K.P. Eiselt. *Proceedings of the Sixteenth Annual Conference of the Cognitive Science Society*, 1994.

KA: Situating natural language understanding in design problem solving, by J. Peterson, K. Mahesh, A. Goel, and K. Eiselt. *Proceedings of the Sixteenth Annual Conference of the Cognitive Science Society*, 1994.

Unification of Language Understanding, Device Comprehension and Knowledge Acquisition, by A. Goel, K. Mahesh, J. Peterson, and K. Eiselt. *Proceedings of the Eighteenth Annual Conference of the Cognitive Science Society*, 1996.

Teaching Programming on the Autism Spectrum: An Experience Report, by K. Eiselt and J. Sojat. *Proceedings of the 20th Western Canadian Conference on Computing Education (WCCCE)*, 2015.

Understanding and Improving the Culture of Hackathons: Think Global Hack Local, by A. Decker, K. Eiselt, and K. Voll. *Proceedings of the 2015 IEEE Frontiers in Education Conference*, 2015.

Integrating Social Skills Practice with Computer Programming for Students on the Autism Spectrum, by K. Eiselt and P. Carter. *Proceedings of the 2018 IEEE Frontiers in Education Conference*, 2018.

Using the CS2013 Exam for ABET Student Outcome Assessment, by C. Nitta and K. Eiselt. *Proceedings of the 51st ACM Technical Symposium on Computer Science Education,* 2020. (poster)

Using a Comprehensive Third-Party Exam for ABET Student Outcome Assessment, by C. Nitta and K. Eiselt. *Proceedings of the 52nd ACM Technical Symposium on Computer Science Education,* 2021.

Other

The parallel organization of lexical, syntactic, and pragmatic inference processes, by R.H. Granger, K.P. Eiselt, and J.K. Holbrook. *Proceedings of the First Annual Workshop on Theoretical Issues in Conceptual Information Processing*, pp. 97-106. Symposium sponsored by the School of Information and Computer Science, Georgia Institute of Technology, 1984.

A theory of representation for understanding stories in multi-agent adversarial domains, by K. Mahesh, K.P. Eiselt, and A. Ram. *Working Notes of the AAAI Workshop on Adversarial Reasoning*, 1990 (in conjunction with the Eighth National Conference on Artificial Intelligence).

Myth and marker passing, by K. Eiselt. *Working Notes of the AAAI Spring Symposium on Connectionist Natural Language Processing*, 1991.

Embedded structures and marker passing for language understanding, by K. Mahesh and K. Eiselt. *Working Notes of the AAAI Spring Symposium on Connectionist Natural Language Processing*, 1991.

Together again: Re-integrating problem solving and language understanding, by A. Goel and K. Eiselt. *Working Notes of the AAAI Spring Symposium on Integrated Intelligent Architectures*, 1991.

Representation and use of function in natural language understanding, by J. Pittges, K. Eiselt, A. Goel, A. Gomez de Silva Garza, K. Mahesh, and J. Peterson. *Working Notes of the AAAI-93 Workshop on Reasoning About Function*, 1993 (in conjunction with the Eleventh National Conference on Artificial Intelligence).

KA: Integrating design problem solving and natural language understanding, by K. Mahesh, J. Peterson, A. Goel, and K. Eiselt. *Working Notes of the AAAI Spring Symposium on Active NLP: Natural Language Understanding in Integrated Systems*, 1994.

Is programming worthwhile? by K. Eiselt. *Working Notes of the AAAI Fall Symposium on Improving Instruction of Introductory Artificial Intelligence,* 1994.

REFEREED PANEL PRESENTATIONS

Decker, A., Begel, A., Eiselt, K., and Shah, O. “Supporting Neurodivergent Students in Classrooms and into the Workplace”, Panel Session at Richard Tapia Celebration of Diversity in Computing 2022, Washington, DC.

NON-REFEREED PUBLICATIONS

Conference Proceedings

Error recovery and the architecture of the human sentence processor, by K. Eiselt and K. Mahesh. *Proceedings of the Fifth Annual CUNY Conference on Human Sentence Processing* (abstract only), 1992.

A computational architecture for natural language understanding, by K. Mahesh and K. Eiselt. *Proceedings of the 1992 SouthEast Cognitive Science Conference* (abstract only), 1992.

The beauties of language, by J. Peterson, D. Billman, and K. Eiselt. *Proceedings of the Fifth Annual CUNY Conference on Human Sentence Processing* (abstract only). Also appears in *Proceedings of the 1992 SouthEast Cognitive Science Conference*, 1992.

Interaction and independence between syntax and semantics: A computational model, by K. Mahesh and K. Eiselt. *Proceedings of the Sixth Annual Conference on Human Sentence Processing* (abstract only), 1993.

The correspondence between syntax and semantics: What's verb argument structure got to do with it? by J. Peterson, D. Billman, and K. Eiselt. *Proceedings of the Sixth Annual Conference on Human Sentence Processing* (abstract only), 1993.

Other

Mental models, text interpretation, and knowledge acquisition, by A.K. Goel and K.P. Eiselt. *SIGART Bulletin*, *2* (4), 75-78.

BOOKS

Edited

Proceedings of the Sixteenth Annual Conference of the Cognitive Science Society. A. Ram and K. Eiselt (Eds). Hillsdale, NJ: Lawrence Erlbaum, 1994.

Proceedings of the 45th ACM Technical Symposium on Computer Science Education. J.D. Dougherty, K. Nagel, A. Decker, and K. Eiselt (Eds). New York: ACM, 2014.

Proceedings of the 46th ACM Technical Symposium on Computer Science Education. A. Decker, K. Eiselt, J. Tims, and C. Alphonce (Eds). New York: ACM, 2015.

Chapters

Parsing with parallelism: A spreading-activation model of inference processing during text understanding, by R.H. Granger, K.P. Eiselt, and J.K. Holbrook. In J.L. Kolodner and C.K. Riesbeck (Eds.), *Experience, Memory, and Reasoning*, pp. 227-246. Hillsdale, NJ: Lawrence Erlbaum, 1986.

(Almost) never letting go: Inference retention during text understanding, by J.K. Holbrook, K.P. Eiselt, R.H. Granger, Jr., and E.H. Matthei. In S.L. Small, G.W. Cottrell, and M.K. Tanenhaus (Eds.), *Lexical Ambiguity Resolution: Perspectives from Psycholinguistics, Neuropsychology, and Artificial Intelligence*, pp. 383-409. San Mateo, CA: Morgan Kaufmann, 1988.

Process independence and concurrency in a model of sentence understanding, by K.P. Eiselt and R.H. Granger, Jr. In G. Adriaens and U. Hahn (Eds.), *Parallel Natural Language Processing*. Norwood, NJ: Ablex Publishing, 1994.

Sentence Processing in Understanding: Interaction and Integration of Knowledge Sources, by K. Mahesh, K.P. Eiselt, and J.K. Holbrook. In A. Ram and K. Moorman (Eds.), *Understanding Language Understanding: Computational Models of Reading*, pp. 27-72. Cambridge, MA: MIT Press, 1999.