

Curriculum Vitae
JAMES F. ALLEN
June 2018

Birth: March 25, 1950, London, England
Citizenship: U.S.
Marital Status: Married

EDUCATION:

B.Sc., Computer Science (with honors), University of Toronto, 1973
M.Sc., Computer Science, University of Toronto, 1974
Ph.D., Computer Science, University of Toronto, 1979

HONORS:

Presidential Young Investigator Award, 1984-1989
Who's Who in America
Elected as Founding AAAI Fellow, 1990
Curtis Award for Excellence in Graduate Teaching, U. Rochester, 1997
Best Demonstration, Mtg of North American Assoc. for Computational Linguistics (NAACL), 2007
Best Paper, National Conference on Artificial Intelligence (AAAI), 2007
7th most cited paper in *Journal of Artificial Intelligence*, 6th in the *Communications of the ACM*, 3rd in *Journal of Logic and Computation*, 4th in *International Journal of Intelligent Systems*, and 25th in *Proc. Association for the Advancement of Artificial Intelligence* [Google Scholar, 2014]
Patent: US 20090119587 Interactive complex task teaching system

PROFESSIONAL EXPERIENCE:

From	To	Position
2012	2013	Scientific Advisory Board, Vulcan/Allen Institute for Artificial Intelligence
2006	Present	Associate Director, Florida Institute for Human and Machine Cognition
1992	Present	John H. Dessauer Professor of Computer Science, U. Rochester
2007		Arrangements Chair, <i>Pathways to a Sustainable World</i> , Rochester, NY
2007		Local Arrangements Chair, North American Assoc. for Computational Linguistics (NAACL), Rochester, NY 2007
2000	2007	Editorial Board (for Natural Language Processing), <i>AI Magazine</i>
2002	2005	Pace Eminent Scholar, Institute for Human and Machine Cognition, University of West Florida
1999	2002	Advisory Committee, Computer and Information Science and Engineering Directorate, National Science Foundation
1999	2002	Advisory Committee, Environmental Research and Education, National Science Foundation
1999		General Chair, <i>6th Int'l Workshop on Temporal Rep. and reasoning (TIME-99)</i>
1998		General Chair, <i>4th Int'l. Conference on AI Planning Systems</i> , Pittsburgh
1996	1998	Co-Director, Center for Sciences of Language, University of Rochester
1992	1996	Director, Cognitive Science Program, University of Rochester
1983	1993	Editor-in-Chief, Computational Linguistics

1987	1992	Professor of Computer Science, U. Rochester
1991		General Chair, <i>2nd Int'l. Conf. on Principles of Knowledge Representation and Reasoning</i>
1987	1990	Chairman of Computer Science, University of Rochester
1984	1987	Associate Professor of Computer Science, University of Rochester
1978	1984	Assistant Professor of Computer Science, University of Rochester

DOCTORAL DISSERTATIONS SUPERVISED:

Year	Name	Thesis Title	Current Position
2017	Nasrin Mostafazadeh	From event to story understanding	Research Scientist, Elemental Cognition
2017	Omid Bahkshandeh	Language learning through comparison	Formed his own startup
2016	Ian Perera	Perceptual Symbol Grounding Through Natural Language Interaction and Learning	Research Scientist, Institute for Human and Machine Cognition
2015	Walter Lasecki	Crowd Agents: Interactive Intelligent Systems Powered by the Crowd	Faculty, University of Michigan
2013	Mehdi Manshadi	Dealing with Quantifier Scope Ambiguity in Natural Language Understanding	Research Scientist, Google Research
2012	Naushad UzZaman	Interpreting the Temporal Aspects of Language	Research Scientist, Nuance
2011	Philip Michalak	Task Model Reasoning	
2011	Carlos Gomez Gallo	Incremental Planning Across and Within Clauses	Post-doc, University of Miami
2008	Ellen Campana	Natural vs Standardized Approaches to Spoken System Design	Research Scientist, Apixio
2006	Nate Blaylock	Statistical Plan Recognition	Research Scientist, Nuance
2004	Joel Tetreault	Empirical Evaluations of Pronoun Resolution	Research Scientist, Nuance
2004	Myroslava Dzikovska	A practical Semantic Representation for Natural Language Parsing	Research Scientist, University of Edinburgh
2003	Lucian Galescu	Hierarchical Language Modeling for Speech Recognition	Research Scientist, Institute for Human and Machine Cognition
2002	Donna Byron	Resolving Pronominal Reference to Abstract Entities	Research Scientist, IBM
2001	Amanda Stent	Dialogue Systems as Conversational Partners	Research Scientist, AT&T Research
2000	Eric Ringger	Error Correction Methods for Robust Speech Recognition	Assoc. Prof., Brigham Young University

1997	Lou Hoebel	A Practical Temporal Reasoning System	Research Scientist, General Electric R & D
1997	Peter Heeman	Speech Repairs, Intonational Boundaries and Discourse Markers: Modeling Speakers' Utterances in Spoken Dialog	Assoc. Professor, Dept. Computer Science, Oregon Graduate Institute
1995	David Traum	A computational theory of grounding in natural language conversation	Research Scientist, ICT-USC
1995	George Ferguson	Knowledge representation and reasoning for mixed-initiative planning	Research Scientist, University of Rochester
1994	Nat Martin	Applying statistical inference to planning under uncertainty	Research Scientist, Xerox Research Center
1989	Elizabeth Hinkelman	A plan-based theory of conversational implicature	TASC
1989	Johannes Koomen	Reasoning about recurrence	SUNY Geneseo
1989	Jay Weber	Principles and algorithms for causal reasoning	CTO, Manyone Networks
1988	Richard Pelavin	A formal logic for planning with concurrent actions and external events	Cisco Systems
1987	Henry Kautz	A formal theory of plan recognition	
1986	Alan Frisch	Knowledge retrieval as limited inference on specialized representations	Professor, University of York
1985	Diane Litman	Plan recognition and discourse analysis	Professor, University of Pittsburgh
1985	Gary Cottrell	A connectionist scheme for modeling human language processing	Professor, UCSD
1983	Mark Kahrs	Silicon compilation of very high level languages	
1982	Andrew Haas	Mental states and mental actions in planning	Professor, SUNY Albany
1981	Donald Perlis	Language, computation, and reality	Professor, University of Maryland

INVITED LECTURES SINCE 1990 (K=keynote, D=distinguished lecture, P=invited plenary, I=invited)

2018	I	<i>Spatial Language Understanding</i>	<i>1st Intl Workshop on Spatial Language Understanding</i>
2017	I	<i>Events in Language and Reasoning</i>	EventStory Workshop, ACL 2017, Vancouver, CA
	K	<i>Dialog as Collaborative Problem Solving</i>	Keynote address. INTERSPEECH, Stockholm, Sweden
	K	<i>Deep Language Understanding</i>	30th Mtg of Florida AI Society, Marco Island, FL
2014		<i>Deep Language Understanding</i>	Google Tech Talks, Google, Mountain View, CA

2012		<i>Deep Language Understanding</i>	Michigan State Distinguished Speakers in Cognitive Science Lecture
2011		<i>Common ground: What are We doing?</i>	AAAI Symposium on Common Ground, Arlington, VA
2010	K	<i>A New Era for Natural Language Processing</i>	SpeechTek, New York, New York
	I	<i>Learning by Deep Language Understanding</i>	DARPA Kick-off Meeting on Machine Reading. St. Petersburg, FL
2009	I	<i>Intentions in Dialogue</i>	Workshop on Situated Intention, University of Pennsylvania, Philadelphia, PA
	I	<i>Dialogue as Collaborative Problem Solving</i>	Workshop on Unified Theories of Language and Cognition, RPI, Troy, NY
	D	<i>Deep Language Understanding</i>	DARPA Distinguished Lecture Series, Washington, DC
	I	<i>Defining Locality</i>	1st Intl. Conf. On Computational Sustainability, Ithaca, NY
	I	<i>Deep Language Understanding</i>	Dept. Of Computer Science, Northwestern, Chicago, IL
2008	K	<i>Dialogue as Collaborative Problem Solving</i>	Fourth International Workshop on Human-Computer Conversation, Bellagio, Italy
	I	<i>PLOW: A Collaborative Task learning Agent</i>	Microsoft Research, Redmond, WA.
	D	<i>Language as Collaborative Problem Solving</i>	Distinguished Lecture Series, Dept. Of Computer Science and Engineering, University of Minnesota.
	I	<i>A Collaborative Task Learning Agent</i>	Shannon AT&T Labs, New Jersey
	I	<i>A Collaborative Task Learning Agent</i>	Information Science Colloquium, Cornell University.
2007	I	<i>PLOW: one-shot learning from demonstration and dialogue</i>	Workshop on <i>Acquiring Planning Knowledge from Demonstration</i> , AAAI-07, Vancouver, BC
2006	K	<i>"Portable Spoken Dialogue Systems"</i>	22nd annual conference of the SEPLN - Sociedad Española de Procesamiento del Lenguaje Natural, Zaragoza, Spain, September
	K	<i>"A Robust Dialogue Agent for Collaborative Problem Solving"</i>	Brandial Conference, Potsdam, Germany, September
2005	P	<i>"Towards Robust Agent-based Dialogue Systems"</i>	IEEE Automatic Speech Recognition and Understanding Workshop, Puerto Rico, December
	D	<i>Spoken Dialogue as Collaborative Problem Solving"</i>	Foundations of Cognitive Science seminar series, Ohio state University, April
	K	<i>"Taking Humans Seriously in Supporting Decision Making in a Complex Changing World"</i>	AAAI Spring Symposium on Challenges to Decision Support in a Changing World, Stanford University, March
2004	K	<i>"Towards Portable Spoken Dialogue Systems"</i>	IBERAMIA, Puebla, MX, November
	I	<i>"Collaborative Problem Solving Model of Dialogue"</i>	IIMAS, UNAM, Mexico City, November

	I	"A Framework for Human Machine Collaboration"	U. of Bologna, Italy, February
2003	P	"Towards Conversational Human-Machine interaction"	LISP Users Conference, New York City, October
	I	"Key Issues in Dialogue Processing"	North American Association for Computational Linguistics, Edmonton, AL
2002	P	"Towards a generic Spoken Dialogue System"	15th Annual Conf. of the Florida Artificial Intelligence Research Society (FLAIRS), Pensacola, FL, May
	K	"Scalable Spoken Dialogue Systems"	Workshop on Scalable Natural language Understanding Systems, Heidelberg, Germany
2001	K	"Towards Conversational Human-Machine interaction"	The Annual Conference on Intelligent User Interfaces, Santa Fe, NM
	K	"Towards Robust, Real-time, Deep Understanding,	4 th Workshop on Computational Semantics, Tilburg, The Netherlands, January
	I	"A Dialogue Model based on Collaborative Problem Solving"	Dept. of Computational Linguistics, University Saarlands, Saarbrucken, Germany, December
	I	"Towards Robust, Real-time "Deep" Understanding"	Dept. of Computer Science, Northwestern University, April
	I	"Spoken Language Systems and Human Communication"	Institute for Human and Machine Cognition, Pensacola, FL, March Cognitive Science Lecture Series, Northwestern University, April
2000	P	"Spoken Language Systems and Human Communication"	University of Mexico (UNAM), Mexico City. Also televised on Mexican Educational TV, December
	I	"Dialogue and Problem Solving"	2nd workshop on Inference in Computational Semantics (ICoS-2), Dagstuhl, Germany, July
	K	"Spoken Dialogue Systems and Human Communication"	The Annual Meeting of the Cognitive Science Society, University of Pennsylvania, August
1999	I	"Dialogue Systems for Call Centers"	Microelectronics and Computer Corporation (MCC), Austin, TX, May
	I	"Enabling Human-Machine Dialog"	Dept. of Computing Science, University of Mexico, Mexico City
	I	"Conversational Agents"	University of Pennsylvania Cognitive Science Colloquium, January Dept. Computer Science, Technical University of Monterey (ITESM), Cuernavaca, Mexico, April Dept. of Computer Science, New Technical University, Lisboa, Portugal, May
1998	K	"Temporal Reasoning and Plan Management"	Fifth Int'l Workshop on Temporal Representation and reasoning (TIME-98), Sanibel Island, FL
	K	"Human-Computer Collaborative Planning"	IBERAMIA-98:, Lisbon, Portugal, October
	I	"Dialogue Systems for Interactive Problem Solving",	MIT Spoken Language Systems Group Seminar, October
	I	"Conversational Planning Agents"	University Buffalo Cognitive Science Colloquium, January

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