

# Conference talks of James Brakefield

Column header info at bottom

Date	For mat	Topic	Aut hor	Nature	Where	Web Link	locac tion	Title	Comments	Abstract
6/27/2004	pdf	NN	JCB	info	Santa Fe		Git hub	<b>Use of Neural Models for Cognitive Processing</b>	2004 Sandia-UNM Cognitive Systems Workshop	Results of a feasibility study show that system level neuron and synapse models can be implemented in affordable scalable real-time systems
2/1/1994			JCB		San Jose		Web page	Subpixel resolution with steerable filters. SPIE/IS&T Symposium on Electronic Imaging, San Jose CA, Feb 94.	web search finds paper, hangs	The paper relates the approach taken to biological vision and its characteristic of hyperacuity. And to the subject of model building and model fitting.
2/1/1994			Longbotham et al	paper	San Jose			Use of ANNs, fuzzy logic, and stereo algorithms for automated inspection of traces in multilayer printed circuit boards. SPIE/IS&T Symposium on Electronic Imaging, San Jose CA, Feb 94.	H.G. Longbotham, D. Shelton, J. Zhou, J.C. Brakefield & H. Kothari	
6/1/1992			JCB		Forth conf		Git hub	Forth in the extra-extra large (64-bit Forth). Presented at Rochester Forth Conference, Jun 92.		
6/1/1992			JCB et al	poster paper			Git hub	1992. 3-D analysis of the fundus. Poster paper at UTHSC symposium on Imaging in Ophthalmology, San Antonio TX, Jun 92.	Brakefield, J.C., W.D. Kosnik, and L. Marout	
2/1/1992			Thomas et al	paper	San Jose			A test of Wilson's human spatial vision model for complex "real-world" detection and discrimination. SPIE/IS&T Symposium on Electronic Imaging, San Jose CA, Feb 92, Vol 1666:408.	Thomas S.R., J.C. Brakefield, and N. Barsalou	
10/1/1991			Thomas et al	paper				1991. Does Wilson's human spatial vision model hold for complex "real-world" target detection? Armstrong Laboratory Meeting on Applied Vision Models, Williams AFB, Oct 91.	Thomas, S.R., J.C. Brakefield, N. Barsalou, and R.M. Cartledge	
9/1/1991			Kosnik et al					1991. Target acquisition comparing uniform and natural terrain backgrounds. Human Factors Society annual meeting, San Francisco CA, Sep 91.	Kosnik, W.D., J.C. Brakefield, A.J. Catalano, D.J. Stolarski, G.D. Noojin, and W.R. Elliott	
5/1/1991			JCB					Brakefield, J.C. 1991. Challenges for Forth. Proceedings of SigForth 1991, San Antonio, TX, May 91.		
5/1/1991			Thomas et al					1991. Test of Wilson's spatial vision model for complex target detection. Presented at the Florida State University Psychobiology Mini-Symposium in Honor of Professor Howard D. Baker, Tallahassee, FL, May 91.	Thomas, S.R., J. Brakefield, M. Myers, and N. Barsalou	
9/1/1990			JCB					In-house Seminar: "An Introduction to PV~WAVE," Sep 1990		
7/1/1990			JCB et al	paper				1990. Wavelet implementations and their usage in early vision. Presented at SIAM Annual Meeting, Chicago, IL, Jul 90.	Brakefield, J.C., N. Barsalou, and H.G. Longbotham	
2/1/1990			Barsalou et al	paper				1990. Visualization of laser effects. Presented at Lasers on the Modern Battlefield, Presidio of San Francisco, CA, Feb 90.	Barsalou, N., L. McLin, M. Nelson, J. Brakefield, and D. Varner	
9/1/1988			JCB	poster paper		<a href="https://www.sciencedirect.com/journal/neural-networks/vol/1/suppl/S1">https://www.sciencedirect.com/journal/neural-networks/vol/1/suppl/S1</a>		Brakefield, J.C. 1988. Perspectives on neural networks. First INNS annual meeting, Sep 88.	poster paper	
10/1/1985	pdf	Forth	JCB	talk	Rochester Forth Conf		Git hub	An Alternate Forth Dictionary Structure		The data structures used for definitions and the word search of Forth can facilitate various utilizations of the same. My goal is completeness and efficiency.
6/1/1984	scan pdf	user interface	JCB	paper	DECUS Cincinnati		Git hub	<b>Brakefield, J.C. 1984. A RT-11 Fortran prompting library. Proceedings of the Digital Equipment Computer Users Society, p. 411.</b>	Standing room only with people down the hall	A Fortran subroutine library that greatly facilitates programming the user interface. The prompting routines accept a default value, upper and lower limits, a prompt string and the conversion radix. There routines prompt the user for a new value, validate and modify the value, and return a code reflecting the user response.

10/1/1977	txt	fltg-pt	JCB & Matt Quinn	paper	Huntsville	<a href="https://ntrs.nasa.gov/citations/19780042284">https://ntrs.nasa.gov/citations/19780042284</a>	Web page	Variable length data formats. Data Management Symposium; Huntsville, AL; Oct 1977 Proceedins p. 243-253.	J. C. Brakefield and <b>M. J. Quinn</b>	All the sundry floating-point formats I had collected at the time
			JCB					Brakefield, J.C. 1987. Our experience with user interfaces. 2nd Annual User System Interface Conference.		
			JCB					Brakefield, J.C. 1987. Data structure unification. 1987 FORML Conference Proceedings.		
			JCB					Brakefield, J.C. 1987. Neuralizing signal space, address space, and symbol space. 1987 FORML Conference Proceedings.		
			JCB					Brakefield, J.C. 1987. Two years of microVAXing: lessons learned. Proceedings of the Digital Equipment Computer Users Society.		
			JCB					Brakefield, J.C. 1984. Address space unification and Forth. Rochester Forth Conference Proceedings, p. 101.		

Column B	Date	presentation date or publication date
Column C	Format	powerpoint, PDF, txt, scanned pdf, docx, doc, xlsx, xilinx ISE project
Column D	Topic	one or two words
Column E	Author	JCB: James C. Brakefield, others as listed in comments
Column F	Nature	info (STEM level presentation), course, paper, patent, report
Column G	Where	Where presented, often IEEE Lonestar section at LMAG or Computer chapter
Column H	Web Link	Web page for paper or presentation
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