

# Reports of James Brakefield

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Date	For mat	Topic	Aut hor	Nature	Where	Web Link	locac tion	Title	Comments	Abstract
2/21/2023	pptx	FPGA ed	JCB	info	C16	<a href="https://events.vtools.ieee.org/m/345505">https://events.vtools.ieee.org/m/345505</a>	Web page	Progress report and Education Review and update on FPGA Boot Camp grant	Abbreviated slides, full slides at github	A look at more advanced FPGA education: boards, tools and research. Slide deck includes link to \$20 FPGA Kit sildes
1/27/2023	pptx	FPGA	JCB	report		<a href="https://github.com/jimbrake/20-dollar-FPGA-kit">https://github.com/jimbrake/20-dollar-FPGA-kit</a>	Git hub	A \$20 FPGA kit	Pictures of each component on the web page	One of the goals of the FPGA Boot Camp grant was a lowest cost FPGA kit. Using a \$14 FPGA board from China it is possible.
3/7/2016	ISE proj	uP Arch	JCB	report	open cores	<a href="https://opencores.org/projects/rois">https://opencores.org/projects/rois</a>	Git hub	Register Oriented Instruction Sets.	rois24_24min.zip /jimbrake/ISA-Exploratorium/tree/ROIS24_24	architectural exploration with a goal of a high performance FPGA soft core processor
2/22/2014	pdf, xlsx	soft uP	JCB	spread sheet	open cores	<a href="https://opencores.org/projects/up_core_list/">https://opencores.org/projects/up_core_list/</a>	Web page	An inventory of soft processor cores. Processor project at www.opencores.org	<a href="https://github.com/jimbrake/cpu_soft_cores">https://github.com/jimbrake/cpu_soft_cores</a>	An Inventory of mostly open-source Soft Core Processors. Although many have FPGA stats, many do not. Very large spreadsheet
4/8/2005	ISE	uP Arch	JCB	report	open cores	<a href="https://opencores.org/projects/lem1_9min">https://opencores.org/projects/lem1_9min</a>	Web page	Logic Emulation Machine Processor project at www.opencores.org & github.com/jimbrake/lem1_9min	Four new variants of LEM1_9 are now implemented:	Small soft core processors that operate on a single bit (or four bits) of data at a time. Can be used for logic simulation, software interrupt handlers, low resource soft-core processing and BCD calculators.
8/1/1988	scan pdf	Laser Lab	Zuclich etal	report	DTIC	<a href="https://apps.dtic.mil/sti/citations/ADA200528">https://apps.dtic.mil/sti/citations/ADA200528</a>	Web page	Research on the ocular effects of laser radiation: executive summary, SAM-TP-88-8, Sep 88.	Zuclich, J.A., R.D. Glickman, D.C. Varner, W.D. Kosnik, J.C. Brakefield	evaluate the bioeffects of laser radiation in order to quantify threats, primarily losses of visual function transient or permanent
3/1/1979	scan pdf	Laser Lab	Zuchlich etal	report	DTIC	<a href="https://apps.dtic.mil/sti/citations/ADA068022">https://apps.dtic.mil/sti/citations/ADA068022</a>	Web page	Research on the ocular effects of laser radiation	Zuclich, J.A., G.A. Greiss, J.M. Harrison, and J.C. Brakefield	ELECTRONICS AND SOFTWARE FOR THE VISUAL STIMULUS LAB
3/1/1979	scan pdf		Zuchlich etal	report				1979. Research on the ocular effects of laser radiation. Technology Incorporated, Second Annual Report, Contract F33615-77-C-0615, USAF School of Aerospace Medicine.	Zuclich, J.A., G.A. Greiss, J.M. Harrison, and J.C. Brakefield	
4/1/1978	scan pdf		Zuchlich etal	report	DTIC	<a href="https://apps.dtic.mil/sti/citations/ADA068022">https://apps.dtic.mil/sti/citations/ADA068022</a>	Web page	1978. Research on the ocular effects of laser radiation. Technology Incorporated, Annual Report, Contract F33615-77-C-0615, USAF School of Aerospace Medicine.	Zuclich, J.A., G.A. Greiss, J.M. Harrison, and J.C. Brakefield	

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
Column I	location	Location of slides/paper: listed Web page, Github (github/jimbrake), opencores.org, other
Column J	Title	Web page title and pptx file title may differ
Column K	Comments	Side information
Column L	Abstract	Culled from web page announcement or source file