

Massively Parallel Adaptive Computing Workshop

March 2-3, 2009

Portland, OR, USA

Day	Time		Session A	
	Start	Duration		
Monday	7:00	1:00	Registration & Continental Breakfast	
March 2				
2009	8:00	0:30	Welcome - Faye	
	8:30	0:30	Welcome - Dan	
			Morning Talks Part 1	
	9:00	0:30	James Albus	Reverse Engineering The Human Visual System
	9:30	0:30	Misha Pavel	Fusion-Based Robust Signal Processing by Humans and Machines
	10:00	0:30	Coffee Break	
			Morning Talks Part 2	
	10:30	0:30	Rick Granger	Nonstandard engineering principles of brain circuits
	11:00	0:30	Jim Anderson	What can you do with your brain-inspired computer now that you've built it?
	11:30	0:30	Dileep George	A mathematical canonical cortical circuit model, that can help build future-proof parallel architectures.
	12:00	0:30	Greg Hornby	The ALPS-EA for Robust, Massively Parallel Optimization
	12:30	1:00	Lunch	
			Afternoon Talks Part 1	
	13:30	0:30	Greg Snider	Stable learning in networks of unreliable, memristive nanodevices
	14:00	0:30	Karlheinz Meier	VLSI Implementations of Very Large Scale Neuromorphic Circuits - Achievements, Challenges and Hopes
	14:30	0:30	Kwabena Boahan	Neurogrid: Emulating a million neurons in the cortex
	15:00	0:30	Coffee Break	

			Afternoon Talks Part 2	
	15:30	0:30	Bruce Schachter	Neuromorphic Target Cues
	16:00	0:30	Bob (Robert) Thibadeau	When the storage device becomes the computer
	16:30	0:30	Pradeep Dubey	Massive Data Computing
	17:00	0:30	Craig Rasmussen	PetaVision: A Software Architecture for Performing Petascale Simulations of Visual Cortex
	17:30	1:00	Break	
	18:30	2:30	Dinner	
	21:00	1:00	Start Breakout Discussions	
Tuesday	7:00	1:00	Continental Breakfast	
March 3	8:00	3:15	Breakout Discussions & Write-Up	
2009				
	11:15	0:30	Coffee Break	
			Breakout Summaries 1	
	11:45	0:30	Programmability of Existing Approaches	
	12:15	0:30	Scalable Algorithms and Applications	
	12:45	1:00	Lunch	
			Breakout Summaries 2	
	13:45	0:30	Platform and Silicon Architectures	
	14:15	0:30	Technology Gaps & Potential Solutions	
	14:45	0:15	OPEN VOTE	
	15:00	0:15	Wrap-Up	
	15:15			