Basic Research Innovation and Collaboration Center (BRICC)
4075 Wilson Boulevard, Suite 350
Arlington, VA 22203

AGENDA Day 1 – Monday, November 16, 2014

Time	Title of Project	Speaker
8:00-8:45	Registration	
8:45-9:00	Welcome/Logistics	**James Lawton**, Air Force Office of Scientific Research
9:00-9:40	Towards a Greater Understanding of the Cerebellum	**Peter Stone,** University of Texas At Austin
9:40-10:20	Fundamental Neuroinformation Processing	**Aurel Lazar,** Columbia University
10:20-10:40	**BREAK**	
10:40-11:20	A Neurocomputational Process for Visual Attention and Reasoning	**John Tsotsos,** York University
11:20-12:00	Spike Timing-Dependent Learning Circuits for Temporal Pattern Recognition and Cl	**Kurtis Cantley**, Boise State University
12:00-1:20	**LUNCH**	
1:20-2:00	Systems-Theoretic Analysis and Optimization of Biophysical Neuronal Networks	**Shinung Ching,** University of Washington
2:00-2:40	Stochastic Resonance and Perceptual Decision Making Under Inattention	**Hakwan Lau,** University of California, Los Angeles
2:40-3:00	**BREAK**	
3:00-3:40	Scalable Photonic Machine for Neuromorphic Computation	**Damian Rontini,** Supélec - Ecole Supérieure d'Electricité
3:40-4:20	Learning Multisensory Representations	**Robert Jacobs,** University of Rochester
4:20-5:00	Cognitive-Neuromorphic Computing Architectures for Complex Event Analytics	**Douglass Scott,** AFRL/RH
5:00	**ADJOURN FOR THE DAY**	

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AGENDA Day 2 – Tuesday, November 17, 2014

Time	Title of Project	Speaker
8:00-8:45	Registration	
8:45-9:00	Welcome/Logistics	**James Lawton**, Air Force Office of Scientific Research
9:00-9:40	A Neural Information Field Approach to Computational Cognition	**Chris Eliasmith,** University of Waterloo and University College London
9:40-10:20	Circuit Models for Robust, Adaptive Neural Control	**Roger Mailler,** University of Tulsa
10:20-10:40	**BREAK**	
10:40-11:20	Negotiating Mission Plans under Risk Bounds	**Sylvie Thiebaux,** National ICT Atralia Limited
11:20-12:00	Dynamic Generalizations of Systems Factorial Technology	**Joseph Houpt,** Wright State University
12:00-1:20	**LUNCH**	
1:20-2:00	Computational Modeling of the Time Course of Visual Decision Processes	**Robert Nosofsky,** Indiana University
2:00-2:40	The Constructive Role Of Decisions: Implications From A Quantum Approach	**Emmanuel Pothos,** City University (London)
2:40-3:00	**BREAK**	
3:00-3:40	Great Computational Intelligence in the Formal Sciences...	**Selmer Bringsjord,** Rensselaer Polytechnic Institute
3:40-4:20	Applications of Quantum Probability Theory to Strategic Decision Making	**Jerome Busemeyer,** Indiana University
4:20-5:00	Automated Exploration of Machine Learning Model Failure States	**Misty Blowers,** AFRL/RI
5:00	**ADJOURN FOR THE DAY**	

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AGENDA Day 3 – Wednesday, November 18, 2014

Time	Title of Project	Speaker
8:00-8:45	Registration	
8:45-9:00	Welcome/Logistics	**James Lawton**, Air Force Office of Scientific Research
9:00-9:40	Parametric Assumptions and Model Falsifiability	**Matthew Jones,** University of Colorado
9:40-10:20	Mathematics of Observer Fields for Decision Making	**Louis Narens,** University of California Irvine
10:20-10:40	**BREAK**	
10:40-11:20	Computational Modeling of Sequential Skill Learning	**Todd Maddox,** University of Texas At Austin
11:20-12:00	Making and Keeping Informed Commitments in Human-Machine Systems	**Edmund Durfee,** University of Michigan
12:00-1:20	**LUNCH**	
1:20-2:00	Interactive Task Learning	**John Laird,** University of Michigan
2:00-2:40	Understanding How to Build Long-Lived Learning Collaborators	**Kenneth Forbus,** Northwestern University
2:40-3:00	**BREAK**	
3:00-3:40	Understanding Cognitive Decision Making via Nearest Neighbor Algorithms	**Daniel Lee**, University of Pennsylvania
3:40-4:20	Cognitive Maximum Margin Correcl	**Andres Rodriguez,** AFRL/RY
4:20-5:00	TBD	
5:00	**ADJOURN FOR THE DAY**	

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AGENDA Day 4 – Thursday, November 19, 2014

Time	Title of Project	Speaker
8:00-8:45	Registration	
8:45-9:00	Welcome/Logistics	**James Lawton**, Air Force Office of Scientific Research
9:00-9:40	Principles of Robust Learning Derived from the Structure and Function of the Cor	**Armen Stepanyants**, Northeastern University
9:40-10:20	A Proposal to Perform New Theoretical and Experimental Research...	**James Townsend**, Indiana University
10:20-10:40	**BREAK**	
10:40-11:20	Neurons Are Poised Near the Edge of Chaos	**Leon Chua,** University of California
11:20-12:00	Engineering Emergence in Large-Scale Simulations 150092	**Simon Miles**, King's College London
12:00-1:20	**LUNCH**	
1:20-2:00	ARCHER - Adaptive and Robust Cueing for Human Enabled Reconnaissance	**Luca Bertuccelli,** United Technologies Research Center
2:00-2:40	Trust and Trustworthiness in Human-Robot Interaction	**Alan Wagner,** Georgia Tech Applied Research Corporation
2:40-3:00	**BREAK**	
3:00-3:40	Workload-Adaptive Human Interface to Aid Robust Decision Making.	**Michael Miller,** AFIT/ENV
3:40-4:20	Dynamic, Multi-Agent Physical Search Problems with Probabilistic Knowledge	**Jeffery Hudack,** AFRL/RI
4:20-5:00	Non-Contact Cardiovascular Sensing and Assessment	**Justin Estepp,** AFRL/RH
5:00	**ADJOURN FOR THE DAY**	

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AGENDA Day 5 – Friday, November 20, 2014

Time	Title of Project	Speaker
8:00-8:45	Registration	
8:45-9:00	Welcome/Logistics	**James Lawton**, Air Force Office of Scientific Research
9:00-9:40	Perception and Action Interfaces in the Symbiosis of Humans and Multi-Agent Syst	**Panagiotis Artemiadis**, Arizona State University
9:40-10:20	Robust Adaptive Autonomy in Contested Environments	**Girish Chowdhary,** Oklahoma State University
10:20-10:40	**BREAK**	
10:40-11:20	Inductive Inference by Humans and Machines	**Thomas Griffiths,** University of California
11:20-12:00	Robust Coordination of Autonomous Systems	**Brian Williams,** Massachusetts Institute of Technology
12:00-1:20	**LUNCH**	
1:20-2:00	Embodied Interactions in Human-Machine Decision Making	**Juan Wachs,** Purdue University
2:00-2:40	A Machine Learning Framework of Categorization	**Jun Zhang,** University of Michigan
2:40-3:00	**BREAK**	
3:00-3:40	Meta-Optimization	**Toby Walsh**, National ICT Atralia Limited
3:40-4:20		
4:20-5:00		
5:00	**MEETING ADJOURNED**	