

2020 Cognitive & Computational Neuroscience Program Review

Dr. Hal S. Greenwald | October 23, 2020 | Virtual

Time	Topic	Speaker
8:30	Zoom Login	
8:45	Opening remarks	Dr. Hal Greenwald, AFOSR
9:00	Remarks	Col Michelle Ewy, Deputy Director, AFOSR
9:15	Visually-guided Primate Predation: A Computational Neuroethology of Visual Search and Targeting in a Complex, Natural Environment	Dr. Alex Huk, University of Texas, Austin
9:45	Minimal Models of Sensory Perception	Dr. Sarah Marzen, Claremont McKenna College
10:15	Innate Memory - the Plasticity of Instinct	Dr. Tomas Ryan, Trinity College Dublin
10:30	BREAK	
10:45	A White Matter Cable Theoretic Model of EEG Biorhythms	Dr. Pamela Douglas, University of Central Florida
11:15	Spatiotemporal Neurodynamics	Dr. Chrystopher Nehaniv, University of Hertfordshire
11:45	Probing Plasticity of Color Perception with the Oz Vision Platform	Dr. Ren Ng, UC Berkeley
12:00	The Neural Architecture of Reinforcement Learning in Partially Observable Environments	Dr. Sam Gershman, Harvard University
12:15	Lunch /Breakout Sessions	
13:30	Remarks	Col Jason Mello, Chief, AFOSR Science & Engineering Division
13:45	Statistical Assumptions in Brain-Computer Interfaces	Mr. Justin Estepp, AFRL 711 th HPW
14:15	Cognitive Maps in Rats, Robots & Men: A Brain Inspired, Neuroevolutionary Approach	Dr. Jeff Krichmar, UC Irvine
14:45	Biological Algorithms for Learning in the Mammalian Brain	Dr. Alison Barth, Carnegie Mellon University
15:00	BREAK	
15:30	Computing in Holographic Representation	Dr. Bruno Olshausen, UC Berkeley
16:00	(YIP) Neural Computations and Information flow Underlying Uncertainty Evaluation	Dr. Megan Peters, UC Riverside/UC Irvine
16:15	Discussion/Q&A	
1700	REVIEW ADJOURNED	