

Cognitive Computing 2007

May 2-3, 2007

The Auditorium of the Berkeley Art Museum

University of California, Berkeley

CITRIS and NERSC Sponsored Research

Agenda: Cognitive Computing 2007

Wednesday, May 2, 2007 Cognitive Computing

8.15	8:50	Registration and Continental Breakfast
8:50	9:00	Gary Baldwin , CITRIS Executive Director, <i>Welcome</i>
9:00	9:30	Horst Simon , NERSC Director and Associate Laboratory Director (ALD) for Computing Sciences: <i>Opening Remarks and Activities within NERSC</i>
9:30	9:35	Masoud Nikravesh , UC Berkeley, <i>Cognitive Computing Chair</i>
9:35	9:40	Mona Y. Lee , UC Discovery Grant, <i>Industry-University Cooperative Research Program (IUCRP)</i>
9.45	10.45	Dharmendra S. Modha , IBM Almadan Research Center: <i>Towards Engineering the Mind by Reverse Engineering the Brain</i>
10.45	11:00	Conversation with Refreshments
11:00	12:00	Ed Callaway , Salk Institute: <i>Towards an Understanding of Cortical Function: Problems and Solutions</i>
12:00	1:30	Lunch
1:30	2:30	Michael Arbib , USC: <i>From Cognitive Neuroscience to Computing Architectures</i>
2:30	3:30	SPECIAL LECTURE: Nobelist Donald Glaser , UC Berkeley: <i>The Brain might Optimize Visual Acuity using Cortical Noise via Stochastic Resonance/Sampling</i>
3:30	4:00	Conversation with Refreshments
4:00	5:00	Almut Schüz , Max-Planck-Institute for Biological Cybernetics: <i>Bridging the Gap between Cortical Structure and Cortical Function</i>
5:00	6:00	James Anderson , Brown University: <i>The Ersatz Brain Project</i>
6:00	7:30	Reception

Thursday, May 3, 2007 Cognitive Computing

8.15 -	9:00	Continental Breakfast
9:00	9:30	Shankar Sastry , CITRIS Director: <i>Opening Remarks and Activities within CITRIS</i>
9.30	10.30	Robert Hecht-Nielsen , UC San Diego: <i>Understanding Speech</i>
10.30	11.00	Conversation with Refreshments
11.00	12.00	Edgar Koerner , President, Honda Research Institute Europe GmbH: <i>Intelligence for the Humanoid Robot ASIMO: A Synthetic Approach to Understanding Principles of Processing in the Brain</i>
12:00	1:30	Lunch
1:30	2:30	Brian A. Wandell , Stanford: <i>The Human Visual Pathways: Maps, Plasticity, and Reading</i>
2:30	3:30	Roger Shepard , Professor Emeritus, Stanford: <i>Principles of Cognition as Adaptations to the World</i>
3:30	3:45	Conversation with Refreshments
3:45	6:00	Panel: VC's, Entrepreneurs, and Innovators: <i>The Future of Cognitive Computing</i> Moderator: Jerome Swartz , The Swartz Foundation for Computational Neuroscience Tony Bell Redwood Center for Theoretical Neuroscience, UC Berkeley Jose M. Carmena , EECS and Cognitive Sciences, UC Berkeley Dileep George , Numenta Steve Jurvetson , Managing Director of Draper Fisher Jurvetson Paul Rhodes , Stanford & Evolved Machines, Inc. Lloyd Watts , Audience, Inc.
6.00 -	6.15	<i>Closing Remarks</i>

