## Workshop Schedule Saturday, April 20, 2002

8:00	Registration & Continental Breakfast	
8:45	Introductory Remarks	Vasilis Z. Marmarelis University of Southern California
9:00	Signal Processing by the Gerbil Cochlea: What We Can See in Wiener Kernels	Edwin R. Lewis University of California, Berkeley
9:20	Searching for Connections in a Mammalian Sensory Pathway by Nonlinear Analysis of Spike Trains	Andrew S. French Dalhousie University, Halifax
9:40	Pharmacodynamic Analysis of Erythropoietin	Peter Veng-Pedersen University of Iowa
10:00	Break	
10:15	Separation of Spiky Transient Activity in EEG/MEG Data Using Multiresolution and Morphological Analysis	Robert J. Sclabassi University of Pittsburgh
10:35	Population Coding in Hippocampal Neurons: The Necessity of Transfer Functions for Correct Short-Term Memory Performance	Robert E. Hampson Wake Forest University
10:55	Parametric and Nonparametric Models of Presynaptic Nonlinearities of Hippocampal Pyramidal Neurons	Theodore W. Berger University of Southern California
11:15	Break	
11:30	Detection and Control of Epileptic Seizures Using Artificial Neural Networks	Berj L. Bardakjian University of Toronto
11:50	Localizing Brain Activity in Space and Time: Combining VEP and fMRI	Stanley A. Klein University of California, Berkeley
12:10	A Bayesian Framework for Sensory Adaptation	Norberto M. Grzywacz University of Southern California
12:30	Lunch	
2:30	Independent or Correlated Convergent Presynaptic Trains Embody Poisson or Cluster Point Processes	Jose P. Segundo University of California, Los Angeles
2:50	Nonlinear Modeling and Identification of Reflex Contributions to Joint Stiffness	Robert E. Kearney  McGill University
3:10	Separable Least Squares: A New Approach to the Identification of Nonlinear Block Structured Models	David T. Westwick University of Calgary
3:30	Break	
3:45	Synthesizing Response Sequences from the Kernel Series of Multi-Input Systems	Erich E. Sutter Smith-Kettlewell Eye Research Institute
4:05	Applications of Parallel-Cascade System Identification	Edward D. Lipson Syracuse University
4:25	Multi-Variate Nonlinear Dynamic Modeling of Closed-Loop Physiological Systems	Vasilis Z. Marmarelis University of Southern California
4:45	Discussion	
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6:00

Reception