Poster Session I

Poster Number	Submission Number	Title
1	157	Spike-Timing Dependent Plasticity Facilitates Excitatory/Inhibitory Dysbalances in Early Phases of Tinnitus Manifestation
2	110	Information theoretic and machine learning approaches to quantify non-linear visual feature interaction underlying visual object recognition
3	51	Model of a Sparse Encoding Neuron
4	55	Modeling Cuttlefish Behavioural Chromatophore Response
5	119	Temperature-fastened Sodium inactivation accounts for energy efficient cortical action potentials in mammalian brains
6	120	Properties of cortical axons for energy efficient cortical action potentials
7	94	Statistics of natural scene structures and scene categorization
8	173	Statistics of eye movements in scene categorization and scene memorization
9	96	A visual code book--structured probability distributions in natural scenes
10	77	Features of chaotic activity in a balanced network of Type II neuronal oscillators
11	140	Synaptic activations of neuronal populations in the thalamocortical loop from LFP using kCSD and ICA
12	199	Spike threshold dynamics reshape the phase response curve and increase the degree of synchronization among neurons coupled by excitatory synapses
13	141	A high-level, simulator independent, Python library for simulating small networks of multicompartmental neurons
14	205	Signal analysis of whole-body shortening behavior in Hirudo verbana
15	184	Haloperidol effects on striatal dopamine and DOPAC levels and subcellular distribution
16	97	General anaesthetics induce tonic inhibition and modulate the gain of neural populations : a modeling study
17	117	Optimal Information Encoding for Multiple, Simultaneously Presented Stimuli
18	106	Action Recognition Using Natural Action Structures
19	213	Variability of inter-syllable gaps challenges the branched-chain model of sequence production in Bengalese finches.
20	233	Tracking sub-syllabic features in zebra finch song during development
21	178	A talkative Potts attractor neural network welcomes BLISS words
22	131	Brain ventricle volume correlates with effortful control in healthy young males
23	208	A new algorithm for the resting-state fMRI data sets
24	210	Dynamic Bayesian network modeling for intervention mechanism
25	215	Coherent spontaneous resting EEG of frontal regions in human brain
26	217	Maximum spanning tree of whole-brain network layout
27	186	Optical imaging of motor cortical activation using functional near-infrared spectroscopy
28	195	Derivation of the evolution of empathic other-regarding social emotions as compared to non-social self-regarding emotions
29	69	Computational Modeling of Light Activated Ion Channels
30	91	Genesis of interictal spikes in the CA1: A computational investigation
31	232	Computational Modeling of Light Activated Ion Channels
32	93	STDP induced synchrony in inhibitory neural networks: Theory and Experiments
33	33	Charge balanced control of seizure like activity in a two dimensional cortical model
34	161	Critical slowing in a Hodgkin-Huxley neuron near spiking threshold

35	100	Fractal-based linear model of resting state hemodynamic response in fMRI
36	204	NeRvolver: A computational intelligence-based system for automated construction, tuning, and analysis of neuronal models
37	206	Analyzing conductance correlations involved in recovery of bursting after neuromodulator deprivation in lobster stomatogastric neuron models
38	61	Modeling Na+- and Ca2+-dependent mechanisms of rhythmic bursting in excitatory neural networks
39	72	Analysis of excitatory and inhibitory interactions at high temporal resolution in core circuits of the respiratory CPG
40	159	A model for simulating Local Field Potential in the thalamus of Essential Tremor patient during deep brain stimulation.
41	177	Using model databases to determine dendritic distributions of Ih channels in oriens-lacunosum/moleculare hippocampal interneurons
42	39	A declarative model specification system allowing NeuroML to be extended with user-defined component types
43	76	Motif statistics and spike correlations in neuronal networks
44	172	Speed and Accuracy in Decision Making: Input correlations and performance
45	228	A simple mechanism for higher order correlations in integrate and fire neurons
46	122	Dendrites equip neurons with a range of resonant frequencies
47	171	Modeling the effects of molecular crowding on cerebellar long term depression
48	57	A neuromechanical computational model of spinal control of locomotion
49	59	Modeling [Ca2+]o- and [K+]o-dependent oscillations in spinal Hb9 interneurons
50	38	Modeling Dose-dependent Temperature Responses to Methamphetamine
51	150	A closed model for the respiratory system in mammals
52	160	Can a central pattern generator produce multiple motor patterns? Modeling scratch rhythms in turtle
53	30	Synchronizing and desynchronizing effects of nonlinear delayed feedback deep brain stimulation in Parkinson's disease
54	151	Mechanisms of pathological synchrony in Parkinson's disease induced by changes in synaptic and cellular properties due to dopamine
55	130	Biologically realistic excitatory and inhibitory cell properties emerge from a sparse coding network
56	31	Role of morphological changes in newly born granule cells of hippocampus after status epilepticus induced by pilocarpine in hyperexcitability
57	127	Automated model optimization to study spike shape modulation in Layer 2/3 cortical pyramidal neurons
58	155	The role of electrical coupling in the decision to initiate swimming in young frog tadpoles
59	145	A model for dynamical switching in tristable perception for visual plaids
60	146	Divisive feedback can underlie phasic firing but is precise coincidence detection adequately robust?
61	153	Local field potentials in the auditory brain stem described by idealized biophysically-based models of the medial superior olive
62	16	Specifying production times in the ACT-R cognitive modeling system using evoked response potential latency
63	8	Sunk costs account for rats' decisions on an intertemporal foraging task