

WINTER CONFERENCE ON COMPUTATIONAL ASPECTS OF NEURAL ENGINEERING
December 20 – 21, 2012

INDIAN INSTITUTE OF SCIENCE
BANGALORE

December 20, 2012
Thursday

Venue: Lecture Hall – I, Department of Mathematics, IISc, Bangalore

08:30 AM	<i>Registration</i>	
09: 00AM – 09:15 AM	Inauguration	
09:15 AM – 10:00 AM	John Donoghue	Neurorestoration: the potential for brain computer interfaces
10:00 AM – 10:30 AM	Aditya Murthy	Control of sequential movements: insights from the oculomotor system
10:30 AM – 11:00 AM	Coffee / Tea Break	
11:00 AM – 11:30 AM	Jeffrey Ojemann	What can we learn from clinical brain recordings?
11:30 AM – 12 Noon	Rajesh Rao	Probabilistic Co - Adaptive Brain - Computer Interfacing
12 Noon – 12:30 PM	S. P. Arun	If we can make computers play chess, why can't we make them see?
12:30 PM – 02:00 PM	Lunch	
02:00 PM – 02:30PM	Srinivasa Chakravarthy	Modeling Basal Ganglia for understanding Parkinsonian Reaching Movements

02:30 PM – 03:00 PM	Peter Brunner	ECoG - Based Neuroscience and Neuroengineering
03:00 PM – 03:30 PM	Supratim Ray	Attention and Gamma rhythm
03:30 PM – 04: 00 PM	Coffee/Tea Break	
04:00 PM – 04:30 PM	Rishikesh Narayanan	Functional maps within a single neuron
04:30PM – 05:00 PM	Wilson Truccolo	Multiscale neural dynamics in human focal seizures

December 21, 2012
Friday

Venue: Lecture Hall – I, Department of Mathematics, IISc, Bangalore

09:30 AM -- 10:00 AM	Nitish Thakor	Building Brain Machine Interface – Decoding Brain Activity from Neuron to Brain
10:00AM – 10:30 AM	Neeraj Jain	Long - term recordings from chronically implanted microwire electrodes in the premotor cortex
10:30 AM – 11:00AM	Coffee / Tea Break	
11:00 AM – 11:30AM	Upinder Bhalla	Watching how the brain tells time
11:30AM – 12 Noon	Jeremiah Wander	Neural correlates of learning in electrocorticographic brain - computer interfaces
12 Noon	Lunch	