

# 2009 Program Schedule

Notes: Presentation materials can generally be found on pages linked from [the main wiki presentations page](#) or from more specific links below.

August		7:30 pm - 8:30 pm	8:30 pm - 9:00 pm
Saturday 15		Reception	Partha Mitra: Introduction (materials)

## Week I

August	9:30 am - 10:45 am	11:00 am - 12:00 pm	12:30 pm - 1:30 pm	2:00 pm - 3:00 pm	3:15 pm - 4:15 pm	7:30 pm - 9:30 pm
Sunday 16	John Rolston David Kleinfeld: Linear Algebra (materials)	John Rolston David Kleinfeld: Sinusoids, Ordinary Differential Equations (materials)	Lunch Talks (Signup sheet) Meigs Room	Satish Iyengar: Probability Theory (materials)	Satish Iyengar: Probability Theory (materials)	John Rolston Satish Iyengar: Math/Stat Tutorials (materials)
Monday 17	Satish Iyengar: Exploratory Data Analysis, Estimation (materials)	Satish Iyengar: Inference Test Statistics (materials)	Lunch Talks (Signup sheet) Meigs Room	Satish Iyengar: Linear Models (materials)	Satish Iyengar John Rolston: MATLAB Tutorial (materials)	Hemant Bokil John Rolston: Harvey Karten lecture. Lab: Chronux Intro (materials)
Tuesday 18	Hemant Bokil Uri Eden: Nonparametric function estimation and regression (materials)	Hemant Bokil Uri Eden: Lab Splines Locfit (materials)	Lunch Talks (Signup sheet) Meigs Room	David Kleinfeld: Signal Processing Basics (materials)	Bijan Pesaran: Stochastic Process Theory and Spectral Estimation (continuous processes) (materials)	Bijan Pesaran Hemant Bokil David Kleinfeld: Lab: Signal Processing, Spectra, Coherence Lab (materials)
Wednesday 19	David Kleinfeld: Signal Processing Applications (materials)	Hemant Bokil: Spectrogram/ Coherogram Statistics, Permutations, Jackknife (materials)	Lunch Talks (Signup sheet) Meigs Room	Uri Eden Sridevi Sarma: Point Process Theory (materials)	Uri Eden Sridevi Sarma: Point Process Models (materials)	Uri Eden Sridevi Sarma: Point Process Lab (GLM) (materials)
Thursday 20	Bijan Pesaran: Point Process Spectral Methods (materials)	Bijan Pesaran: Point Process Spectral Lab (materials)	Lunch Talks (Signup sheet) Meigs Room	Bijan Pesaran: Multivariate time series, SVD Denoising (materials)	Bijan Pesaran David Kleinfeld: Application: EEG, Optical Imaging (materials)	David Kleinfeld Andrew Sornborger Bijan Pesaran: Lab: Optical Imaging (materials)
Friday 21	Jason Bohland: fMRI Data Analysis (materials)	Matti Hamalainen: EEG/MEG Source Localization Methods (materials)	Lunch Talks (Signup sheet) Meigs Room	Ilan Golani: Behavioral data analysis : Ethological (materials)	Ilan Golani TBD: Behavioral data analysis : Expt Psych (materials)	Bijan Pesaran Hemant Bokil Jason Bohland: fMRI, EEG and MEG Data Analysis Lab (materials)
Saturday 22	Dan Hill: Spike Sorting Tutorial (materials)		Andrew Sornborger: Lunch: Introduction to the Data Analysis Challenge (materials)	Dan Hill: Data analysis challenge (materials)	Dan Hill: Data analysis challenge (materials)	Free

## Week II

August	9:30 am - 10:45 am	11:00 am - 12:00 pm	12:30 pm - 1:30 pm	2:00 pm - 3:00 pm	3:15 pm - 4:15 pm	7:30 pm - 9:30 pm
<b>Monday 24</b>	Helen Barbas TBA: <i>Connectivity architecture overview</i> (materials)	Amy Bernard TBA: <i>Lab: Mouse brain gene expression atlas</i> (materials)	Lunch Talks (Signup sheet) Meigs Room	David Van Essen: <i>Primate Atlases. Cortical flatmaps</i> (materials)	David Van Essen Jason Bohland: <i>Lab</i> (Caret, Freesurfer) (materials)	<i>Data challenge</i>
<b>Tuesday 25</b>	Peter Andrews: <i>Lab: RDBMs, MySQL, MATLAB</i> (materials)	Jason Bohland Peter Andrews: <i>Web Programming Basics Lab</i> (materials)	Lunch Talks (Signup sheet) Meigs Room	Mikhail Belkin: <i>Machine Learning SVMs, CART, Boosting</i> (materials)	Mikhail Belkin: <i>Manifolds Spectral Methods</i> (materials)	<i>Data challenge</i>
<b>Wednesday 26</b>	Jonathan Victor: <i>Information Theory Lecture/Lab</i> (materials)	Nicholas Schiff: <i>Biomedical Applications of Signal Processing</i> (materials)	Lunch Talks (Signup sheet) Meigs Room	<i>Data challenge</i>	<i>Data challenge</i>	<i>Data challenge</i>
<b>Thursday 27</b>	Ross Whitaker: <i>Image processing 1</i> (materials)	<i>Neuroanatomy workshops</i> (materials) Ross Whitaker (11:00-11:30) Haibin Wang (11:30-12:00) David Kleinfeld (12:00-12:30)	Lunch Talks (Signup sheet) Meigs Room	<i>Neuroanatomy workshops</i> (materials) Srini Turaga (2:00-2:30) Mitya Chklovskii (2:30-3:00)	<i>Neuroanatomy workshops</i> (materials) Basilis Zikopoulos (3:15-3:45) Shawn Mikula (3:45-4:15)	<i>Course Banquet</i>
<b>Friday 28</b>	<i>Data challenge</i>	<i>Data challenge</i>	Lunch Talks (Signup sheet) Meigs Room	<i>Data challenge</i>	<i>Data challenge</i>	<i>Data challenge</i>
<b>Saturday 29</b>	<i>Data challenge</i>		Lunch Talks (Signup sheet) Meigs Room	<i>Challenge Presentations</i>		<i>Free</i>