



# Workshop on Perception: Neurons and Models

**May 5, 2016 (Thursday)**  
**ECE Golden Jubilee Hall**  
**IISc Campus**

Our brain enables us to perceive and make sense of the complex and ever-changing world around us. What neural processes and computations underlie this remarkable ability? The speakers will seek to address this question from experimental and computational perspectives.

## PROGRAMME

*Session Chair:* Prof. Aditya Murthy (CNS, IISc)

09:00 - 09:40 - **Dr. Shihab Shamma** (University of Maryland)  
*Cognitive control of auditory perception*

09:40 - 10:20 - **Dr. Patrick Kanold** (University of Maryland)  
*Wiring and plasticity of the developing auditory cortex*

10:20 - 11:00 - **Dr. Maneesh Sahani** (University College London)  
*Perceiving is believing: Bayesian inference in unexpected places*

11:00 - 11:20 - Coffee break

*Session Chair:* Prof. Chandra Sekhar Seelamanthula (EE, IISc)

11:20 - 12:00 - **Dr. T V Sreenivas** (ECE, IISc)  
*Time-varying signal perception and pitch/timbre interaction*

12:00 - 12:40 - **Dr. Sriram Ganapathy** (EE, IISc)  
*Deep learning for speech processing*

12:45 - 01:15 - Discussion (Moderated by Dr. Sridharan Devarajan)

*Register at:*  
<http://goo.gl/forms/IZzNRUdYfj>  
Deadline: April 30, 2016

*Organized by:*  
Indian Institute of Science, Bangalore  
Pratiksha Trust, Bangalore