

Dr. Christopher Rozell

Laboratory for Neuroengineering
School of Electrical and Computer
Engineering
Georgia Institute of Technology



I am currently an Assistant Professor in the School of Electrical and Computer Engineering at the Georgia Institute of Technology. I received the Ph.D. and M.S. in Electrical and Computer Engineering from Rice University in 2007 and 2002. Previously, I attended the University of Michigan where I earned the B.S.E. in Computer Engineering and the B.F.A in Performing Arts Technology (Music Technology). I have previously conducted research at MIT Lincoln Laboratory and as a postdoctoral scholar in the Redwood Center for Theoretical Neuroscience at the University of California, Berkeley. At Georgia Tech I am a member of the Laboratory for Neuroengineering and affiliated with the Center for Signal and Image Processing.

My research interests are interdisciplinary, primarily focusing on the intersection of signal processing and computational neuroscience. I believe that understanding biological sensory systems can direct us to new approaches in signal and image processing. On the flip side, innovative data analysis techniques from statistical signal processing and information theory are needed to help understand complex sensory systems. The results of my research are directed at many application areas, including sparse approximation, dynamical systems, information processing in wireless sensor and actuator networks, experimental and theoretical neuroscience, and nanosensor devices.

4PM, WEDNESDAY, OCTOBER 19, 2011

Carlson Auditorium, Center for Imaging Science (Bldg. 76)