Engineering Neuroscience & Health

Department of Biomedical Engineering Division of Biokinesiology and Physical Therapy

ENH SEMINAR SERIES

Presents:

Dr. Terence D. Sanger

University of Southern California

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Monday

August 31, 2009

4:00 p.m.

Refreshments will be served 3—4 pm

"Controlling Noise"

Terence D. Sanger, MD PhD
Department of Biomedical Engineering
University of Southern California

Variability is a ubiquitous feature of human motor control, and engineers often spend much time proposing interesting ways that the brain can reduce noise or ameliorate its effects. But in some cases, variability may not be noise at all, and instead it may be a helpful contributor to information processing and learning. I will show some of the properties gained by noisy image coding, a learning algorithm that depends on noise, and a stochastic control algorithm that achieves flexible control in the presence of noise.

Locations:
Seminar is simultaneously presented

UPC: HNB 100 – LIVE

Hedco Neurosciences Building

UPC Campus Map/Directions:
http://www.usc.edu/about/visit/upc/

HSC: CHP 147— Video Conference

Center for the Health Professional

HSC Campus Map/Directions:
http://www.usc.edu/about/visit/hsc/

Organized by Professor Francisco Valero-Cuevas http://bme.usc.edu/valero/

Web Cast

http://capture.usc.edu/college/Catalog/?cid=af180d48-ceff-42b9-a35c-eb199daed320

Information about all seminars can be found at
http://www-clmc.usc.edu/~heiko/ENH/schedule09_10.html