

Daniel M. Drucker, Ph.D.

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EDUCATION

University of Pennsylvania

Ph.D. 2009, Psychology (cognitive neuroscience)

Advisor Geoffrey K. Aguirre, M.D., Ph.D.

Thesis *Neural Object Representation Spaces and their Metric Properties*

I showed a new method of computationally modeling and analyzing functional neuroimaging data using multidimensional scaling-like methods, allowing researchers for the first time to detect certain very small scale properties of neural populations using non-invasive techniques such as fMRI and EEG.

Rutgers University

B.A. 2003, Psychology/cognitive science

PUBLICATIONS

Drucker DM, Kerr WT, Aguirre GK. 2009. *Distinguishing conjoint and independent neural tuning for stimulus features with fMRI adaptation*. J Neurophysiology.

Drucker DM, Aguirre GK. 2009. *Different spatial scales of shape similarity representation in lateral and ventral LOC*. Cerebral Cortex.

Kerr WT, Drucker DM, Aguirre GK. In Prep. *Conjoint and independent neural tuning for texture features*.

Yee E, Drucker DM, Thompson-Schill SL. In Press. *fMRI-Adaptation Evidence of Overlapping Neural Representations for Objects Related in Function or Manipulation*. NeuroImage.

SELECTED PRESENTATIONS

Drucker DM, Aguirre GK. 2008, 2009. *Integral versus separable perceptual dimensional pairs are reflected in conjoint versus independent neural populations*. Presented at the 38th annual meeting of the Society for Neuroscience and at the 9th annual meeting of the Vision Sciences Society.

Drucker DM, Aguirre GK. 2008. *Different spatial scales of object similarity representation in ventral and lateral LOC*. Presented at the 8th annual meeting of the Vision Sciences Society.

Aguirre GK, Drucker DM. 2007. *Focal and distributed representation of two-dimensional object form*. Presented at the 37th annual meeting of the Society for Neuroscience.

PROFESSIONAL EXPERIENCE

AT&T Easylink, Edison, NJ (2001-2002)

Lead of Network Operations Center

Developed tools and procedures to monitor financial message traffic between Fortune 50 trading partners. Supported Unix systems providing financial messaging services to 100,000+ customers. Mentored other employees; coordinated delegation of programming, documentation, and administration tasks. Created clear documentation for tasks and systems that had previously been passed on informally.

TransactPlus (JP Morgan spinoff), Whippany, NJ (2001, folded)

Systems Administrator

Supported financial message queuing software in a high availability environment. Developed tools, procedures, and workflows for support personnel.

Bristol-Myers Squibb, Hopewell, NJ (1999-2000)

Senior Analyst

Support for 100s of business-critical servers and the world-wide corporate network. Mentoring and workflow development for 1st-tier support.