

# Biomedical Engineering

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## Thomas V. Papathomas

Address: 152 Frelinghuysen Road  
Piscataway, NJ 08854

Room: A127

Phone: 732-445-6533

Email: [papathom@rci.rutgers.edu](mailto:papathom@rci.rutgers.edu)

My laboratory investigates vision and the brain. Studies mainly involve psychophysical experiments with human observers. Current projects include the role of cognitive mechanisms in the recovery of three-dimensional shape from monocular or binocular 2-D retinal projections, the study of excitatory and inhibitory neural influences on mechanisms of motion perception, auditory/visual interactions, and the development of biologically relevant computational models of human brain function.



### Recent Papers:

1. Hong, J, Papathomas TV. 撇nfluences of attention on auditory aftereffects following purely visual adaptation,?Spatial Vision, 19(6), 567-580, 2006.
2. Sohn W, Chong SC, Papathomas TV, Vidnyanszky Z. 孳ross-feature spread of global attentional modulation in human area MT+? Neuroreport, 16, 1389-1393, 2005.
3. Melcher D, Papathomas TV, Vidnyanszky Z. 捏mplicit attentional selection of bound visual features,?Neuron, 46, 723-729, 2005, featured on National Public Radio 搆orning Edition? June 4, 2005.

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