

# JOSIAH MANSON

## CONTACT

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## RESEARCH INTERESTS

Computer graphics, surface reconstruction, mesh deformation, and surface representation.

## EDUCATION

- Pursuing Ph.D. in Computer Science at Texas A&M.
- B.S. Computer Science and Math, Summa Cum Laude, Texas A&M 2008.

## AWARDS

- NSF Graduate Research Fellowship.
- Association of Former Students Fellowship.
- Second place in Industrial Affiliates Program poster competition, Spring 2009.

## UNDERGRADUATE RESEARCH PROGRAMS

- Texas A&M, Computer Science, Summer 2007.
- University of Minnesota, Supercomputer Institute, Summer 2006.

## PUBLICATIONS

1. Manson J.; Petrova G.; Schaefer S. "Streaming Surface Reconstruction Using Wavelets." *Computer Graphics Forum* (2008), 27(5), 1411-1420.
2. Martinez, V.; Manson, J.; Zoran, M. "Effects of Nerve Injury and Segmental Regeneration on the Cellular Correlates of Neural Morphallaxis." *Journal of Experimental Zoology* (2008), 310(6), 520-533.
3. Lai, R.; Manson, J.; Bormans, A.; Draheim, R.; Nguyen, N.; Manson, M. "Cooperative signaling among bacterial chemoreceptors." *Biochemistry* (2005), 44(43), 14298-14307.
4. Adams, R.; Captain, B.; Fu, W.; Hall, M.; Manson, J.; Smith, M.; Webster, C. "Bimetallic Cluster Complexes: The Synthesis, Structures, and Bonding of Ruthenium Carbonyl Cluster Complexes Containing Palladium and Platinum with the Bulky Tri-tert-butyl-phosphine Ligand." *Journal of the American Chemical Society* (2004), 126(16), 5253-5267.
5. Adams, R.; Miao, S.; Smith, M.; Farach, H.; Webster, C.; Manson, J.; Hall, M. "Nickel-Manganese Sulfido Carbonyl Cluster Complexes. Synthesis, Structure, and Properties of the Unusual Paramagnetic Complexes  $Cp_2Ni_2Mn(CO)_3(m_3-E)_2$ , E = S, Se." *Inorganic Chemistry* (2004), 43(8), 2515-2525.

## PRESENTATIONS

- SGP, July 2008, Surface Reconstruction Using Wavelets.
- TexGraph, May 2008, Surface Reconstruction Using Wavelets.