

# Samuel A. Hurley

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## Education

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2004-2008                      **University of Wisconsin – Madison**                      B.S., Physics

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- GPA: 3.5

2008-Present                      **University of Wisconsin – Madison**                      Ph.D., Medical Physics

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- Ph.D. Advisor: Prof. Andrew Alexander
- Image science track    GPA: 3.6

## Experience

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May 2008-Present                      **Research Assistant**                      Waisman Lab for Brain Imaging

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- Project Advisors: Andrew Alexander, Aaron Field, Alexey Samsonov
- Developing small animal imaging sequences and protocols for brain and optic nerve
- Developing and validating quantitative DTI, T1, and magnetization transfer imaging
- Imaging animal models of multiple sclerosis

May 2007-2008                      **Undergraduate Lab Assistant**                      Applied Neuro MRI Lab

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- Contact: Prof. Beth Meyerand
- Work with various functional MRI software packages (SPM, AFNI)
- Software development to integrate fMRI data into real-time neurosurgery guidance
- Pulse sequence development, Varian 4.7T small animal MRI

2004-2008                      IT Desktop Support

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- University of Wisconsin – Department of Rural Sociology
- Contact: Peter Nepokroeff (nepokroe@wisc.edu)

## Conference Proceedings

Lopas LA, Moirano JM, Kurpad KN, **Hurley SA**, Converse AK, Design, Construction, and Testing of RF Coil and Animal Body Holder for Simultaneous PET/MRI Imaging of Rat Brain. (Traditional Poster) BrainPET (2009)

**Hurley SA**, Samsonov AA, Accurate and Efficient Mapping of Flip Angle and T1 using Simultaneous Actual Flip Angle - Variable Flip Angle Imaging. (E-Poster, Abstract #4480) Proc. Intl. Soc. Mag. Reson. Med. 17 (2009)

## Associations

- International Society of Magnetic Resonance in Medicine (ISMRM) – Student Member
- Kappa Eta Kappa – Professional Electrical Engineering Fraternity
- Society of Physics Students – UW Chapter Vice President (2008-2009)