

Charles Scott
Master of Science in Electrical Engineering Candidate
Center for Automation Technologies and Systems (CATS)
Rensselaer Polytechnic Institute

Research Description:

Research involves designing and building an optical telescope that utilizes adaptive optics to increase the field of view while maintaining high resolution.

Advisor: John Wen

Thesis Title: Adaptive Scanning Optical Telescope

Education

Boise State University, Boise, Idaho, USA
B.S., Electrical Engineering, May 2006, GPA: 3.59

Work Experience

- Test Engineer for CMOS Imaging Group, Micron Technology, Inc., May 2006-Jan 2007
- Research Assistant for Signal Processing Lab, Boise State University, June 2004-May 2006
- Engineering Intern for Optical Communications Group, Jet Propulsion Laboratory, Summer 2005
- Independent Contractor for Ultimate Creations, Jan 2004-Apr 2004
- Technician, QSI, Inc., Oct 1998-Oct 2002
- Circuit Board Designer, R-Tec Corporation, Jan 1998-Oct 1998

Skills

- Proficient in C, MatLab, LabVIEW, ZEMAX

Honors

- 2005 IEEE Northeast Area Region 6 Micromouse Competition—1st Place
- 2005 Gowen Prize in Biomechanics

Publications and Patents

- C. Scott and E. H. Barney Smith, "An Unsupervised Fluoroscopic Analysis of Knee Joint Kinematics" Proc. 19th IEEE Symposium on Computer-Based Medical Imaging, Salt Lake City, Utah, June 2006

Memberships and Activities

- Member, IEEE Robotics and Automation Society, 2004—Present
- Eta Kappa Nu electrical engineering honor society, 2004—Present
- Idaho Space Grant Consortium (ISGC) NASA Ambassador, 2006-Present
- Vice Chair, Institute of Electrical and Electronics Engineers (IEEE)
Student Chapter, 2005—2006

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