

Student of the Month



Cory Rupp is in his fifth year of graduate school at CU working as a graduate research assistant under Marty Dunn and Kurt Maute. His research focuses on the use of topology optimization as a design tool for mechanical systems subject to the elastic wave equation. Such systems include acoustic waveguides, band-gap and meta-materials, and vibrating piezoelectric energy harvesting structures, which have numerous applications in areas such as ultrasonic evaluation, signal processing, and remote sensing. He expects to graduate in May 2009.

Prior to arriving in Boulder, Cory received his Bachelor's degree from Montana State University – Bozeman, where his interest in research grew as he worked at the Center for Biofilm Engineering studying the mechanical properties of bacterial biofilms. His decision to attend CU was driven by the availability of his current research project, which grasped his then separate interests in wave propagation and optimization.

When not working on research, Cory enjoys a number of disparate activities including hiking and ultimate frisbee, playing cello for Niwot Timberline Symphony Orchestra, volunteering to teach computer literacy at a local elementary school, and reading and discussing literature, in particular philosophy.

