

Active Piezoelectric Sensing for Damage Identification in Honeycomb Composite Panels  
(Mentors: Gyuhae Park/Jason Hundhausen)

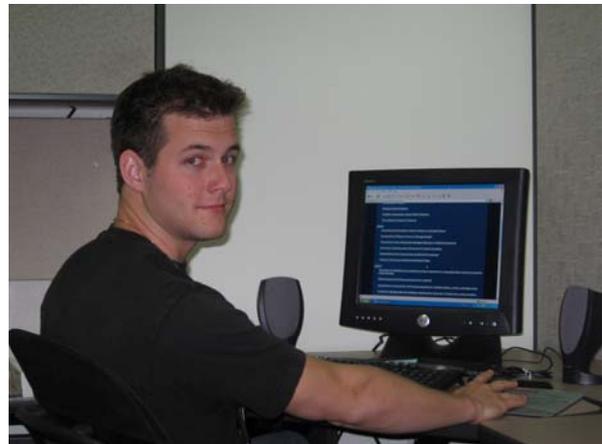
**Dan Backman**

Dan Backman graduated from Tufts University in May 2005 with a BS in Mechanical Engineering with a second major in mathematics. During his undergraduate career, he studied rapid solidification in steel alloys under micro-gravity conditions and wrote a senior honors thesis on the topic. He will be attending The Ohio State University next year to pursue a Masters of Science in Mechanical Engineering where he will be working in the area of computational solid mechanics. Dan grew up in Melrose, Massachusetts and enjoys playing soccer, hiking, skiing, playing his guitar, and making music.



**Eric Flynn**

Eric just received his B.S. in Engineering from Harvey Mudd College in Claremont, California. During his undergraduate studies, Eric's research involved instrumenting buildings with accelerometers and burning them to collapse. Using the collected data, Eric has worked on the development of a health monitoring and collapse prediction tool to one day aid in firefighter safety. Eric's research has also included a forced vibration survey of Folsom Dam for the Army Corps. of Engineers. Eric's previous work with LANL includes two clinic projects for C-ADI in the development of a three dimensional laser speckle interferometer and three kilometer adjustable optical delay line for measuring high speed mesoscopic spatial dynamics. Outside of academics, Eric is a wannabe mountain bike enthusiast. Next year Eric will begin work towards his Masters and PhD in Civil Engineering at Caltech.



**Andrew Swartz**

Andrew graduated in 2000 with his Bachelor's degree in Civil Engineering from Michigan Technological University in Houghton, MI. He is currently pursuing his Master's degree, also in Civil Engineering, at the University of Michigan in Ann Arbor with plans to continue on at the U of M for his PhD. Andrew's research interests include structural dynamics, smart materials, earthquake engineering, wireless sensing, structural health monitoring, and structural controls. Between Michigan Tech and U of M Andrew worked as a structural design engineer at a consulting firm in Bay City, MI. Andrew's hobbies include reading, theater, cinema, hiking, backpacking, sea kayaking, Asian cooking, and sarcasm. Finally, with most sincere apologies to the myriad of ladies who will most assuredly be severely heart-stricken by the news, he has been quite happily married since 2001.

