

Multi-Transducer System for Energy Harvesting (Mentor: Kevin Farinholt, LANL)

Wilfredo Sifuentes - Wilfredo is currently a senior at Universidad del Turabo and will graduate from a B.S. in Mechanical Engineering. He has worked on several projects such as the FSAE and Mini Baja, also is currently developing an Energy Management company as part of the Hispanic Entrepreneurial Program for Innovation from the Universidad del Turabo. He is a current member of Honor Council, Tau Alpha Omega, American Society of Mechanical Engineers (ASME), Society of Automotive Engineers (SAE), and Society of Hispanic Professional Engineers (SHPE). Previous research experience is on characterization of protein nanocrystals in the Nanoscience & Engineering Center (NSEC) in Northwestern University Evanston, Illinois.



Nathan Miller - Nathan is currently a senior at Colorado State University in Fort Collins, Colorado. He will graduate in 2010 with a B.S. in Mechanical Engineering and a minor in Physics. Afterwards, he plans on pursuing a master's degree in either computational fluid dynamics or vibration analysis. Currently he has worked on several projects including small scale manufacturing and the design and implementation of a security system for a car. He is a member of the Navigators, an on campus Christian ministry, where he volunteers in the areas of music and technical support. In his spare time he enjoys listening to and performing

music, hiking, and volunteering at his local church.

Jason MacDonald - Jason recently graduated from the University of Massachusetts Lowell with a B.S. in Mechanical Engineering. He was the President of *Pi Tau Sigma* and a member of *Tau Beta Pi*. As an undergrad Jason worked in the *Advanced Composite Materials and Textile Research Laboratory* (ACMTRL) where he designed and validated custom test fixtures and procedures. He was also an active participant of the 2008 UMass Lowell *Formula SAE* race team, using his knowledge in composites he designed and fabricated the fiberglass-epoxy body panels for the 2008 car. Jason is returning to UMass Lowell in the spring of 2008 to continue his Masters education in the field of Modal Analysis where he will work as a research assistant in the *Modal Analysis and Controls Laboratory* (MACL). Aside from his academic life Jason has many hobbies including woodworking, metal working, photography, hiking in New Hampshire with his dog, and playing hockey in several adult leagues.

