

Ultrasonic Imaging Techniques for Breast Cancer Detection (Mentors: Tom Claytor/Brett Nadler)

Nathan Goulding

Nathan Goulding is currently a senior at New Mexico Tech and will graduate in May 2007 with a B.S. in Electrical Engineering and a B.S. in Computer Science. He is the president of NMT's chapter of Tau Beta Pi, and the chairperson of NMT's student branch of IEEE. During the school year he works as a Peer Facilitator for the Advising Resource Center where he teaches the EE section of "Freshman Seminar." In his spare time, he enjoys playing outside.



Joel Marquez

Joel Marquez is currently a senior at The University of Texas at Austin and will graduate this December with a B.S. in Mechanical Engineering. He is the service chair in Pi Tau Sigma and was a member of FSAE. During the last school year, he completed a two semester interdisciplinary design course sponsored by Schlumberger, where he worked with a team automating one of Schlumberger's calibration processes. In his spare time, he enjoys playing the guitar, weight lifting, cycling and anything outdoors.

Emily Prewett

Emily Prewett recently graduated from the University of Wisconsin-Madison with a B.S. in Engineering Mechanics. She begins graduate studies in Mechanical Engineering at Purdue University in the fall with a focus on structural health monitoring and non-destructive evaluation of aerospace structures. Following completion of graduate work, Emily wants to work for a small aerospace company doing vibration testing on spacecraft. During her undergraduate career Emily was very busy with internships, student projects, and student organizations. She interned for seven months at United Space Alliance in Houston, TX and three months at Polaris Industries in Wyoming, MN. She also participated in three NASA sponsored reduced gravity student research projects and flew on the reduced gravity aircraft twice. She is an active member of AIAA and previously held the positions of Vice President and Outreach Coordinator. She is also a member of Tau Beta Pi. In her free time, Emily enjoys volleyball, wakeboarding, scuba diving, snowboarding, working out, and reading. She plans to join the club volleyball team at Purdue in the fall.

