

The Computer Science Program of CSU Channel Islands presents:

Mobile Robots for Exploration, Assistance and Education

a talk by

Professor David P. Miller

College of Engineering, Aerospace and Mechanical Engineering,
The University of Oklahoma

**Tuesday, February 3rd, 6-7 pm
Del Norte 1500**

Abstract. Mobile robots share some basic characteristics with animals and even people. This makes them ideal for carrying out some tasks normally done by people. This talk will discuss some past and present research I have done using mobile robots to explore natural terrain, and how a correct balance between mechanical and cognitive capabilities can significantly improve performance in certain aspects over what has been demonstrated by NASA rovers. Current work using an assistive co-robot to help children at risk for cerebral palsy to learn how to crawl will also be presented. We will conclude with a discussion of why robotics is an effective CS and engineering outreach tool, and how the sense of deification robotics can create amongst students is useful for promoting STEM education.



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