Computer Science Colloquium

Date: Sept. 15, 2014. 3:30 – 4:20 PM

Place: JEB 328

Speaker: Prof. Axel khrings, University of Idaho Computer Science

Who is Invited? Everyone!

Title: Connected Vehicle Communications: Challenges and Opportunities

Abstract

This talk will give an overview of Intelligent Transportation Systems (ITS) as they consider Dedicated Short Range Communication (DSRC) Safety Applications using Vehicle-to-Vehicle (V2V) and Vehicle-to-Infrastructure (V2I) communications. Whereas on one hand the DSRC Safety Applications are projected to prevent up to 82% of all crashes in the United States involving unimpaired drivers, they pose great challenges to application reliability, especially when one considers malicious act. Several concepts will be outlined that increase reliability of Safety Applications when attackers want them to fail and cause disaster.