BIRMINGHAM

17715

School of Electronic, Electrical and Computer Engineering

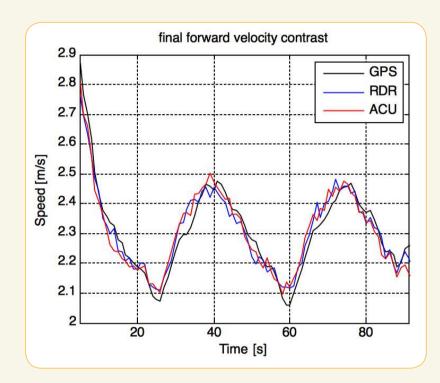
MICROWAVE INTEGRATED **SYSTEMS LABORATORY**

New Generation of Automotive & Robotic Sensors









Accuracy of SOG measurement using GPS, radar (RDR) and acoustic (ACU) equipment

Speed over ground

Obtaining the true Speed Over Ground (SOG) with Doppler radar and ultrasonic sensors for all surfaces, trajectories and speeds



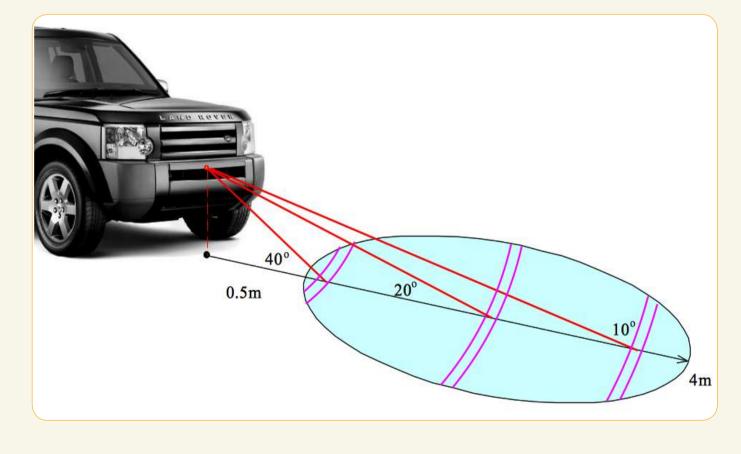




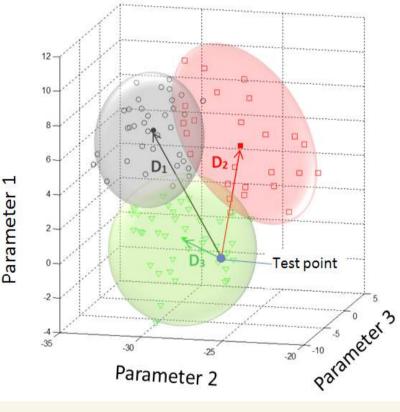


Surface Identification

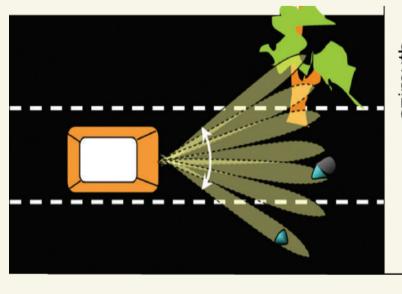
24/7, all weather, compact methods of remote surface identification in front of a vehicle







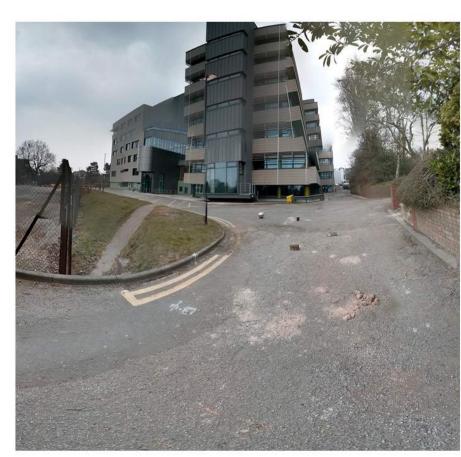


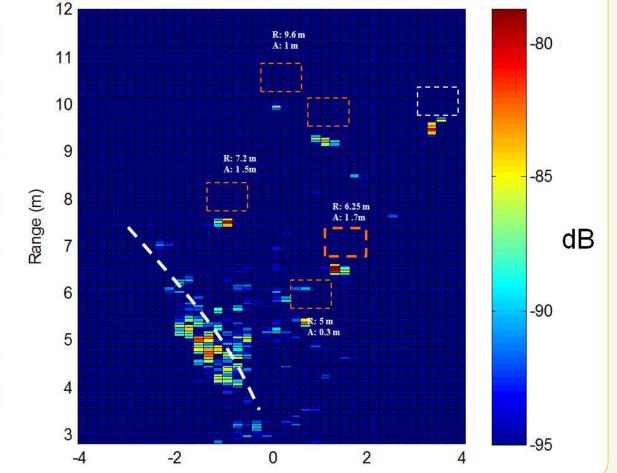




Surface **Imaging**

Real time road image in complex environments (off-road, crosscountry) in severe weather conditions (rain, snow, spray)





Automotive team: A. Bystrov, L. Daniel, V. Sizov, E. Hoare, M. Gashinova