



The Math/Stats Colloquium
Department of Mathematics and Statistics
San José State University



Chang Choo

SJSU EE

Digital Image Processing for Driverless and Driver-Assisting Systems

JANUARY 28, 2015, MH320

Abstract: In this talk, several important image processing and computer vision algorithms for driverless car and driver-assisting system for car will be presented. A typical driverless/driver-assisting system should be capable of lane departure warning, pedestrian/obstacle detection, adaptive cruise control, road sign detection and input video stability. Some key algorithms for enabling the above will be discussed, with mathematical formulation.

Background: Basic calculus and analytic geometry.

About the speaker: Dr. Charles Chang Choo has been a faculty member in Electrical Engineering at SJSU since 1991. He is also currently Director of the DSP/FPGA Design Lab and Video/Image Processing Lab. Dr. Choo received his PhD in computer and systems engineering from Rensselaer Polytechnic Institute, Troy, New York.

SNACKS IN MH331B AT 2:30 PM

TALKS START AT 3 PM

For more information, see our full schedule at:

<http://www.math.sjsu.edu/~hsu/colloq/>