The Computer Science Program of CSU Channel Islands presents:

AIDeR,

the Autonomous Interoffice Delivery Robot from ADVANCED Motion Controls

a talk by

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Tuesday, October 4th, 2016, 6:00 – 7:00 p.m. in SIE 1422.

Abstract: AIDeR is a project to create an interoffice delivery robot that can be contacted by local network users and called into service for material transference from one location to another. This saves time for those people normally making routine trips from opposite ends of the building. The robot is allowed access to the same walkways as individuals but within its specific operating envelope to perform its duties while also knowing its surroundings. Reporting across the network, users will be able to know where it is, how many tasks have been queued up and estimate arrival and drop off times. The overall project has long been an active and recurring project from ADVANCED Motion Controls highlighting servo drives that we design and manufacture. The robot is already in a completed mechanical form in order to provide single-shift deliveries (9-hour work day) of up to 25 kilograms at speeds less than normal walking pace. A total of three servo drives are pre-mounted and ready for CANopen (industry standard) motion commands. Interested in contributing?