Research Conference of Dr. Christine Q. Wu's Group May 5 (Tuesday) 8:30-4:30 E2-361 EITC

Program:

0.50 Det up	8:30	Set-up
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9:00 Christine Q. Wu

Welcome, introduce group members and overview of the research program

9:30 Derek Koop

Passive Dynamic Bipedal Walking with Knees: The Effect of Parameter Variation

10:00 Matthew Nesbitt

Design of a Simplified Foot for Research on ZMP-Based Bipedal Walking Robots and Design of a Passive Quadruped

10:30 Daniel Cheechoo (C. Q. Wu)

Design of a Passive Dynamic Hopper

11:00-11:15 HEALTH BREAK

11:15 Daniel Giesbrecht

Design of a Legged Walking Mechanism "Wind Beast" using Theory of Mechanism Design

11:45 Yuming Sun

H_infinity control for T-S fuzzy model based discrete systems with multiple time delays

12:15-1:00 LUNCH BREAK (A LIGHT LUNCH WILL BE SERVED.)

1:00 Dr. Caixia Yang

On Lab-Based Accelerated Vibration Testing for Articles in the Baggage Bay Area of the Motor Coach in the Vertical Direction

1:30 Sean O'Brien

Vehicle Dynamics Design, Analysis and Production of a Formula SAE Race Car

2:00 Graham Leverick

Flat Plate Solar Collector Design Project

2:30-2:45 HEALTH BREAK

2:30 Ehsan Jalayeri

Improve the Control of Linear Hydraulic Actuators

3:00 Ke Xu

The Feasibility of Straw Bales as an Eco-Friendly and Renewable Alternative to the Current Insulation Methods Used in Manitoba Housing

3:30 Stephen Cull

Flat Plate Solar Collector (MECH 3460 Design Project)

4:00 Christine Q. Wu Closing Remarks