

Department of Mechanical Engineering  
Cleveland State University

MCE/EEC 647/747: Robot Dynamics and Control  
Homework 1 - Fall 2008

**PART 1 DUE: 09-04-08**

1. (30 pts) Select an applications-oriented article on robotics from one of the journals available through the CSU Library's Journal Finder, for example:

- Robotica
- IEEE Transactions on Robotics
- International Journal of Robotics Research

In addition, feel free to use other literature sources, but obtain approval from the instructor. Prepare 2-3 slides (please save as pdf) showing the complete citation and a short summary of the article, focusing on the purpose of the robot/system described, the authors objectives, methodology and results. Be prepared to offer a 5-minute presentation to the class. Please bring a USB stick with the pdf file containing the slide and a pdf version of the article used.

2. (10 pts ea.) Answer questions 1-6 and 1-9 in SHV.

**PART 2 DUE: 09-11-08**

Solve the following problems from SHV: 2-38 and 2-39 (25 pts. ea.)