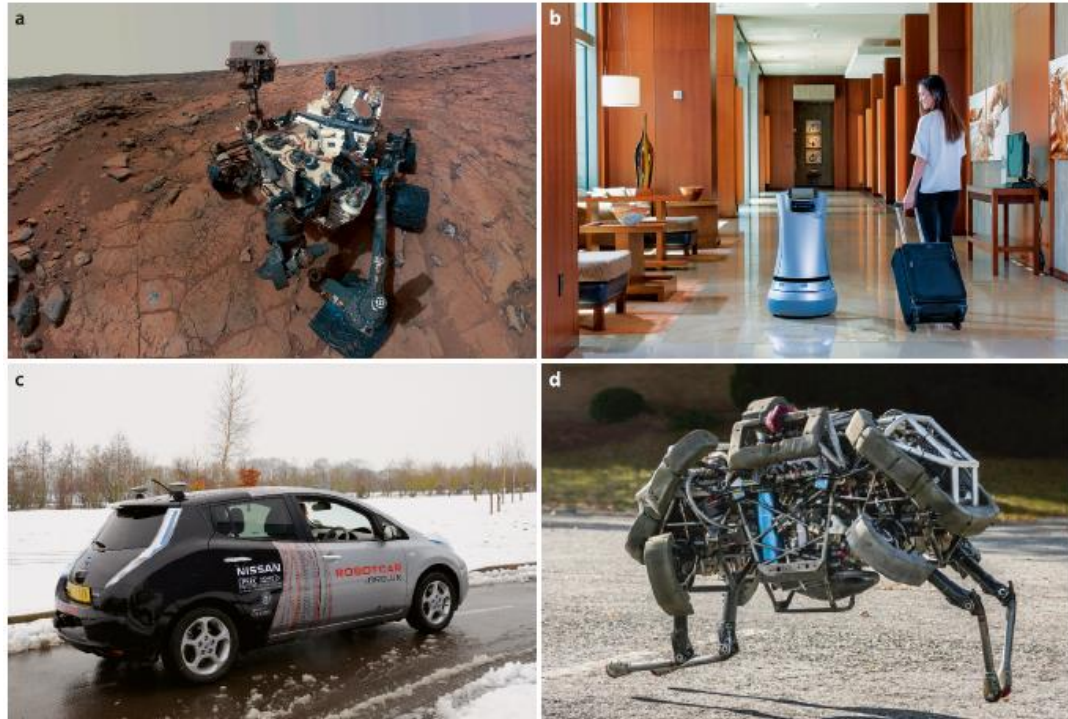


ME 397- ASBR

Week 1-Lecture 1



a Curiosity NASA/JPLCaltech; **b** Savioke Relay; **c** self driving car, Oxford Univ.;
d Cheetah legged robot, Boston Dynamics

FARSHID ALAMBEIGI, Ph.D.

Assistant Professor | Walker Department of Mechanical Engineering
Cockrell School of Engineering | The University of Texas at Austin



The University of Texas at Austin
Mechanical Engineering
Cockrell School of Engineering

Spring 2022

Instructor's Background

➤ Academic Positions

- ❖ Assistant Professor, 2019, The Walker Department of Mechanical Engineering, UT Austin

➤ Education

- ❖ Ph.D., Mechanical Engineering, 2019, Johns Hopkins University, Baltimore, MD
- ❖ M.SE., Robotics, 2017, Johns Hopkins University, Baltimore, MD
- ❖ M.Sc., Mechanical Engineering, 2012, Sharif University of Technology, Tehran, Iran
- ❖ B.Sc., Mechanical Engineering, 2009, K.N.Toosi University of Technology, Tehran, Iran

➤ Research Interests

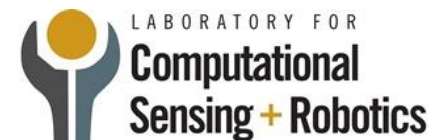
- ❖ Computer Integrated Surgery
- ❖ Surgical Robotics
- ❖ Surgical Autonomy
- ❖ Soft Robotics and Continuum Manipulators
- ❖ Surgingeneering = Engineering + Surgery
- ❖ Biomechanics
- ❖ Innovative Medical Device Design
- ❖ Application of Control Theories in Robotics



K. N. Toosi
University of Technology

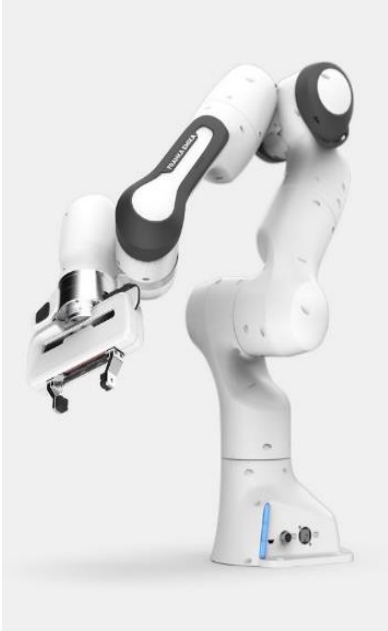


JOHNS HOPKINS
WHITING SCHOOL
of ENGINEERING



Syllabus

Select Robots for your assignments



Franka-Emika



Kuka-Quantec



Kuka LBR



Yaskawa SDA10F



Yaskawa SDA10F robot

- 7 degrees of freedom
- 2 arms



1