EME 171

Analysis, Simulation, and Design of Mechatronic Systems

Fall 2019

Primary Instructor: Jason K. Moore

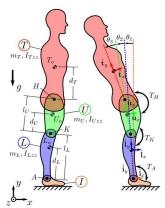
BS @ ODU 2004, Fulbright TU Delft 2009, MS/PhD @ UCD 2007/2012

Assistant Professor of Teaching since 2015 @ UC Davis

Teaches: dynamics, vibrations, biomechanics, mech. design, computer graphics, and capstone









Projects



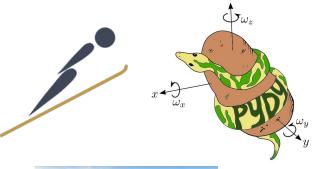
Laboratorium of Marvelous Mechanical Motum

https://mechmotum.github.io/















Teaching Assistant: Kevin Mallon

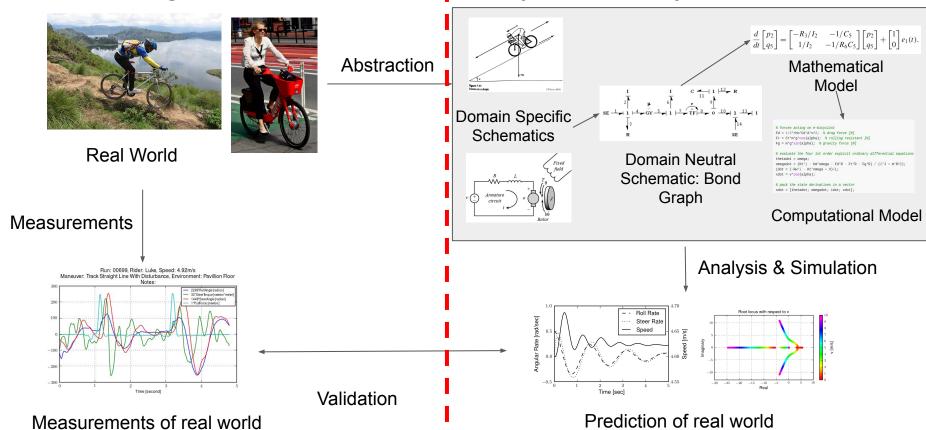


- PhD student working with Prof. Assadian
- BS/MS from Washington University in St. Louis
- Worked at robotic palette handling company
- Third time TA for EME 171
- Research: optimizing for battery life and fuel consumption in hybrid cars

What will you be able to do after this

class?

Modeling and Simulation of Dynamic Systems



Example: Electric Bicycle/Motorcycle

