

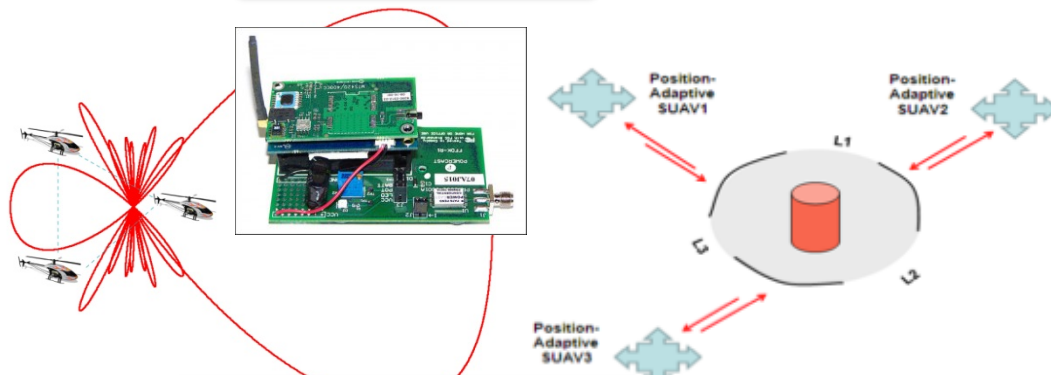


Dr. Raúl Ordóñez <http://homepages.udayton.edu/~ordonez/>

Control Systems and Robotics

Dr. Ordóñez's research spans the fields of systems, controls, sensors and robotics. His focus is on nonlinear systems, nonlinear control, and the connection of control tools and concepts to related areas such as coordinated behavior of autonomous robots, machine learning, image processing, intelligent sensing and optimization. He has sought to build a link between nonlinear control and robotics, encompassing applications such as bipedal humanoid-like motion, control of air vehicles, and vision-based control of electro-mechanical systems. His recent research on Extremum Seeking Control attempts to merge the traditionally disjoint areas of control and optimization, and to create a theoretical framework for intelligent decision-making in autonomous systems.

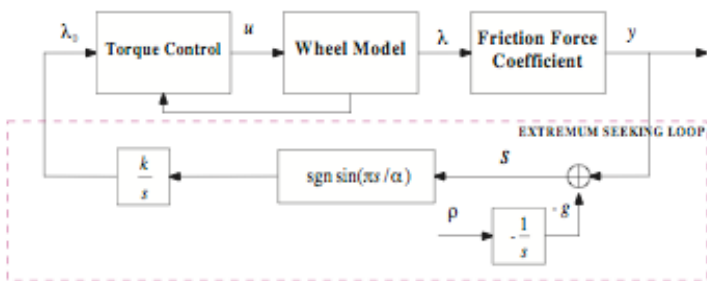
Sensor Networks



Robotics, Machine Learning



Extremum Seeking Control, Nonlinear Control



Autonomous Navigation

