Bringing geometric methods to robot learning, optimization and control

IROS 2020 Workshop

Talk title:

Planning and Control on Riemannian Manifolds with Boundaries

Speaker:

Subhrajit Bhattacharya https://www.lehigh.edu/~sub216/

Abstract:

This talk will cover planning and control on Riemannian manifolds in robotics. Specifically, the talk will introduce discrete search-based planning on simplicial complex representation of manifolds and control algorithms based on path metric and its gradient.