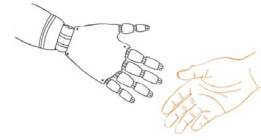


Aspiring PI Info:

- Morteza Lahijanian
- Assistant Professor
- University of Colorado Boulder



ARIA Systems

Assured Reliable Interactive Autonomous

Research interests:

- Cyber-physical systems
- Safe AI
- Formal methods
- Stochastic Systems
- Control Synthesis
- Motion Planning

Current Project(s)

- Correct-by-Construction Controller Synthesis using Gaussian Process Transfer Learning
- Shielded Reinforcement Learning
- Intelligent navigation and planning

Project Idea(s)...

- Reactive Task and Motion Planning
- Data-Driven Learning under Dynamical Constraints and Uncertainties
- Impact:
 - Advancement of Safe Autonomy
 - Broader Technological Applications, e.g., healthcare robotics, disaster response, space exploration
 - Public Trust and Adoption of Autonomous Systems

... and possible collaborators sought

- Always excited to collaborate with experts in Formal Methods and in the field
- Mainly looking for people with complementary interests but also enjoy working with experts with similar interests

