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NASA Jet Propulsion Laboratory

Massachusetts Institute of Technology

Ali-akbar Agha-mohammadi

Group Leader | Robotics Technologist at NASA Jet Propulsion Laboratory

Pasadena, California, United States · 500+ connections ·

Contact info

About

I am a full-stack roboticist, with a focus on planning, perception, and decision making under uncertainty: enabling robots to physically interact with partially-known or fully unknown environments. I like to build end-to-end physical systems powered by AI that can learn and adapt their skills and models over tim... see more

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Group Leader | Robotics Technologist

2016 – Present · 5 yrs
Pasadena, California

At NASA's JPL, I am a group leader at the Autonomous and Robotic Systems Division, and a Principal Investigator (PI) for several projects including:

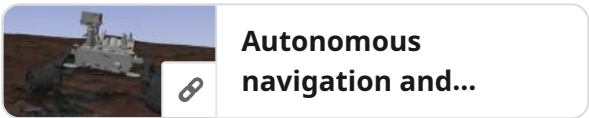
1) Technical Lead for TEAM CoSTAR (<https://costar.jpl.nasa.gov/>) at DARPA Subterranean Challenge. CoSTAR is a team of 60+ contributors, from several institutions (JPL, MIT, Caltech, KAIST, LTU). CoSTAR team is developing autonomous multi-robot systems capable of navigating, 3D-mapping, and searching challenging environments. Team CoSTAR won the urban competition in the DARPA SubT Challenge, held in February 2020.



Group Leader | Robotics Technologist

2016 – Present · 5 yrs

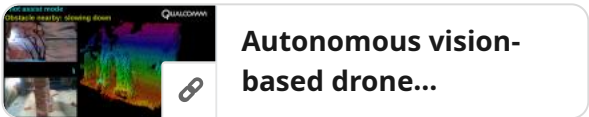
2) Group leader for JPL's "aerial mobility group", whose members are among key contributors to Mars Helicopter. PI and technical lead on the project: "Coordinated Autonomy for prototype Mars Helicopter and Mars Rover", focusing on developing autonomy architectures to inform future multi-robot Mars exploration. ...see more



Research Staff Engineer

Qualcomm Research
2015 – 2016 · 1 yr
San Diego, California

Started Qualcomm's efforts on Robotic Autonomy and motion planning; Developed first autonomy architectures for Qualcomm's autonomous drones, leading to CES 2016 drone demonstrations at Vegas, NV.



Postdoctoral Researcher


Massachusetts Institute of Technology (MIT)

People you may know




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