

Stanford



Dorsa Sadigh

Assistant Professor of Computer Science and of Electrical Engineering

Bio

ACADEMIC APPOINTMENTS

- Assistant Professor, Computer Science
- Assistant Professor, Electrical Engineering
- Faculty Affiliate, Institute for Human-Centered Artificial Intelligence (HAI)
- Member, Wu Tsai Neurosciences Institute

PROGRAM AFFILIATIONS

- Stanford SystemX Alliance

Teaching

COURSES

2021-22

- Algorithms for Interactive Robotics: CS 333 (Win)
- Artificial Intelligence: Principles and Techniques: CS 221 (Aut)
- Principles of Robot Autonomy II: AA 174B, AA 274B, CS 237B, EE 260B (Win)

2020-21

- Artificial Intelligence: Principles and Techniques: CS 221 (Aut)
- Departmental Lecture Series: CS 300 (Aut)
- Principles of Robot Autonomy II: AA 174B, AA 274B, CS 237B, EE 260B (Win)

2019-20

- Artificial Intelligence: Principles and Techniques: CS 221 (Aut)
- Artificial Intelligence: Principles and Techniques: OSPKYOTO 221K (Aut)
- Principles of Robot Autonomy II: AA 174B, AA 274B, CS 237B, EE 260B (Win)

2018-19

- Artificial Intelligence: Principles and Techniques: CS 221 (Spr)
- Safe and Interactive Robotics: CS 333 (Aut)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Parastoo Abtahi, Chien-yi Chang, Robert Dyro, Rachel Luo, Toki Migimatsu, Mehrad Moradshahi, Tong Mu, Suraj Nair, Eley Ng, Julia White, Javier Yu, Tianhe Yu, Bill Zhu

Postdoctoral Faculty Sponsor

Yuchen Cui

Orals Evaluator

Julia Belk, Soyeon Jung, Tianhe Yu

Doctoral Dissertation Advisor (AC)

Mengxi Li, Megha Srivastava

Doctoral Dissertation Co-Advisor (AC)

Julia Belk, Hong Jun Jeon, Nick Landolfi

Master's Program Advisor

Torstein Eliassen, Toby Frager, Kathy Huang, Zhiling Huang, Brandon Kang, Pei-Wei Kao, Phillip Kim, Siyan Li, Sam Lowe, Yuntao Ma, Stefan Orosco, Jian Vora, Yilin Wu, Peter Zhang

Doctoral (Program)

Suneel Belkhale, Zhangjie Cao, Julia Costacurta, Jennifer Grannen, Joey Hejna, Siddharth Karamcheti, Minae Kwon, Mengxi Li, Ali Mottaghi, Andy Shih, Priya Sundaesan

Publications

PUBLICATIONS

● **Verifying Robustness of Human-Aware Autonomous Cars**

Sadigh, D., Sastry, S., Seshia, S. A.
ELSEVIER SCIENCE BV.2019: 131–38

● **Planning for cars that coordinate with people: leveraging effects on human actions for planning and active information gathering over human internal state**

Sadigh, D., Landolfi, N., Sastry, S. S., Seshia, S. A., Dragan, A. D.
SPRINGER.2018: 1405–26

● **Multi-Agent Generative Adversarial Imitation Learning**

Song, J., Ren, H., Sadigh, D., Ermon, S., Bengio, S., Wallach, H., Larochelle, H., Grauman, K., CesaBianchi, N., Garnett, R.
NEURAL INFORMATION PROCESSING SYSTEMS (NIPS).2018

● **Maximizing Road Capacity Using Cars that Influence People**

Lazar, D. A., Chandrasekher, K., Pedarsani, R., Sadigh, D., IEEE
IEEE.2018: 1801–8