

Prof. Siddhartha Srinivasa

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Employment

Professor	2023-
Boeing Endowed Professor in Computer Science & Engineering	2017-23
Computer Science & Engineering Department, University of Washington	
Finmeccanica Associate Professor in Computer Science	2013-17
Associate Professor	2011-13
The Robotics Institute, Carnegie Mellon University	
Member, Board of Directors, Zordi Inc.	2021-
Distinguished Engineer, Cruise Inc.	2022-25
Director, Robotics AI, Amazon Inc.	2018-22
First Wave Founder, Berkshire Grey Inc.	2014-18
Senior Research Scientist, Intel Labs Pittsburgh	2005-11

Recent Paper Awards

- [1] A. Nanavati*, P. Alves-Oliveira*, T. Schrenk, E.K. Gordon, M. Cakmak, and S. S. Srinivasa. Design principles for robot-assisted feeding in social contexts. In *ACM/IEEE International Conference on Human-Robot Interaction*, 2023. **Best Design Paper Award Winner**
- [2] D. Gallenberger, T. Bhattacharjee, Y. Kim, and S.S. Srinivasa. Transfer depends on acquisition: Analyzing manipulation strategies for robotic feeding. In *ACM/IEEE International Conference on Human-Robot Interaction*, 2019. **Best Paper Award Winner for Technical Advances in HRI**
- [3] A. Mandalika, S. Choudhury, O. Salzman, and S.S. Srinivasa. Generalized Lazy Search for Robot Motion Planning: Interleaving Search and Edge Evaluation via Event-based Toggles. In *International Conference on Automated Planning and Scheduling*, 2019. **Best Student Paper Award Winner**
- [4] N. Haghtalab, S. Mackenzie, A.D. Procaccia, O Salzman, and S.S. Srinivasa. The Provable Virtue of Laziness in Motion Planning. In *International Conference on Automated Planning and Scheduling*, 2018. **Best Conference Paper Award Winner**

Five Most Relevant Publications to UW + Amazon Science Hub Robotics Call

- [1] Liyiming Ke*, Yunchu Zhang*, Abhay Deshpande, Abhishek Gupta, and Siddhartha Srinivasa. CCIL: Continuity-based Data Augmentation for Corrective Imitation Learning. In *International Conference on Learning Representations*, 2024
- [2] Yunchu Zhang*, Liyiming Ke*, Abhay Deshpande, Abhishek Gupta, and Siddhartha Srinivasa. Cherry Picking with Reinforcement Learning. In *Robotics: Science and Systems*, 2023
- [3] YR. Wang, J. Duan, D. Fox, and S. Srinivasa. Newton: Are large language models capable of physical reasoning? In *Empirical Methods in Natural Language Processing*, 2023
- [4] G. Zhou, L. Ke, S. S. Srinivasa, A. Gupta, A. Rajeswaran, and V Kumar. Real world offline reinforcement learning with realistic data source. In *IEEE International Conference on Robotics and Automation*, 2023
- [5] L. Ke, J. Wang, T. Bhattacharjee, B. Boots, and S.S. Srinivasa. Grasping with Chopsticks: Combating Covariate Shift in Model-free Imitation Learning for Fine Manipulation. In *IEEE International Conference on Robotics and Automation*, 2021

References

- [1] D. Gallenberger, T. Bhattacharjee, Y. Kim, and S.S. Srinivasa. Transfer depends on acquisition: Analyzing manipulation strategies for robotic feeding. In *ACM/IEEE International Conference on Human-Robot Interaction*, 2019. **Best Paper Award Winner for Technical Advances in HRI.**
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- [4] Liyiming Ke*, Yunchu Zhang*, Abhay Deshpande, Abhishek Gupta, and Siddhartha Srinivasa. CCIL: Continuity-based Data Augmentation for Corrective Imitation Learning. In *International Conference on Learning Representations*, 2024.
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- [7] YR. Wang, J. Duan, D. Fox, and S. Srinivasa. Newton: Are large language models capable of physical reasoning? In *Empirical Methods in Natural Language Processing*, 2023.
- [8] Yunchu Zhang*, Liyiming Ke*, Abhay Deshpande, Abhishek Gupta, and Siddhartha Srinivasa. Cherry Picking with Reinforcement Learning. In *Robotics: Science and Systems*, 2023.
- [9] G. Zhou, L. Ke, S. S. Srinivasa, A. Gupta, A. Rajeswaran, and V Kumar. Real world offline reinforcement learning with realistic data source. In *IEEE International Conference on Robotics and Automation*, 2023.