# Sonia Chernova

*Associate Professor*

*School of Interactive Computing*
*Georgia Institute of Technology*
*chernova@cc.gatech.edu*
*http://www.cc.gatech.edu/~chernova*
*(404) 385-4753*

## I. Earned Degrees

2003 B.S. in Computer Science, Minor in Robotics, *Carnegie Mellon University*

2009 Ph.D. in Computer Science, *Carnegie Mellon University*

## II. Employment History

08/2018–present Associate Professor, *Georgia Institute of Technology*, Atlanta, GA

08/2015–08/2018 Assistant Professor, *Georgia Institute of Technology*, Atlanta, GA

08/2010–07/2015 Assistant Professor, *Worcester Polytechnic Institute*, Worcester, MA

08/2009–08/2010 Postdoctoral Associate, *MIT Media Lab*, Cambridge, MA

06/2007–09/2007 Visiting Researcher, *iRobot Corporation*, Bedford, MA

07/2005–10/2005 Visiting Researcher, *Sony Intelligence Dynamics Laboratory*, Tokyo, Japan

## III. Honors and Awards

**Research**

2025 Georgia Tech College of Computing Dean's Award

2021 Founding Director of NSF National AI Institute on Collaborative Assistance and Responsive Interaction in Networked Groups (AI-CARING)

2021 Best Paper Award in Technical Advances in HRI at IEEE/ACM International Conference on Human-Robot Interaction (HRI) for Das, Banerjee & Chernova, "Explainable AI for Robot Failures: Generating Explanations that Improve User Assistance in Fault Recovery"

2016 Best Paper Finalist, IEEE International Symposium on Robot and Human Interactive Communication

2020 Best Paper finalist in Service Robotics finalist at IEEE Conference on Robotics and Automation (ICRA) for Kent & Chernova, "Human-Centric Active Perception for Autonomous Observation"

2019 Best Paper finalist in Service Robotics finalist at IEEE Conference on Robotics and Automation (ICRA) for Erickson et al, "Classification of Household Materials via Spectroscopy"

2019 1st place, ICRA *FetchIt! Mobile Manipulation Challenge*, winner of over $100,000 in prizes

2018 National Academy of Engineering, Frontiers of Engineering Top 100 Researcher

2016 NASA Early Career Faculty Award

2016 International Joint Conf. on Artificial Intelligence, Early Career Spotlight

2016 Best Paper Finalist, IEEE Ro-MAN for Kabir et al, "Whats in a Primitive? Identifying Reusable Motion Trajectories in Narrated Demonstrations"

2015 Sigma Xi Outstanding Junior Faculty Research Award, WPI

2014 ONR Young Investigator Award

2012 NSF CAREER Award

2004 NSF Graduate Fellowship, Honorable Mention

### Teaching

2018-2024 Georgia Tech, *Thank a Teacher* recipient, 2018, 2020, 2021, 2022 and 2024

2015 Trustees' Award for Outstanding Academic Advising, WPI

2015 Intel-Cornell Cup, 1st place, *advised student team in national embedded design competition for undergraduate students*

2015 Best undergraduate capstone project in Robotics (WPI), 1st place

2014 Best undergraduate capstone project in Robotics (WPI), honorable mention

2013 Best undergraduate capstone project in Robotics (WPI), 1st place

2011 Best undergraduate capstone project in Robotics (WPI), 1st place

## IV. Research, Scholarship, and Creative Activities

### A. Published Books, Book Chapters, and Edited Volumes

### A1. Books

A1.1. Sonia Chernova and Andrea L Thomaz. *Robot Learning from Human Teachers*, volume 8. Morgan & Claypool Publishers, 2014.

A1.2. Sonia Chernova. *Encyclopedia of the Sciences of Learning*. Springer, 2012. Entry on Robot Learning from Demonstration, pp. 2871-2873.

### B. Refereed Publications and Submitted Articles

### B1. Published and Accepted Journal Articles

B1.1. Maithili Patel and Sonia Chernova. Robot behavior personalization from sparse user feedback. *IEEE Robotics and Automation Letters*, 2025.

B1.2. Sonia Chernova, Elizabeth Mynatt, Agata Rozga, Reid Simmons, and Holly Yanco. Ai-caring: National ai institute for collaborative assistance and responsive interaction for networked groups. *AI Magazine*, 45(1):124–130, 2024.

B1.3. Jennifer Molnar, Varun Agrawal, and Sonia Chernova. Clustering user preferences for personalized teleoperation control schemes via trajectory similarity analysis. *Frontiers in Robotics and AI*, 11, 2024.

B1.4. Kartik Ramachandruni, Cassandra Kent, and Sonia Chernova. Uhtp: A user-aware hierarchical task planning framework for communication-free, mutually-adaptive human-robot collaboration. *ACM Transactions on Human-Robot Interaction*, 13(3), 2024.

B1.5. Ethan Schneider, Daniel Wu, Devleena Das, and Sonia Chernova. Ce-mrs: Contrastive explanations for multi-robot systems. *IEEE Robotics and Automation Letters*, 9(11):10121–10128, 2024.

B1.6. Naoto Takeda, Roberto Legaspi, Yasutaka Nishimura, Kazushi Ikeda, Atsunori Minamikawa, Thomas Plötz, and Sonia Chernova. Sensor event sequence prediction for proactive smart home: A gpt2-based autoregressive language model approach. *J. Ambient Intell. Smart Environ.*, 16(3):275–308, 2024.

B1.7. Joanne Truong, April Zitkovich, Sonia Chernova, Dhruv Batra, Tingnan Zhang, Jie Tan, and Wenhao Yu. Indoorsim-to-outdoorreal: Learning to navigate outdoors without any outdoor experience. *IEEE Robotics and Automation Letters*, 9(5):4798–4805, 2024.

B1.8. Devleena Das, Yasutaka Nishimura, Rajan P Vivek, Naoto Takeda, Sean T Fish, Thomas Ploetz, and Sonia Chernova. Explainable activity recognition for smart home systems. *ACM Transactions on Interactive Intelligent Systems*, 13(2):1–39, 2023.

B1.9. Weiyu Liu, Dhruva Bansal, Angel Daruna, and Sonia Chernova. Learning instance-level n-ary semantic knowledge at scale for robots operating in everyday environments. *Autonomous Robots*, 47(5):529–547, 2023.

B1.10. Weiyu Liu, Angel Daruna, Maithili Patel, Kartik Ramachandruni, and Sonia Chernova. A survey of semantic reasoning frameworks for robotic systems. *Robotics and Autonomous Systems"*, 159, 2023.

B1.11. Glen Neville, Sonia Chernova, and Harish Ravichandar. D-itags: A dynamic interleaved approach to resilient task allocation, scheduling, and motion planning. *IEEE Robotics and Automation Letters*, 8(2):1037–1044, 2023.

B1.12. Evana Gizzi, Lakshmi Nair, Sonia Chernova, and Jivko Sinapov. Creative problem solving in artificially intelligent agents: A survey and framework. *Journal of Artificial Intelligence Research*, 75:857–911, 2022.

B1.13. Shruthi K Hiremath, Yasutaka Nishimura, Sonia Chernova, and Thomas Plötz. Bootstrapping human activity recognition systems for smart homes from scratch. *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies*, 6(3):1–27, 2022.

B1.14. Andrew Messing, Glen Neville, Sonia Chernova, Seth Hutchinson, and Harish Ravichandar. Grstaps: Graphically recursive simultaneous task allocation, planning, and scheduling. *The International Journal of Robotics Research*, 41(2):232–256, 2022.

B1.15. Angel Daruna, Mehul Gupta, Mohan Sridharanand, and Sonia Chernova. Continual learning of knowledge graph embeddings. *IEEE Robotics and Automation Letters*, 2021.

B1.16. Joanne Truong, Sonia Chernova, and Dhruv Batra. Bi-directional domain adaptation for sim2real transfer of embodied navigation agents. *IEEE Robotics and Automation Letters*, 2021.

B1.17. Sonia Chernova, Vivian Chu, Angel Daruna, Haley Garrison, Meera Hahn, Priyanka Khante, Weiyu Liu, and Andrea Thomaz. Situated bayesian reasoning framework for robots operating in diverse everyday environments. In *Robotics Research*, pages 353–369. Springer, 2020.

B1.18. Abhishek Kadian, Joanne Truong, Aaron Gokaslan, Alexander Clegg, Erik Wijmans, Stefan Lee, Manolis Savva, Sonia Chernova, and Dhruv Batra. Sim2real predictivity: Does evaluation in simulation predict real-world performance? *IEEE Robotics and Automation Letters*, 5(4):6670–6677, 2020.

B1.19. David Kent, Carl Saldanha, and Sonia Chernova. Leveraging depth data in remote robot teleoperation interfaces for general object manipulation. *The International Journal of Robotics Research*, 39(1):39–53, 2020.

B1.20. Lakshmi Nair and Sonia Chernova. Feature guided search for creative problem solving through tool construction. *Frontiers in Robotics and AI-Human-Robot Interaction*, 2020.

B1.21. Harish Ravichandar, Athanasios S Polydoros, Sonia Chernova, and Aude Billard. Recent advances in robot learning from demonstration. *Annual Review of Control, Robotics, and Autonomous Systems*, 3, 2020.

B1.22. Harish Ravichandar, Kenneth Shaw, and Sonia Chernova. Strata: unified framework for task assignments in large teams of heterogeneous agents. *Journal on Autonomous Agents and Multi Agent Systems*, 34(2):38, 2020.

B1.23. Zackory Erickson, Nathan Luskey, Sonia Chernova, and Charlie Kemp. Classification of household materials via spectroscopy. *IEEE Robotics and Automation Letters*, 2019.

B1.24. Reza Ahmadzadeh and Sonia Chernova. Trajectory-based skill learning using generalized cylinders. *Frontiers in Robotics and AI*, 2018.

B1.25. Siddhartha Banerjee, Andrew Silva, and Sonia Chernova. Robot classification of human interruptibility, and a study of its effects. *ACM Transactions on Human-Robot Interaction*, 2018.

B1.26. Anahita Mohseni-Kabir, Changshuo Li, Victoria Wu, Daniel Miller, Benjamin Hylak, Sonia Chernova, Dmitry Berenson, Candace Sidner, and Charles Rich. Simultaneous learning of hierarchy and primitives for complex robot tasks. *Autonomous Robots*, pages 1–16, 2018.

B1.27. Adrian Boteanu, Sonia Chernova, David Nunez, and Cynthia Breazeal. Fostering parent-child dialog through automated discussion suggestions. *User Modeling and User-Adapted Interaction*, 26:393–423, December 2016.

B1.28. Adrian Boteanu, Aaron St. Clair, Anahita Mohseni-Kabir, Carl Saldanha, and Sonia Chernova. Leveraging large-scale semantic networks for adaptive robot task learning and execution. *Journal of Big Data*, 4:217–235, Dec 2016.

B1.29. David Kent, Morteza Behrooz, and Sonia Chernova. Crowdsourcing the Construction of a 3D Object Recognition Database for Robotic Grasping. *Autonomous Robots*, 2015.

B1.30. Calder Phillips-Grafflin, Halit Bener Suay, Jim Mainprice, Nicholas Alunni, Daniel Lofaro, Dmitry Berenson, Sonia Chernova, Robert W Lindeman, and Paul Oh. From Autonomy to Cooperative Traded Control of Humanoid Manipulation Tasks with Unreliable Communication: Applications to the Valve-turning Task of the DARPA Robotics Challenge and Lessons Learned. *Journal of Intelligent and Robotic Systems*, 2015.

B1.31. Nicholas Alunni, Calder Phillips-Grafflin, Halit Bener Suay, Jim Mainprice, Daniel Lofaro, Dmitry Berenson, Sonia Chernova, Robert W Lindeman, and Paul Oh. Toward a user-guided manipulation framework for high-DOF robots with limited communication. *Journal of Intelligent Service Robotics, Special Issue on Technologies for Practical Robot Applications*, 2014.

B1.32. Russell Toris, David Kent, and Sonia Chernova. The Robot Management System: A Framework for Conducting Human-Robot Interaction Studies Through Crowdsourcing. *Journal of Human-Robot Interaction*, 2014.

B1.33. Cynthia Breazeal, Nick DePalma, Jeff Orkin, Sonia Chernova, and Malte Jung. Crowdsourcing human-robot interaction: New methods and system evaluation in a public environment. *Journal of Human-Robot Interaction*, 2(1):82–111, 2013.

B1.34. Halit Bener Suay, Russell Toris, and Sonia Chernova. A practical comparison of three robot learning from demonstration algorithm. *International Journal of Social Robotics*, 4(4):319–330, 2012.

B1.35. Sonia Chernova, Nick DePalma, and Cynthia Breazeal. Crowdsourcing real world human-robot dialog and teamwork through online multiplayer games. *AI Magazine*, 32(4):100–111, 2011.

B1.36. Taskin Padir, Gregory S Fischer, Sonia Chernova, and Michael A Gennert. A unified and integrated approach to teaching a two-course sequence in robotics engineering. *Journal of Robotics and Mechatronics*, 23(5):748, 2011.

B1.37. Sonia Chernova and Manuela Veloso. Confidence-based multi-robot learning from demonstration. *International Journal of Social Robotics*, 2(2):195–215, 2010.

B1.38. Brenna Argall[†], Sonia Chernova[†], Manuela Veloso, and Brett Browning. A survey of robot learning from demonstration. *Robotics and Autonomous Systems*, 57(5):469–483, 2009. ([†] Equal contribution by first two co-authors.).

B1.39. Sonia Chernova and Manuela Veloso. Interactive policy learning through confidence-based autonomy. *Journal of Artificial Intelligence Research*, 34(1):1, 2009.

B1.40. Manuela Veloso, Nicholas Armstrong-Crews, Sonia Chernova, Elisabeth Crawford, Colin McMillen, Maayan Roth, Douglas Vail, and Stefan Zickler. A team of humanoid game commentators. *International Journal of Humanoid Robotics*, 5(03):457–480, 2008.

B1.41. Sonia Chernova and Ronald C Arkin. From deliberative to routine behaviors: a cognitively inspired action-selection mechanism for routine behavior capture. *Adaptive Behavior*, 15(2):199–216, 2007.

B1.42. Manuela M Veloso, Paul E Rybski, Scott Lenser, Sonia Chernova, and Douglas Vail. CMRoboBits: Creating an intelligent AIBO robot. *AI magazine*, 27(1):67, 2006.

### B2. Conference Presentation with Proceedings (Refereed)

B2.1. Kantwon Rogers and Sonia Chernova. Playing dumb to get smart: Creating and evaluating an llm-based teachable agent within university computer science classes. In *CHI*, New York, NY, USA, 2025. Association for Computing Machinery.

B2.2. Michael J. Johnson, Christopher Lynnly Hovey, Sherri Sanders, Cedric Stallworth, Ryan Mendes, Andrea G. Parker, Adrian Choi, Sherilyn Francis, Darley Sackitey, Sonia Chernova, Maithili Patel, Xiang Zhi Tan, Rosa I. Arriaga, Britney L. Johnson, and Betsy DiSalvo. Lessons learned from developing and implementing a high school cs bridge program. In *Proceedings of the 2024 on RESPECT Annual Conference*, RESPECT 2024, page 51–59, New York, NY, USA, 2024. Association for Computing Machinery.

B2.3. Glen Neville, Jiazhen Liu, Sonia Chernova, and Harish Ravichandar. Q-ITAGS: Quality-Optimized Spatio-Temporal Heterogeneous Task Allocation with a Time Budget. In *International Symposium on Robotics Research (ISRR)*, 2024.

B2.4. Naoto Takeda, Roberto Legaspi, Yasutaka Nishimura, Kazushi Ikeda, Thomas Plotz, and Sonia; Chernova. A Synergistic Large Language Model and Supervised Learning Approach to Zero-Shot and Continual Activity Recognition in Smart Homes. In *International Conference on Big Data Analytics*, 2024.

B2.5. Oscar Jed Chuy, Hritik Sapra, Xiang Zhi Tan, Harish Ravichandar, and Sonia Chernova. Benefits of multi-objective trajectory adaptation in close-proximity human-robot interaction. In *32nd IEEE International Conference on Robot and Human Interactive Communication, RO-MAN*, pages 2156–2161. IEEE, 2023.

B2.6. Devleena Das, Sonia Chernova, and Been Kim. State2explanation: Concept-based explanations to benefit agent learning and user understanding. In *Thirty-seventh Conference on Neural Information Processing Systems*, 2023.

B2.7. Devleena Das, Been Kim, and Sonia Chernova. Subgoal-based explanations for unreliable intelligent decision support systems. In *Proceedings of the 28th International Conference on Intelligent User Interfaces*, pages 240–250, 2023.

B2.8. Weiyu Liu, Tucker Hermans, Sonia Chernova, and Chris Paxton. Structdiffusion: Object-centric diffusion for semantic rearrangement of novel objects. In *Robotics: Science and Systems (RSS)*, 2023.

B2.9. Yasutaka Nishimura, Naoto Takeda, Roberto Legaspi, Kazushi Ikeda, Thomas Plötz, and Sonia Chernova. Allfa: Active learning through label and feature augmentation. In *2023 International Conference on Machine Learning and Applications (ICMLA)*, pages 158–165. IEEE, 2023.

B2.10. Yasutaka Nishimura, Naoto Takeda, Roberto Legaspi, Kazushi Ikeda, Thomas Plötz, and Sonia Chernova. Extraction of important temporal order for explainable ai on time-series data. In *2023 IEEE International Conference on Pervasive Computing and Communications Workshops and other Affiliated Events (PerCom Workshops)*, pages 659–664. IEEE, 2023.

B2.11. Maithili Patel, Aswin Gururaj Prakash, and Sonia Chernova. Predicting routine object usage for proactive robot assistance. In *7th Annual Conference on Robot Learning*, 2023.

B2.12. Kartik Ramachandruni, Max Zuo, and Sonia Chernova. Consor: A context-aware semantic object rearrangement framework for partially arranged scenes. In *2023 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, pages 82–89. IEEE, 2023.

B2.13. Naoto Takeda, Roberto Legaspi, Yasutaka Nishimura, Kazushi Ikeda, Atsunori Minamikawa, Thomas Plötz, and Sonia Chernova. Sensor event sequence prediction for proactive smart home support using autoregressive language model. In *2023 19th International Conference on Intelligent Environments (IE)*, pages 1–8, 2023.

B2.14. Angel Daruna, Devleena Das, and Sonia Chernova. Explainable knowledge graph embedding: Inference reconciliation for knowledge inferences supporting robot actions. In *2022 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, pages 1008–1015. IEEE, 2022.

B2.15. Jack Kolb, Harish Ravichandar, and Sonia Chernova. Leveraging cognitive states in human-robot teaming. In *2022 31st IEEE International Conference on Robot and Human Interactive Communication (RO-MAN)*, pages 792–799. IEEE, 2022.

B2.16. Maithili Patel and Sonia Chernova. Proactive robot assistance via spatio-temporal object modeling. In *Conference on Robot Learning (CoRL)*, 2022.

B2.17. Joanne Truong, Max Rudolph, Naoki Yokoyama, Sonia Chernova, Dhruv Batra, and Akshara Rai. Rethinking sim2real: Lower fidelity simulation leads to higher sim2real transfer in navigation. In *Conference on Robot Learning (CoRL)*, 2022.

B2.18. Angel Daruna, Lakshmi Nair, Weiyu Liu, and Sonia Chernova. Towards robust one-shot task execution using knowledge graph embeddings. In *IEEE International Conference on Robotics and Automation (ICRA)*, 2021.

B2.19. Devleena Das, Siddhartha Banerjee, and Sonia Chernova. Explainable ai for robot failures: Generating explanations that improve user assistance in fault recovery. In *ACM/IEEE International Conference on Human-Robot Interaction (HRI)*. ACM/IEEE, 2021. (23% acceptance rate, Best Paper Award).

B2.20. Devleena Das and Sonia Chernova. Extending explainable ai frontiers: Leveraging semantic scene graphs to explain robot failures. In *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2021.

B2.21. Jack Kolb, Mayank Kishore, Kenneth Shaw, Harish Ravichandar, and Sonia Chernova. Predicting individual human performance in human-robot teaming. In *IEEE International Conference on Robot and Human Interactive Communication (RO-MAN)*, 2021.

B2.22. Weiyu Liu, Dhruva Bansal, Angel Daruna, and Sonia Chernova. Learning instance-level n-ary semantic knowledge at scale for robots operating in everyday environments. In *Robotics: Science and Systems*, 2021.

B2.23. Glen Neville, Andrew Messing, Harish Ravichandar, Seth Hutchinson, and Sonia Chernova. An interleaved approach to trait-based task allocation and scheduling. In *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2021.

B2.24. Muhammad Asif Rana, Anqi Li, Dieter Fox, Sonia Chernova, Byron Boots, and Nathan Ratliff. Towards coordinated robot motions: End-to-end learning of motion policies on transform trees. In *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2021.

B2.25. Max Rudolph, Sonia Chernova, and Harish Ravichandar. Desperate times call for desperate measures: Towards risk-adaptive task allocation. In *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2021.

B2.26. Joanne Truong, Sonia Chernova, and Dhruv Batra. Bi-directional domain adaptation for sim2real transfer of embodied navigation agents. In *IEEE International Conference on Robotics and Automation (ICRA)*, 2021.

B2.27. Joanne Truong, Denis Yarats, Tianyu Li, Franziska Meier, Sonia Chernova, Dhruv Batra, and Akshara Rai. Learning navigation skills for legged robots with learned robot embeddings. In *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2021.

B2.28. Siddhartha Banerjee, Matthew Gombolay, and Sonia Chernova. A tale of two suggestions: Action and diagnosis recommendations for responding to robot failure. In *IEEE International Conference on Robot and Human Interactive Communication (RO-MAN)*, 2020.

B2.29. Kevin Chen, Nithin Shrivatsav, David Kent, Harish Ravichandar, and Sonia Chernova. Learning Hierarchical Task Networks with Preferences from Unannotated Demonstrations. In *Conference on Robot Learning (CoRL)*, pages 1–8, 2020. (34% acceptance rate).

B2.30. Devleena Das and Sonia Chernova. Leveraging Rationales to Improve Human Task Performance. In *ACM International Conference on Intelligent User Interfaces (IUI)*, 2020. (23% acceptance rate).

B2.31. Zackory Erickson, Eliot Xing, Bharat Srirangam, Sonia Chernova, and Charlie Kemp. Multimodal material classification for robots using spectroscopy and high resolution texture imaging. In *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2020.

B2.32. Evana Gizzi, Lakshmi Nair, Jivko Sinapov, and Sonia Chernova. From computational creativity to creative problem solving agents. In *11th International Conference on Computational Creativity (ICCC'20)*, 2020.

B2.33. Abhinav Jain, Daphne Chen, Dhruva Bansal, Samuel Scheele, Mayank Kishore, Hritik Sapra, David Kent, Harish Ravichandar, and Sonia Chernova. Anticipatory human-robot collaboration via multi-objective trajectory optimization. In *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2020.

B2.34. Abhishek Kadian, Joanne Truong, Aaron Gokaslan, Alexander Clegg, Erik Wijmans, Stefan Lee, Manolis Savva, Sonia Chernova, and Dhruv Batra. Sim2real predictivity: Does evaluation in simulation predict real-world performance. In *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2020.

B2.35. David Kent and Sonia Chernova. Human-Centric Active Perception for Autonomous Observation . In *IEEE International Conference on Robotics and Automation (ICRA)*, 2020. Best Paper Nomination.

B2.36. Weiyu Liu, Angel Daruna, and Sonia Chernova. CAGE: Context-Aware Grasping Engine. In *IEEE International Conference on Robotics and Automation (ICRA)*, 2020.

B2.37. Weiyu Liu, Angel Daruna, Zsolt Kira, and Sonia Chernova. Path ranking with attention to type hierarchies. In *AAAI Conference on Artificial Intelligence*, 2020.

B2.38. Adithyavairavan Murali, Weiyu Liu, Kenneth Marino, Sonia Chernova, and Abhinav Gupta. Same Object, Different Grasps: Data and Semantic Knowledge for Task-Oriented Grasping. In *Conference on Robot Learning (CoRL)*, pages 1–8, 2020. (34% acceptance rate).

B2.39. Glen Neville, Harish Ravichandar, Kenneth Shaw, and Sonia Chernova. Approximated dynamic trait models for heterogeneous multi-robot teams. In *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2020.

B2.40. M. Asif Rana, Daphne Chen, S. Reza Ahmadzadeh, Jacob Williams, Vivian Chu, and Sonia Chernova. Benchmark for Skill Learning from Demonstration: Impact of User Experience, Task Complexity, and Start Configuration on Performance. In *IEEE International Conference on Robotics and Automation (ICRA)*, 2020.

B2.41. Siddhartha Banerjee, Angel Daruna, David Kent, Weiyu Liu, Jonathan Balloch, Abhinav Jain, Akshay Krishnan, Muhammad Asif Rana, Harish Ravichandar, Binit Shah, and Nithin Shrivatsav Srikanth. Taking Recoveries to Task: Recovery-Driven Development for Recipe-Based Robot Tasks. In *International Symposium on Robotics Research (ISRR)*, pages 1–8, 2019.

B2.42. Kalesha Bullard, Yannick Schroecker, and Sonia Chernova. Active learning within constrained environments through imitation of an expert questioner. In *Proceedings of the Twenty-Eighth International Joint Conference on Artificial Intelligence*, 2019.

B2.43. N. Chatterji, C. Allen, and S. Chernova. Effectiveness of robot communication level on likeability, understandability and comfortability. In *2019 28th IEEE International Conference on Robot and Human Interactive Communication (RO-MAN)*, 2019.

B2.44. Vivian Chu, Reymundo A. Gutierrez, Sonia Chernova, and Andrea Lockerd Thomaz. Real-time Multisensory Affordance-based Control for Adaptive Object Manipulation. In *IEEE International Conference on Robotics and Automation (ICRA)*, pages 1–8, 2019.

B2.45. Angel Daruna, Weiyu Liu, Zsolt Kira, and Sonia Chernova. RoboCSE: Robot Common Sense Embedding. In *IEEE International Conference on Robotics and Automation (ICRA)*, pages 1–8, 2019.

B2.46. Lakshmi Nair, Nithin Shrivatsav, Zackory Erickson, and Sonia Chernova. Autonomous tool construction using part shape and attachment prediction. In *Robotics: Science and Systems*, 2019.

B2.47. Lakshmi Velayudhan Nair, Jonathan Balloch, and Sonia Chernova. Tool Macgyvering: Tool Construction Using Geometric Reasoning. In *IEEE International Conference on Robotics and Automation (ICRA)*, pages 1–8, 2019.

B2.48. Muhammad Rana, Anqi Li, Harish Ravichandar, Mustafa Mukadam, Sonia Chernova, Dieter Fox, Byron Boots, and Nathan Ratliff. Learning reactive motion policies in multiple task spaces from human demonstrations. In *Conference on Robot Learning (CoRL)*, 10 2019.

B2.49. Harish Ravichandar, Seyed Reza Ahmadzadeh, Muhammad Asif Rana, and Sonia Chernova. Skill Acquisition via Automated Multi-Coordinate Cost Balancing. In *IEEE International Conference on Robotics and Automation (ICRA)*, pages 1–8, 2019.

B2.50. Andrew Silva and Sonia Chernova. Unsupervised Role Discovery Using Temporal Observations of Agents. In *Autonomous Agents and Multi-Agent Systems (AAMAS)*, pages 1–8, 2019.

B2.51. S. Ye, G. Neville, M. Schrum, M. Gombolay, S. Chernova, and A. Howard. Human trust after robot mistakes: Study of the effects of different forms of robot communication. In *2019 28th IEEE International Conference on Robot and Human Interactive Communication (RO-MAN)*, 2019.

B2.52. Kalesha Bullard, Sonia Chernova, and Andrea Thomaz. Human-Driven Feature Selection for a Robot Learning Classification Tasks from Demonstration. In *IEEE International Conference on Robotics and Automation (ICRA)*, pages 1–8, 2018.

B2.53. Kalesha Bullard, Andrea Thomaz, and Sonia Chernova. Enabling a Robotic Agent with Strategies for Arbitration between Diverse Types of Active Learning Queries. In *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, pages 1–8, 2018.

B2.54. David Kent, Siddhartha Banerjee, and Sonia Chernova. Learning Sequential Decision Tasks for Robot Manipulation with Abstract Markov Decision Processes and Demonstration-Guided Exploration. In *IEEE-RAS 18th International Conference on Humanoid Robots*, pages 1–8, 2018.

B2.55. Muhammad Asif Rana, Mustafa Mukadam, S. Reza Ahmadzadeh, Sonia Chernova, and Byron Boots. Learning Generalizable Robot Skills from Demonstrations in Cluttered Environments. In *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, pages 1–8, 2018.

B2.56. Sayed Reza Ahmadzadeh, Muhammad Asif Rana, and Sonia Chernova. Generalized Cylinders for Learning, Reproduction, Generalization, and Refinement of Robot Skills. In *Robotics: Science and Systems (RSS)*, pages 1–8, 2017. ( 25% acceptance rate).

B2.57. Siddhartha Banerjee and Sonia Chernova. Temporal Models for Robot Classification of Human Interruptibility. In *International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, pages 1–8. International Foundation for Autonomous Agents and Multiagent Systems, 2017. (26% acceptance rate).

B2.58. Sonia Chernova, Vivian Chu, Angel Daruna, Haley Garrison, Meera Hahn, Priyanka Khante, Weiyu Liu, and Andrea Thomaz. Situated Bayesian Reasoning Framework for Robots Operating in Diverse Everyday Environments. In *International Symposium on Robotics Research (ISRR)*, pages 1–8, 2017.

B2.59. Zackory Erickson, Sonia Chernova, and Charles C. Kemp. Semi-Supervised Haptic Material Recognition for Robots using Generative Adversarial Networks. In *Conference on Robot Learning (CoRL)*, pages 1–8, 2017. ( 29% acceptance rate).

B2.60. David Kent, Carl Saldanha, and Sonia Chernova. A comparison of remote robot teleoperation interfaces for general object manipulation. In *ACM/IEEE International Conference on Human-Robot Interaction (HRI)*, pages 1–8. ACM/IEEE, 2017. (24% acceptance rate).

B2.61. Muhammad Asif Rana, Mustafa Mukadam, S. Reza Ahmadzadeh, Sonia Chernova, and Byron Boots. Towards Robust Skill Generalization: Unifying Learning from Demonstration and Motion Planning. In *Conference on Robot Learning (CoRL)*, pages 1–8, 2017. ( 29% acceptance rate).

B2.62. Russell Toris and Sonia Chernova. Temporal Persistence Modeling for Object Search. In *IEEE International Conference on Robotics and Automation (ICRA)*, 2017. (41% acceptance rate).

B2.63. Seyed Reza Ahmadzadeh, Roshni Kaushik, and Sonia Chernova. Trajectory Learning from Demonstration with Canal Surfaces: A Parameter-free Approach. In *IEEE-RAS International Conference on Humanoid Robots*, pages 1–8. IEEE-RAS, 2016. (65% acceptance rate).

B2.64. Kalesha Bullard, Baris Akgun, Sonia Chernova, and Andrea Lockerd Thomaz. Grounding action parameters from demonstration. In *25th IEEE International Symposium on Robot and Human Interactive Communication*, pages 1–8. IEEE, 2016. (43% acceptance rate).

B2.65. Anahita Mohseni-Kabir, Sonia Chernova, Charles Rich, and Victoria Wu. What's in a Primitive? Identifying Reusable Motion Trajectories in Narrated Demonstrations. In *25th IEEE International Symposium on Robot and Human Interactive Communication*, pages 1–8. IEEE, 2016. Best paper nomination, (43% acceptance rate).

B2.66. Halit Bener Suay, Tim Brys, Sonia Chernova, and Matthew Taylor. Learning from Demonstration for Shaping through Inverse Reinforcement Learning. In *International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, pages 1–8. International Foundation for Autonomous Agents and Multiagent Systems, 2016. (25% acceptance rate).

B2.67. Russell Toris and Sonia Chernova. Unsupervised Learning of Multi-Hypothesized Pick-and-Place Task Templates via Crowdsourcing. In *IEEE International Conference on Robotics and Automation (ICRA)*, pages 1–6, May 2015. (41% acceptance rate).

B2.68. Adrian Boteanu and Sonia Chernova. Solving and explaining analogy questions using semantic networks. In *AAAI Conference on Artificial Intelligence*, pages 1–8. AAAI, 2015. (acceptance rate (oral presentation) 11.7%).

B2.69. Tim Brys, Anna Harutyunyan, Halit Bener Suay, Sonia Chernova, Matthew Taylor, and Ann Nowé. Learning from Demonstration and Reinforcement. In *International Joint Conference on Artificial Intelligence (IJCAI)*, pages 1–7, 2015. (29% acceptance rate).

B2.70. Velin Dimitrov, Vinayak Jagtap, Jeanine Skorinko, Sonia Chernova, Michael Gennert, and Taskin Padir. Human-centered design of a cyber-physical system for advanced response to ebola (care). In *Engineering in Medicine and Biology Society (EMBC), 2015 37th Annual International Conference of the IEEE*, pages 6856–6859. IEEE, 2015. (43% acceptance rate).

B2.71. Anahita Mohseni-Kabir, Sonia Chernova, Charles Rich, Candy Sidner, and Daniel Miller. Interactive hierarchical task learning from a single demonstration. In *ACM/IEEE International Conference on Human-Robot Interaction (HRI)*, pages 1–8. ACM/IEEE, 2015. (25% acceptance rate).

B2.72. Halit Bener Suay, Sonia Chernova, Tim Brys, and Matthew Taylor. Reward shaping by demonstration. In *Second Multidisciplinary Conference on Reinforcement Learning and Decision Making*, pages 1–8, 2015.

B2.73. Russell Toris, Julius Kammerl, David V. Lu, Jihoon Lee, Odest Chadwicke Jenkins, Sarah Osentoski, Mitchell Wills, and Sonia Chernova. Robot web tools: Efficient messaging for cloud robotics. In *Intelligent Robots and Systems (IROS 2015), 2015 IEEE/RSJ International Conference on*. IEEE, 2015. (46% acceptance rate).

B2.74. Russell Toris, Craig Shue, and Sonia Chernova. Message Authentication Codes for Secure Remote Non-Native Client Connections to ROS Enabled Robots. In *IEEE International Conference on Technologies for Practical Robot Applications (TEPRA)*, April 2014.

B2.75. David Kent, Morteza Behrooz, and Sonia Chernova. Crowdsourcing the Construction of a 3D Object Recognition Database for Robotic Grasping. In *IEEE International Conference on Robotics and Automation (ICRA)*, 2014. (48% acceptance rate).

B2.76. David Kent and Sonia Chernova. Construction of an Object Manipulation Database from Grasp Demonstrations. In *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2014. (47% acceptance rate).

B2.77. Jim Mainprice, Calder Phillips-Grafflin, Halit Bener Suay, Nicholas Alunni, Daniel Lofaro, Dmitry Berenson, Sonia Chernova, Robert W Lindeman, and Paul Oh. From autonomy to cooperative traded control of humanoid manipulation tasks with unreliable communication: System design and lessons learned. In *Intelligent Robots and Systems (IROS 2014), 2014 IEEE/RSJ International Conference on*, pages 3767–3774. IEEE, 2014. (47% acceptance rate).

B2.78. Nicholas Alunni, Calder Phillips-Grafftin, Halit Bener Suay, Daniel Lofaro, Dmitry Berenson, Sonia Chernova, Robert W Lindeman, and Paul Oh. Toward a user-guided manipulation framework for high-DOF robots with limited communication. In *IEEE International Conference on Technologies for Practical Robot Applications (TePRA)*, pages 1–6. IEEE, 2013.

B2.79. Adrian Boteanu and Sonia Chernova. Modeling discussion topics in interactions with a tablet reading primer. In *Proceedings of the 2013 International Conference on Intelligent User Interfaces*, pages 75–84. ACM, 2013. (22% acceptance rate).

B2.80. Vadim Chernyak, Timothy Flynn, Jeffrey O'Rourke, Jonathan Morgan, Anton Zalutsky, Sonia Chernova, Stephen S Nestinger, and Taskin Padir. The design and realization of a high mobility biomimetic quadrupedal robot. In *IEEE/ASME International Conference on Mechatronics and Embedded Systems and Applications (MESA)*, pages 93–98. IEEE, 2012.

B2.81. Sonia Chernova, Nick DePalma, Elisabeth Morant, and Cynthia Breazeal. Crowdsourcing human-robot interaction: Application from virtual to physical worlds. In *IEEE International Symposium on Robot and Human Interactive Communication (Ro-Man)*, pages 21–26. IEEE, 2011.

B2.82. Halit Bener Suay and Sonia Chernova. A comparison of two algorithms for robot learning from demonstration. In *IEEE International Conference on Systems, Man, and Cybernetics (SMC)*, pages 2495–2500. IEEE, 2011.

B2.83. Halit Bener Suay and Sonia Chernova. Effect of human guidance and state space size on interactive reinforcement learning. In *IEEE International Symposium on Robot and Human Interactive Communication (Ro-Man)*, pages 1–6. IEEE, 2011.

B2.84. Matthew E Taylor, Halit Bener Suay, and Sonia Chernova. Integrating reinforcement learning with human demonstrations of varying ability. In *International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, pages 617–624. International Foundation for Autonomous Agents and Multiagent Systems, 2011. (22% acceptance rate).

B2.85. Matthew M Loper, Nathan P Koenig, Sonia H Chernova, Chris V Jones, and Odest C Jenkins. Mobile human-robot teaming with environmental tolerance. In *ACM/IEEE International Conference on Human Robot Interaction (HRI)*, pages 157–164. ACM, 2009. (19% acceptance rate).

B2.86. Sonia Chernova and Manuela Veloso. Learning equivalent action choices from demonstration. In *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, pages 1216–1221. IEEE, 2008.

B2.87. Sonia Chernova and Manuela Veloso. Multi-thresholded approach to demonstration selection for interactive robot learning. In *ACM/IEEE International Conference on Human-Robot Interaction (HRI)*, pages 225–232. IEEE, 2008. (35% acceptance rate).

B2.88. Sonia Chernova and Manuela Veloso. Teaching collaborative multi-robot tasks through demonstration. In *IEEE-RAS International Conference on Humanoid Robots*, pages 385–390. IEEE, 2008.

B2.89. Sonia Chernova and Manuela Veloso. Teaching multi-robot coordination using demonstration of communication and state sharing. In *International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, pages 1183–1186, 2008.

B2.90. Sonia Chernova and Manuela Veloso. Confidence-based policy learning from demonstration using gaussian mixture models. In *International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, pages 1–8. ACM, 2007. (23% acceptance rate).

B2.91. Sonia Chernova and Manuela Veloso. Multiagent collaborative task learning through imitation. In *International Symposium on Imitation in Animals and Artifacts*, pages 74–79, 2007.

B2.92. M. Veloso, N. Armstrong-Crews, S. Chernova, E. Crawford, C. McMillen, M. Roth, and D. Vail. A team of humanoid game commentators. In *IEEE-RAS International Conference on Humanoid Robots*, pages 228–233, 2006.

B2.93. Sonia Chernova, Elisabeth Crawford, and Manuela Veloso. Acquiring observation models through reverse plan monitoring. In *Portuguese Conference on Artificial Intelligence (EPIA)*, pages 410–421. Springer Berlin Heidelberg, 2005.

B2.94. Sonia Chernova and Manuela Veloso. An evolutionary approach to gait learning for four-legged robots. In *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, volume 3, pages 2562–2567, 2004. (39% acceptance rate).

B2.95. Sonia Chernova and Manuela Veloso. Learning and using models of kicking motions for legged robots. In *IEEE International Conference on Robotics and Automation (ICRA)*, volume 5, pages 4651–4655. IEEE, 2004.

### B3. Other Refereed Material

B3.1. David Kent, Siddhartha Banerjee, and Sonia Chernova. Learning real-world sequential decision tasks with abstract markov decision processes and demonstration-guided exploration. In *Robotics: Science and Systems Workshop on Learning from Demonstration for High Level Robotic Tasks (RSSWLfD18)*, pages 1–9, 2018.

B3.2. Lakshmi Nair, Jonathan Balloch, and Sonia Chernova. The macgyverbot: Tool creation by autonomous agents. *1st International Workshop on Computational Models of Affordance in Robotics*, 2018.

B3.3. Lakshmi Nair and Sonia Chernova. Action categorization for computationally improved task learning and planning. *arXiv preprint arXiv:1804.09856*, 2018.

B3.4. M Asif Rana, Daphne Chen, S Reza Ahmadzadeh, Jake Williams, Vivian Chu, and Sonia Chernova. A large-scale benchmark study investigating the impact of user experience, task complexity, and start configuration on robot skill learning. In *NeurIPS Workshop on Imitation Learning and its Challenges in Robotics*, 2018.

B3.5. M Asif Rana, Mustafa Mukadam, S Reza Ahmadzadeh, Sonia Chernova, and Byron Boots. Robot skill learning from demonstrations in cluttered environments. In *Robotics: Science and Systems (RSS 2018), Workshop on Learning and Inference in Robotics: Integrating Structure, Priors and Models*, 2018.

B3.6. Siddhartha Banerjee and Sonia Chernova. Temporal Models for Robot Classification of Human Iterruptibility. In *20th ACM Conference on Computer-Supported Cooperative Work and Social Computing, Workshop on Robots in Groups and Teams*, 2017.

B3.7. Anahita Mohseni-Kabir, Changshuo Li, Victoria Wu, Daniel Miller, Benjamin Hylak, Sonia Chernova, Dmitry Berenson, Candace Sidner, and Charles Rich. SLHAP: Simultaneous Learning of Hierarchy and Primitives. In *HRI Video Program*, 2017.

B3.8. Kalesha Bullard, Sonia Chernova, and Andrea Thomaz. Hri approach to feature selection. In *AAAI Fall Symposium on Artificial Intelligence and Human-Robot Interaction*, 2016.

B3.9. Anahita Mohseni-Kabir, Sonia Chernova, and Charles Rich. Identifying Reusable Primitives in Narrated Demonstrations. In *ACM/IEEE International Conference on Human-Robot Interaction (HRI), Late Breaking Report*, pages 1–2. ACM/IEEE, 2016.

B3.10. Nicholas Alunni, Halit Bener Suay, Calder Phillips-Grafflin, Jim Mainprice, Dmitry Berenson, Sonia Chernova, Robert W. Lindeman, Daniel Lofaro, and Paul Oh. Towards a User-Guided Manipulation Framework for High-DOF Robots. In *IEEE International Conference on Robotics and Automation, Video Track*, 2014.

B3.11. David Kent and Sonia Chernova. Construction of a 3D Object Recognition and Manipulation Database from Grasp Demonstrations . In *Robotics: Science and Systems Workshop on Human versus Robot Grasping and Manipulation*, 2014.

B3.12. Anahita Mohseni-Kabir and Sonia Chernova. Collaborative Learning of Hierarchical Task Networks from Demonstration and Instruction. In *Robotics: Science and Systems, Workshop on Human-Robot Collaboration in Manufacturing*, 2014.

B3.13. Anahita Mohseni-Kabir, Sonia Chernova, and Charles Rich. Collaborative learning of hierarchical task networks from demonstration and instruction. In *AAAI Fall Symposium on Artificial Intelligence and Human-Robot Interaction*, 2014.

B3.14. Anahita Mohseni-Kabir, Charles Rich, and Sonia Chernova. Learning partial ordering constraints from a single demonstration. In *ACM/IEEE International Conference on Human-Robot Interaction (HRI), Late Breaking Report*, pages 248–249. ACM, 2014.

B3.15. Russell Toris and Sonia Chernova. Goal-based learning from demonstration for mobile pick-and-place. In *AAAI Fall Symposium on Artificial Intelligence and Human-Robot Interaction*, 2014.

B3.16. Russell Toris and Sonia Chernova. Learning of Multi-Hypothesized Task Templates from a Corpus of Noisy Human Demonstrations. In *Robotics: Science and Systems, Workshop on Human-Robot Collaboration in Manufacturing*, 2014.

B3.17. Adrian Boteanu and Sonia Chernova. Unsupervised Rating Prediction based on Local and Global Semantic Models. In *AAAI Fall Symposium: Semantics for Big Data*, 2013.

B3.18. Christian I Penaloza, Sonia Chernova, Yasushi Mae, and Tatsuo Arai. Robot reinforcement learning using crowdsourced rewards. In *Proceedings of the IROS Workshop on Cloud Robotics*, 2013.

B3.19. Russell Toris and Sonia Chernova. RobotsFor.Me and Robots For You. In *Proceedings of the IUI Workshop on Interactive Machine Learning*, IUI '13, 2013.

B3.20. Adrian Boteanu and Sonia Chernova. Modeling Topics in User Dialog for Interactive Tablet Media. In *Proceedings of the AIIDE Workshop on Human-Computation in Interactive Digital Entertainment*, 2012.

B3.21. Malte Jung, Nick dePalma, Sonia Chernova, Pamela J. Hinds, and Cynthia Breazeal. Human-Robot Collaboration: Bids and Bytes. In *HRI Workshop on Human-Agent-Robot Teamwork*, 2012.

B3.22. Halit Bener Suay, Joseph Beck, and Sonia Chernova. Using Causal Models for Learning from Demonstration. In *AAAI Fall Symposium: Robots Learning Interactively from Human Teachers*, 2012.

B3.23. Halit Bener Suay and Sonia Chernova. Policy transformation for learning from demonstration. In *ACM/IEEE International Conference on Human-Robot Interaction (HRI), Late Breaking Report*, pages 245–246. ACM/IEEE, 2012.

B3.24. Russell Toris, Halit Bener Suay, and Sonia Chernova. A practical comparison of three robot learning from demonstration algorithms. In *ACM/IEEE International Conference on Human-Robot Interaction (HRI), Late Breaking Report*, pages 261–262. ACM, 2012.

B3.25. Nick DePalma, Sonia Chernova, and Cynthia Breazeal. Leveraging online virtual agents to crowdsource human-robot interaction. In *Proceedings of CHI Workshop on Crowdsourcing and Human Computation*, 2011.

B3.26. Halit Bener Suay and Sonia Chernova. Humanoid robot control using depth camera. In *HRI Video Program*. IEEE, 2011.

B3.27. Matthew Edmund Taylor, Halit Bener Suay, and Sonia Chernova. Using Human Demonstrations to Improve Reinforcement Learning. In *AAAI Spring Symposium: Help Me Help You: Bridging the Gaps in Human-Agent Collaboration*, 2011.

B3.28. Sonia Chernova and Cynthia Breazeal. Learning Temporal Plans from Observation of Human Collaborative Behavior. In *AAAI Spring Symposium: It's All in the Timing*, 2010.

B3.29. Sonia Chernova, Jeff Orkin, and Cynthia Breazeal. Crowdsourcing HRI through Online Multiplayer Games. In *AAAI Fall Symposium: Dialog with Robots*, 2010.

B3.30. Matthew E Taylor and Sonia Chernova. Integrating human demonstration and reinforcement learning: Initial results in human-agent transfer. In *Proceedings of the AAMAS Workshop on Agents Learning Interactively with Human Teachers*, 2010.

B3.31. Sonia Chernova and Manuela M Veloso. A Confidence-Based Approach to Multi-Robot Learning from Demonstration. In *AAAI Spring Symposium: Agents that Learn from Human Teachers*, pages 20–27, 2009.

B3.32. Nathan Koenig, S Chernova, C Jones, M Loper, and OC Jenkins. Hands-free interaction for human-robot teams. In *Proceedings of the ICRA 2008 Workshop on Social Interaction with Intelligent Indoor Robots*, pages 35–41, 2008.

B3.33. Nathan Koenig, Sonia Chernova, Chris V Jones, Matthew M Loper, and Odest C Jenkins. Hands-free human-robot interaction. In *AAAI 2008 Video Program*, 2008.

B3.34. Nathan Koenig, Sonia Chernova, Chris V Jones, Matthew M Loper, and Odest C Jenkins. Hands-free human-robot interaction. In *HRI Video Program*, 2008.

B3.35. Sonia Chernova and Manuela Veloso. Tree-based policy learning in continuous domains through teaching by demonstration. In *Proceedings of the AAAI Workshop on Modeling Others from Observations*, 2006.