

# Dylan P. Losey

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<b>Research Interests</b>	Human-robot interaction, machine learning, and control theory, with applications in personal and assistive robots.	
<b>Current Position</b>	<b>Virginia Tech</b> Assistant Professor Department of Mechanical Engineering	August 2020 – Present
<b>Education</b>	<b>Stanford University</b> Postdoctoral Scholar in Computer Science Advisor: Dorsa Sadigh	2019 – 2020
	<b>Rice University</b> Ph.D. in Mechanical Engineering M.S. in Mechanical Engineering Dissertation: <i>Responding to Physical Human-Robot Interaction</i> Advisor: Marcia K. O'Malley	2018 2016
	<b>Vanderbilt University</b> B.E. in Mechanical Engineering	2014
<b>Honors &amp; Awards</b>	National Science Foundation CAREER Award	2024
	IEEE Transactions on Haptics Best Application Paper Award	2024
	Virginia Tech Outstanding New Assistant Professor	2023
	IEEE/RSJ International Conference on Intelligent Robots and Systems Finalist, Best RoboCup Paper Award	2021
	Conference on Robot Learning Best Paper Award	2020
	Robotics: Science and Systems Finalist, Best Student Paper Award	2020
	ACM/IEEE International Conference on Human-Robot Interaction Honorable Mention, Best Paper Award	2020

Rice University Outstanding Ph.D. Thesis	2019
IEEE/ASME Transactions on Mechatronics Best Paper Award	2017
IEEE Conference on Biomedical Robotics and Biomechatronics Finalist, Best Student Paper Award	2016
National Science Foundation Graduate Research Fellowship	2014
Vanderbilt University Dynamics & Controls Award	2014
Vanderbilt University Cornelius Vanderbilt Scholarship	2010

## Teaching

<b>ME 3534: Controls Engineering I</b> Instructor, Virginia Tech	Spring 2024 – 2025
<b>ME 4524: Robotics &amp; Automation</b> <b>ME 4584: Robotics Laboratory</b> Instructor, Virginia Tech	Spring 2021, Fall 2021 – 2024
<b>ME 5704 / ECE 5704: Robotics &amp; Automation</b> Instructor, Virginia Tech	Fall 2023 – 2024
<b>ME 4824: Introduction to Human-Robot Interaction</b> Course Developer and Instructor, Virginia Tech	Spring 2022 – 2023
<b>ME 5824 / CS 5844: Algorithmic Human-Robot Interaction</b> Course Developer and Instructor, Virginia Tech	Spring 2022 – 2023
<b>Interdisciplinary Capstone</b> Advisor, Virginia Tech	2024 – 2025
<b>ME 4015 / ME 4016: Engineering Design and Project</b> Advisor, Virginia Tech	2020 - 2024

## Advising & Mentoring

<b>Current Postdoctoral Scholars</b> Heramb Nemlekar	
<b>Current Ph.D. Students</b> Shaunak Mehta, Sagar Parekh, Shahabedin Sagheb, Benjamin Christie, Yinlong Dai	
<b>Current M.S. Students</b> Maya Keely, Robert Ramirez Sanchez	
<b>Past Ph.D. Students</b> Soheil Habibian, Ananth Jonnavittula	

## Past M.S. Students

Shaunak Mehta, Joshua Hoegerman, Benjamin Christie, Ritish Shailly

## Outreach

### Women in Mechanical Engineering Tea (WeMET)

2022 – Present

I founded and sponsor this program at Virginia Tech. WeMET provides an opportunity for female graduate students across different research groups to get to know each other, socialize, discuss the highs and lows of graduate school, and foster diversity. Participants meet monthly and chat over tea.

### Women's Preview Weekend

2021 – Present

I host lab visits for this yearly event. During Women's Preview Weekend prospective students who have been offered admission to Virginia Tech visit the campus and learn about ongoing research.

### Engineering Open House

2022 – Present

I give talks on robotics and machine learning at this yearly event. Engineering Open House enables high school students and their families to learn more about engineering at Virginia Tech.

### RoboGrinder

2023 – Present

I am the faculty advisor for this Virginia Tech student team. The group of around 50 undergraduates from multiple departments designs, builds, and programs a robot for national and international competitions

## Professional Activities

### Journal Associate Editor

ACM Transactions on Human-Robot Interaction (THRI)  
IEEE Robotics and Automation Letters (RA-L)

2021 – Present  
2020 – 2023

### Conference Associate Editor

IEEE International Conference on Intelligent  
Robots and Systems (IROS)  
IEEE International Symposium on Multi-Robot  
and Multi-Agent Systems (MRS)

2021, 2022  
2021

### Workshop Organizer

ICRA: *Towards Collaborative Partners: Design, Shared Control, and Robot Learning*  
ICRA: *Communicating Robot Learning across Human-Robot Interaction*  
RSS: *Emergent Behaviors in Human-Robot Systems*

2024  
2023  
2020

### Center for Human-Computer Interaction

Member, Virginia Tech CHCI

2021 – Present

### External Reviewer

NSF Panels, Journals including The International Journal of Robotics Research, IEEE Transactions on Robotics, IEEE Robotics and Automation Letters, ACM Transactions on Human-Robot Interaction, Autonomous Robots, and IEEE/ASME Transactions on Mechatronics, Conferences including ICRA, RSS, CoRL, IROS, and HRI

## Invited Talks

### University of Utah

Robotics Seminar  
*What does it take to learn from humans?*

2025

<b>Cornell University</b> MAE Colloquium Seminar Series	2024
<b>The University of Texas at Austin</b> Oden Institute Seminar <i>Robots that Learn to Influence Humans</i>	2024
<b>Rice University</b> Mechanical Engineering Seminar	2024
<b>University of Tennessee, Knoxville</b> MABE Distinguished Seminar	2024
<b>The Boeing Company</b> Boeing Distinguished Researcher and Scholar Seminar	2023
<b>University of Waterloo</b> Mechanical Engineering Seminar	2023
<b>Vanderbilt University</b> Mechanical Engineering Seminar	2022
<b>Worcester Polytechnic Institute</b> Robotics Engineering Colloquium	2022
<b>Commonwealth Cyber Initiative</b> Integrated Security Seminar	2022
<b>University of California, Berkeley</b> CITRIS People and Robots Seminar	2022
<b>Purdue University</b> Robotics Seminar <i>Interactive, Inclusive, and Revealing Robot Learners</i>	2021
<b>University of Illinois Urbana-Champaign</b> Human-Centered Autonomy Lab	2021
<b>University of Virginia</b> ESE Colloquium	2021
<b>University of California, Berkeley</b> InterACT Lab <i>Towards Inclusive and Revealing Robot Learners</i>	2021
<b>University of California, Berkeley</b> Model Predictive Control Lab <i>Latent Roles and Strategies in Multi-Agent Interaction</i>	2020
<b>IEEE International Conference on Robotics and Automation</b> Workshop on Interactive Robot Learning <i>Personalizing Robots through Learned Latent Actions</i>	2020
<b>University of North Carolina</b>	

Computer Science Seminar <i>Personalizing Robots with Mechanics and Learning</i>	2020
<b>University of Washington</b> Mechanical Engineering Seminar	2020
<b>Boston University</b> Mechanical Engineering Seminar	2020
<b>Notre Dame</b> Aerospace and Mechanical Engineering Seminar	2020
<b>Virginia Tech</b> Mechanical Engineering Seminar	2020
<b>Colorado School of Mines</b> Mechanical Engineering Seminar	2020
<b>Stanford University</b> Robotics Seminar	2020
<b>Amazon Research Awards</b> <i>Controlling Assistive Robots with Learned Latent Actions</i>	2019
<b>Massachusetts Institute of Technology</b> Computer Science & Artificial Intelligence Lab <i>Personalizing Robots with Physics and Intelligence</i>	2019
<b>Harvard University</b> Harvard Biodesign Lab	2019
<b>Boston University</b> Center for Information & Systems Engineering Seminar	2019
<b>University of Illinois Urbana-Champaign</b> Mechanical Engineering & Computer Science Seminars <i>Responding to Physical Human-Robot Interaction</i>	2019
<b>Stanford University</b> Robotics Seminar	2019

## Journal Papers

35. Antonio Alvarez Valdivia, Benjamin A. Christie, Dylan P. Losey, and Laura H. Blumenschein, "A modular haptic display with reconfigurable signals for personalized information transfer," *IEEE Transactions on Haptics*, 2025 (in review).
34. Shaunak A. Mehta, Heramb Nemlekar, Hari Sumant, and Dylan P. Losey, "L2D2: Robot learning from 2D drawings," *Autonomous Robots*, 2025 (in review).
33. Shahabedin Sagheb and Dylan P. Losey, "Counterfactual behavior cloning: Offline imitation learning from imperfect human demonstrations," *ACM Transactions on Human-Robot Interaction*, 2025 (in review).
32. Yinlong Dai, Robert Ramirez Sanchez, Ryan Jeronimus, Shahabedin Sagheb, Cara M. Nunez, Heramb Nemlekar, and Dylan P. Losey, "CIVIL: Causal and intuitive visual imitation learning," *IEEE Transactions on Robotics*, 2025 (in review).

31. Benjamin A. Christie and Dylan P. Losey, "Safe interaction via Monte Carlo linear-quadratic games," *IEEE Robotics and Automation Letters*, 2025 (in review).
30. Shahabedin Sagheb, Sagar Parekh, Ravi Pandya, Ye-Ji Mun, Katherine Driggs-Campbell, Andrea Bajcsy, and Dylan P. Losey, "A unified framework for robots that influence humans over long-term interaction," *The International Journal of Robotics Research*, 2025 (in review).
29. Maya Keely, Brandon Franco, Casey Grothoff, Rajat Kumar Jenamani, Tapomayukh Bhattacharjee, Dylan P. Losey, and Heramb Nemlekar, "Kiri-Spoon: A kirigami utensil for robot-assisted feeding," *The International Journal of Robotics Research*, 2025 (in review).
28. Heramb Nemlekar, Robert Ramirez Sanchez, and Dylan P. Losey, "PECAN: Personalizing robot behaviors through a learned canonical space," *ACM Transactions on Human-Robot Interaction*, 2025 (in press).
27. Maya Keely, Yeunhee Kim, Shaunak A. Mehta, Joshua Hoegerman, Robert R. Sanchez, Emily Paul, Camryn Mills, Dylan P. Losey, and Michael D. Bartlett, "Combining and decoupling rigid and soft grippers to enhance robotic manipulation," *Soft Robotics*, 2025 (in press).
26. Shahabedin Sagheb, Soham Gandhi, and Dylan P. Losey, "Should collaborative robots be transparent?," *International Journal of Social Robotics*, vol. 17, 2025.
25. Shaunak A. Mehta, Yusuf Ciftci, Balamurugan Ramachandran, Somil Bansal, and Dylan P. Losey, "Stable-BC: Controlling covariate shift with stable behavior cloning," *IEEE Robotics and Automation Letters*, vol. 10, no. 2, pp. 1952-1959, 2025.
24. Ananth Jonnavittula, Sagar Parekh, and Dylan P. Losey, "VIEW: Visual imitation learning with waypoints," *Autonomous Robots*, vol. 49, no. 5, 2025.
23. Soheil Habibian, Antonio Valdivia, Laura Blumenschein, and Dylan P. Losey, "A survey of communicating robot learning during human-robot interaction," *The International Journal of Robotics Research*, 2024. **(Featured on Journal Cover)**
22. Benjamin A. Christie and Dylan P. Losey, "LIMIT: Learning interfaces to maximize information transfer," *ACM Transactions on Human-Robot Interaction*, vol. 13, no. 4, pp. 1-26, 2024.
21. Shaunak A. Mehta and Dylan P. Losey, "Unified learning from demonstrations, corrections, and preferences during physical human-robot interaction," *ACM Transactions on Human-Robot Interaction*, vol. 13, no. 3, pp. 1-25, 2024.
20. Ananth Jonnavittula, Shaunak A. Mehta, and Dylan P. Losey, "SARI: Shared autonomy across repeated interaction," *ACM Transactions on Human-Robot Interaction*, vol. 13, no. 2, pp. 1-36, 2024.
19. Ryan Wright, Sagar Parekh, Robin White, and Dylan P. Losey, "Safely and autonomously cutting meat with a collaborative robot arm," *Scientific Reports*, vol. 14, pp. 299, 2024.
18. Shaunak A. Mehta, Forrest Meng, Andrea Bajcsy, and Dylan P. Losey, "StROL: Stabilized and robust online learning from humans," *IEEE Robotics and Automation Letters*, vol. 9, no. 3, pp. 2303-2310, 2023.
17. Michael Hagenow, Emmanuel Senft, Nitzan Orr, Robert Radwin, Michael Gleicher, Bilge Mutlu, Dylan P. Losey, and Michael Zinn, "Coordinated multi-robot shared autonomy based on scheduling and demonstrations," *IEEE Robotics and Automation Letters*, vol. 8, no. 12, pp. 8335-8342, 2023.

16. Joshua Hoegerman and Dylan P. Losey, "Reward learning with intractable normalizing functions," *IEEE Robotics and Automation Letters*, vol. 8, no. 11, pp. 7511-7518, 2023.
15. Sagar Parekh, and Dylan P. Losey, "Learning latent representations to co-adapt to humans," *Autonomous Robots*, vol. 47, pp. 771-796, 2023.
14. Antonio Valdivia, Soheil Habibian, Carly Mendenhall, Francesco Fuentes, Ritish Shailly, Dylan P. Losey, and Laura Blumenschein, "Wrapping haptic displays around robot arms to communicate learning," *IEEE Transactions on Haptics*, vol. 16, no. 1, pp. 57-72, 2023. **(Best Application Paper Award)**
13. Soheil Habibian, Ananth Jonnavittula, and Dylan P. Losey, "Here's what I've learned: Asking questions that reveal reward learning," *ACM Transactions on Human-Robot Interaction*, vol. 11, no. 4, pp. 1-28, 2022.
12. Soheil Habibian and Dylan P. Losey, "Encouraging human interaction with robot teams: Legible and fair subtask allocations," *IEEE Robotics and Automation Letters*, vol. 7, no. 3, pp. 6685-6692, 2022.
11. Dylan P. Losey, Andrea Bajcsy, Marcia K. O'Malley, and Anca D. Dragan, "Physical interaction as communication: Learning robot objectives online from human corrections," *The International Journal of Robotics Research*, vol. 41, no. 1, pp. 20-44, 2022.
10. Erdem Biyik, Dylan P. Losey, Malayandi Palan, Nicholas C. Landolfi, and Dorsa Sadigh, "Learning reward functions from diverse sources of human feedback: Optimally integrating demonstrations and preferences," *The International Journal of Robotics Research*, vol. 41, no. 1, pp. 45-67, 2022.
9. Dylan P. Losey, Hong Jun Jeon, Mengxi Li, Krishnan Srinivasan, Ajay Mandlekar, Animesh Garg, Jeannette Bohg, and Dorsa Sadigh, "Learning latent actions to control assistive robots," *Autonomous Robots*, vol. 46, pp. 115-147, 2022.
8. James F. Mullen Jr, Josh Mosier, Sounak Chakrabarti, Anqi Chen, Tyler White, and Dylan P. Losey, "Communicating inferred goals with passive augmented reality and active haptic feedback," *IEEE Robotics and Automation Letters*, vol. 6, no. 4, pp. 8522-8529, 2021.
7. Dylan P. Losey and Marcia K. O'Malley, "Learning the correct robot trajectory in real-time from physical human interactions," *ACM Transactions on Human-Robot Interaction*, vol. 9, no. 1, pp. 1-19, 2019.
6. Dylan P. Losey, Laura Blumenschein, Janelle Clark, and Marcia K. O'Malley, "Improving short-term retention after robotic training by leveraging fixed-gain controllers," *Journal of Rehabilitation and Assistive Technologies Engineering*, vol. 6, pp. 1-13, 2019.
5. Dylan P. Losey and Marcia K. O'Malley, "Enabling robots to infer how end-users teach and learn through human-robot interaction," *IEEE Robotics and Automation Letters*, vol. 4, no. 2, pp. 1956-1963, 2019.
4. Dylan P. Losey and Marcia K. O'Malley, "Trajectory deformations from physical human-robot interaction," *IEEE Transactions on Robotics*, vol. 34, no. 1, pp. 126-138, 2018.
3. Dylan P. Losey, Craig G. McDonald, Edoardo Battaglia, and Marcia K. O'Malley, "A review of intent detection, arbitration, and communication aspects of shared control for physical human-robot interaction," *Applied Mechanics Reviews*, vol. 70, no. 1, 2018.

2. Dylan P. Losey, Andrew Erwin, Craig G. McDonald, Fabrizio Sergi, and Marcia K. O'Malley, "A time domain approach to control of series elastic actuators: Adaptive torque and passivity-based impedance control," *IEEE/ASME Transactions on Mechatronics*, vol. 21, no. 4, pp. 2085-2096, 2016. **(Best Paper Award)**.
1. Ali Utku Pehlivan, Dylan P. Losey, and Marcia K. O'Malley, "Minimal assist-as-needed controller for upper limb robotic rehabilitation," *IEEE Transactions on Robotics*, vol. 32, no. 1, pp. 113-124, 2016.

## Refereed Conference Proceedings

34. Sagar Parekh, Lauren Bramblett, Nicola Bezzo, and Dylan P. Losey, "Using high-level patterns to estimate how humans predict a robot will behave," *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2025 (in review).
33. Robert Ramirez Sanchez, Heramb Nemlekar, Shahabedin Sagheb, and Dylan P. Losey, "RECON: Reducing causal confusion with human-placed markers" *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2025 (in review).
32. Benjamin A. Christie, Heramb Nemlekar, and Dylan P. Losey, "Personalizing interfaces to humans with user-friendly priors," *IEEE International Conference on Robotics and Automation (ICRA)*, 2025.
31. Joshua Hoegerman, Shahabedin Sagheb, Benjamin A. Christie, and Dylan P. Losey, "Aligning learning with communication in shared autonomy," *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2024.
30. Shaunak A. Mehta, Soheil Habibian, and Dylan P. Losey, "Waypoint-based reinforcement learning for robot manipulation tasks," *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2024.
29. Maya N. Keely, Heramb Nemlekar, and Dylan P. Losey, "Kiri-Spoon: A soft shape-changing utensil for robot-assisted feeding," *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2024.
28. Shaunak A. Mehta, Yeunhee Kim, Joshua Hoegerman, Michael D. Bartlett, and Dylan P. Losey, "RISO: Combining rigid grippers with soft switchable adhesives," *IEEE International Conference on Soft Robotics (RoboSoft)*, 2023.
27. Shahabedin Sagheb, Ye-Ji Mun, Neema Ahmadian, Benjamin A. Christie, Andrea Bajcsy, Katherine Driggs-Campbell, and Dylan P. Losey, "Towards robots that influence humans over long-term interaction," *IEEE International Conference on Robotics and Automation (ICRA)*, 2023.
26. Sagar Parekh, Soheil Habibian, and Dylan P. Losey, "RILI: Robustly influencing latent intent," *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2022.
25. Antonio Alvarez Valdivia, Ritish Shailly, Naman Seth, Francesco Fuentes, Dylan P. Losey, and Laura H. Blumenschein, "Wrapped haptic display for communicating physical robot learning," *IEEE/RAS International Conference on Soft Robotics (RoboSoft)*, 2022.
24. Ehsan Yousefi, Dylan P. Losey, and Inna Sharf, "Assisting operators of articulated machinery with optimal planning and goal inference," *IEEE International Conference on Robotics and Automation (ICRA)*, 2022.
23. Shaunak A. Mehta, Sagar Parekh, and Dylan P. Losey, "Learning latent actions without human demonstrations," *IEEE International Conference on Robotics and Automation (ICRA)*, 2022.



22. Ananth Jonnavittula and Dylan P. Losey, "Communicating robot conventions through shared autonomy," *IEEE International Conference on Robotics and Automation (ICRA)*, 2022.
21. Ananth Jonnavittula and Dylan P. Losey, "Learning to share autonomy across repeated interaction," *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2021. **(Finalist, Best RoboCup Paper)**
20. Siddharth Karamcheti, Albert J. Zhai, Dylan P. Losey, and Dorsa Sadigh, "Learning visually guided latent actions for assistive teleoperation," *Learning for Dynamics & Control (LADC)*, 2021.
19. Ananth Jonnavittula and Dylan P. Losey, "I know what you meant: Learning human objectives by (under)estimating their choice set," *IEEE International Conference on Robotics and Automation (ICRA)*, 2021.
18. Mengxi Li, Alper Canberk, Dylan P. Losey, and Dorsa Sadigh, "Learning human objectives from sequences of physical corrections," *IEEE International Conference on Robotics and Automation (ICRA)*, 2021.
17. Annie Xie, Dylan P. Losey, Ryan Tolsma, Chelsea Finn, and Dorsa Sadigh, "Learning Latent Representations to Influence Multi-Agent Interaction," *Conference on Robot Learning (CoRL)*, 2020. **(Best Paper Award)**
16. Mengxi Li, Dylan P. Losey, Jeannette Bohg, and Dorsa Sadigh, "Learning user-preferred mappings for intuitive robot control," *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2020.
15. Hong Jun Jeon, Dylan P. Losey, and Dorsa Sadigh, "Shared autonomy with learned latent actions," *Robotics: Science and Systems (RSS)*, 2020. **(Finalist, Best Student Paper)**
14. Dylan P. Losey, Krishnan Srinivasan, Ajay Mandlekar, Animesh Garg, and Dorsa Sadigh, "Controlling assistive robots with learned latent actions," *IEEE International Conference on Robotics and Automation (ICRA)*, 2020.
13. Minae Kwon, Erdem Biyik, Aditi Talati, Karan Bhasin, Dylan P. Losey, and Dorsa Sadigh, "When humans aren't optimal: Robots that collaborate with risk-aware humans," *ACM/IEEE International Conference on Human-Robot Interaction (HRI)*, 2020. **(Honorable Mention, Best Paper)**
12. Dylan P. Losey, Mengxi Li, Jeannette Bohg, and Dorsa Sadigh, "Learning from my partner's actions: Roles in decentralized robot teams," *Conference on Robot Learning (CoRL)*, 2019.
11. Erdem Biyik, Malayandi Palan, Nicholas C. Landolfi, Dylan P. Losey, and Dorsa Sadigh, "Asking easy questions: A user-friendly approach to active reward learning," *Conference on Robot Learning (CoRL)*, 2019.
10. Dylan P. Losey and Dorsa Sadigh, "Robots that take advantage of human trust," *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2019.
9. Dylan P. Losey and Marcia K. O'Malley, "Including uncertainty when learning from human corrections," *Conference on Robot Learning (CoRL)*, 2018.
8. Andrea Bajcsy, Dylan P. Losey, Marcia K. O'Malley, and Anca D. Dragan, "Learning from physical human corrections, one feature at a time," *ACM/IEEE International Conference on Human-Robot Interaction (HRI)*, 2018.
7. Andrea Bajcsy, Dylan P. Losey, Marcia K. O'Malley, and Anca D. Dragan, "Learning robot objectives from physical human interaction," *Conference on Robot Learning (CoRL)*, 2017.

6. Dylan P. Losey and Marcia K. O'Malley, "Effects of discretization on the K-width of series elastic actuators," *IEEE International Conference on Robotics and Automation (ICRA)*, 2017.
5. Ali Utku Pehlivan, Dylan P. Losey, Chad G. Rose, and Marcia K. O'Malley, "Maintaining subject engagement during robotic rehabilitation with a minimal assist-as-needed (mAAN) controller," *IEEE International Conference on Rehabilitation Robotics (ICORR)*, 2017.
4. Dylan P. Losey, Laura H. Blumenschein, and Marcia K. O'Malley, "Improving the retention of motor skills after reward-based reinforcement by incorporating haptic guidance and error augmentation," *IEEE RAS/EMBS International Conference on Biomedical Robotics and Biomechatronics (BioRob)*, 2016.
3. Dylan P. Losey, Craig G. McDonald, and Marcia K. O'Malley, "A bio-inspired algorithm for identifying unknown kinematics from a discrete set of candidate models by using collision detection," *IEEE RAS/EMBS International Conference on Biomedical Robotics and Biomechatronics (BioRob)*, 2016. **(Finalist, Best Student Paper Award)**
2. Ben D. Kramer, Dylan P. Losey, and Marcia K. O'Malley, "SOM and LVQ classification of endovascular surgeons using motion-based metrics," *Workshop on Self-Organizing Maps (WSOM)*, 2016.
1. Dylan P. Losey, Peter A. York, Philip J. Swaney, Jessica Burgner, and Robert J. Webster III, "A flexure-based wrist for needle-sized surgical robots," *SPIE Medical Imaging*, 2013.