Publications Michael Novitzky

2019 (9 items)

1. Kyle Woerner, Michael R. Benjamin, , Michael Novitzky, and John J. Leonard. Quantifying protocol evaluation for autonomous collision avoidance. *Autonomous Robots*, 43(4):967–991, April 2019.
2. Michael R. Benjamin, Michael Defilippo, Paul Robinette, and Michael Novitzky. Obstacle avoidance using multi-objective optimization and a dynamic obstacle manager. *IEEE Journal of Oceanic Engineering*, April 2019.
3. Paul Robinette, Michael Novitzky, Michael R. Benjamin, Caileigh Fitzgerald, and Henrik Schmidt. Exploring human-robot trust during teaming in a real-world testbed. In *(Companion of the 2019 ACM/IEEE International Conference on Human-Robot Interaction*. ACM, March 2019.
4. Michael Novitzky, Paul Robinette, Caileigh Fitzgerald, Hugh R. R. Dougherty, Michael Benjamin, and Henrik Schmidt. Issues and mitigation strategies for deploying human-robot experiments on the water for competitive games in an academic environment. In *Proceedings of the Workshop Dangerous HRI: Testing Real-World Robots has Real-World Consequences ACM/IEEE International Conference on Human-Robot Interaction*, Daegu, South Korea, 2019. ACM/IEEE.
5. Michael Novitzky, Caileigh Fitzgerald, Paul Robinette, Michael R. Benjamin, and Henrik Schmidt. Updated: Virtual reality for immersive simulated experiments of human-robot interactions in the marine environment. In *Proceedings of the Workshop Virtual, Augmented, and Mixed Reality for Human-Robot Interaction ACM/IEEE International Conference on Human-Robot Interaction*, Daegu, South Korea, March 2019. ACM/IEEE.
6. Paul Robinette, Michael Sacarny, Michael DeFilippo, Michael Novitzky, and Michael R. Benjamin. Dealing with the novelty of robots: observations of interactions with an autonomous surface vehicle on a recreational waterway. In *Proceedings of the Workshop Dangerous HRI: Testing Real-World Robots has Real-World Consequences ACM/IEEE International Conference on Human-Robot Interaction*, Daegu, South Korea, March 2019. ACM/IEEE.
7. Paul Robinette, Michael Sacarny, Michael DeFilippo, Michael Novitzky, and Michael R. Benjamin. Sensor evaluation for autonomous surface vehicles in inland waterways. In *(In preparation) OCEANS 2019 MTS/IEEE*, June 2019.
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9. Michael Novitzky, Paul Robinette, Michael R. Benjamin, Caileigh Fitzgerald, and Henrik Schmidt. Aquaticus: Publicly available datasets from a marine human-robot teaming testbed. In *Companion of the 2019 ACM/IEEE International Conference on Human-Robot Interaction*, Daegu, South Korea, March 2019. ACM.

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10. Michael Novitzky, Paul Robinette, Michael R. Benjamin, Danielle K. Gleason, Caileigh Fitzgerald, and Henrik Schmidt. Preliminary interactions of human-robot trust, cognitive load, and robot intelligence levels in a competitive game. In *Companion of the 2018 ACM/IEEE International Conference on Human-Robot Interaction*, pages 203–204. ACM, 2018.
11. Paul Robinette, Michael Novitzky, and Michael R. Benjamin. Longitudinal interactions between human and robot teammates in a marine environment. In *In Workshop on Longitudinal Human-Robot Teaming at HRI 2018*, Chicago, IL, March 2018.
12. Michael Novitzky, Michael R. Benjamin, Paul Robinette, Hugh R Dougherty, Caileigh Fitzgerald, and Henrik Schmidt. Virtual reality for immersive simulated experiments of human-robot interactions in the marine environment. In *Workshop on Virtual, Augmented and Mixed Reality for Human-Robot Interaction at HRI 2018*, Chicago, IL, March 2018.
13. Arjun Gupta, Michael Novitzky, and Michael R. Benjamin. Learning autonomous marine behaviors in moos-ivp. In *OCEANS 2018 MTS/IEEE Charleston South Carolina*, October 2018.
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15. Paul Robinette, Michael Novitzky, and Michael R. Benjamin. Trusting a robot as a user versus as a teammate. In *Workshop on Morality and Social Trust in Autonomous Robots at RSS 2017*, Cambridge, MA, July 2017.
16. Kyle L. Woerner, Michael Novitzky, Michael R. Benjamin, and John J. Leonard. Legibility and predictability of protocol-constrained motion: Evaluating human-robot ship interactions under COLREGS collision avoidance requirements. In *In Workshop on Mathematical Models, Algorithms, and Human-Robot Interaction at RSS 2017*, Cambridge, MA, July 2017.
17. Paul Robinette, Michael Novitzky, and Michael R. Benjamin. Trusting a robot as a user versus as a teammate. In *In Workshop on Morality and Social Trust in Autonomous Robots at RSS 2017*, Cambridge, MA, July 2017.
18. Michael Novitzky, Paul Robinette, Danielle Gleason, and Michael R. Benjamin. A platform for studying human-machine teaming on the water with physiological sensors. In *In Workshop on Human-Centered Robotics: Interaction, Physiological Integration and Autonomy at RSS 2017*, Cambridge, MA, July 2017.
19. Michael Novitzky, Paul Robinette, Danielle K. Gleason, and Michael R. Benjamin. A platform for studying human-machine teaming on the water with physiological sensors. In *Workshop on Human-Centered Robotics: Interaction, Physiological Integration and Autonomy at RSS 2017*, Cambridge, MA, July 2017.

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20. Kyle L. Woerner, Michael R. Benjamin, Michael Novitzky, and John J. Leonard. Collision avoidance road test for colregs-constrained autonomous vehicles. In *OCEANS 2016*

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