

## Assignments for Meeting on Feb. 16, 2021 (1/2)

- ▶ Read Chapters 8 and 14.5 in LaValle, S. M., *Planning Algorithms*, Cambridge University Press, Cambridge, UK, 2006.
- ▶ Read the paper Khatib, O, "Real-time obstacle avoidance for manipulators and mobile robots", In: Proceedings IEEE International Conference on Robotics and Automation, Vol. 2, pp. 500–505, 1985.  
DOI: <https://doi.org/10.1109/ROBOT.1985.1087247>.
- ▶ Read the paper Rimon, E., & Koditschek, D. E., "Exact robot navigation using artificial potential functions", IEEE Transactions on Robotics and Automation, 8(5), 501–518, 1992.  
DOI: <https://doi.org/10.1109/70.163777>

## Assignments for Meeting on Feb. 16, 2021 (2/2)

- ▶ Select one of the methods from the reading material for this meeting and implement this feedback-based planning method for a system and scenario of your choice. For example, Exercises 18 and 20 in Chapter 8 in the book by LaValle could provide inspiration.
- ▶ **Next meeting: Tuesday February 16, 2021, at 15:15 in Zoom.**
- ▶ Lecture responsibility: Theodor Westny.