

Thierry Fraichard — Publications

September 22, 2023

Publication Type	Count
International Journals	21
Popular Journals	4
Book Chapters	13
Editorial Works	2
Peer-Reviewed International Conferences	83
International Conferences	17
Total	140

Table 1: Publication count by type.

Table 1 summarizes my publications by type. The results of my work have been regularly published in the main international conferences in Robotics, *e.g.* *IEEE Int. Conf. on Robotics and Automation* (ICRA) and *IEEE-RSJ Int. Conf. on Intelligent Robots and Systems* (IROS). I have also published chapters in reference book series, *e.g.* *Springer Lecture Notes in Computer Science* (LNCS) and *Springer Tracts in Advanced Robotics* (STAR), and articles in the top international journals in the Robotics field, *e.g.* *Int. Journal of Robotics Research* (IJRR), *IEEE Trans. on Robotics* (TRO), *IEEE Robotics and Automation Letters* (RA-L) and *Autonomous Robots* (AURO).

Scientific Journal Articles

- [1] Th. Fraichard and V. Levesy. “From Crowd Simulation to Robot Navigation in Crowds”. In: *IEEE Robotics and Automation Letters (RA-L)* 5.2 (Apr. 2020), pp. 729–735. DOI: 10.1109/LRA.2020.2965032. URL: <https://hal.inria.fr/hal-02461493>.
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- [3] R. Paulin, Th. Fraichard, and P. Reignier. “Using Human Attention to Address Human-Robot Motion”. In: *IEEE Robotics and Automation Letters (RA-L)* 4.2 (Apr. 2019), pp. 2038–2045. DOI: 10.1109/LRA.2019.2899429. URL: <https://hal.inria.fr/hal-02013578>.
- [4] S. Bouraine, Th. Fraichard, and O. Azouaoui. “New Path Planning Approach for Mobile Robots in Dynamic Environments”. In: *EL MIR’AT Sciences* (2017). Selected from 2016 Conf. on Computing Systems and Applications (CSA), pp. 34–38.
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- [11] R. Benenson, S. Petti, Th. Fraichard, and M. Parent. “Toward Urban Driverless Vehicles”. In: *Int. J. Vehicle Autonomous Systems* 6.1-2 (2008), pp. 4–23. DOI: 10.1504/IJVAS.2008.016486. URL: <http://hal.inria.fr/inria-00115112>.
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Popular Journal Articles

- [22] Thierry Fraichard. “Will the driver Seat Ever be Empty?” In: *ERCIM News* 109 (Apr. 2017). URL: <https://hal.inria.fr/hal-01499572>.
- [23] Th. Fraichard. “Cybercar: l’alternative à la voiture particulière”. In: *Navigation (Paris)* 53.209 (Jan. 2005). URL: <http://hal.inria.fr/inria-00001074>.
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Book Chapters

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- [39] Th. Fraichard and J. Kuffner, eds. *Special Issue: Motion Safety for Robots*. Vol. 32. Autonomous Robots 3. Apr. 2012.
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- [41] M. Ciocca, P.-B. Wieber, and Th. Fraichard. “Effect of Planning Period on MPC-based Navigation for a Biped Robot in a Crowd”. In: *IEEE-RSJ Int. Conf. on Intelligent Robots and Systems (IROS)*. Macau (CN), Nov. 2019. URL: <https://hal.inria.fr/hal-02267426>.
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