

Thierry Fraichard — Publications

April 20, 2015

Publication Type	Count
International Journals	17
Popular Journals	3
Book Chapters	13
Editorial Works	2
Peer-Reviewed International Conferences	75

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) and *Autonomous Robots* (AURO).

Scientific Journal Articles

- [1] S. Bouraine, T. Fraichard, and H. Salhi. “Provably Safe Navigation for Mobile Robots with Limited Field-of-Views in Dynamic Environments”. In: *Autonomous Robots* 32.3 (Apr. 2012), pp. 267–283. DOI: 10.1007/s10514-011-9258-8. URL: <http://hal.inria.fr/hal-00733913>.
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- [3] T. Fraichard and V. Delsart. “Navigating Dynamic Environments with Trajectory Deformation”. In: *Computing and Information Technology* 17.1 (Mar. 2009), pp. 27–36. URL: <http://hal.inria.fr/inria-00308453>.
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- [10] D. Vasquez, T. Fraichard, O. Aycard, and C. Laugier. “Intentional Motion On-Line Learning and Prediction”. In: *Machine Vision and Applications* 19.5-6 (Oct. 2008), pp. 411–425. DOI: 10.1007/s00138-007-0116-9. URL: <http://hal.inria.fr/inria-00181663>.
- [11] C. Coué, C. Pradalier, C. Laugier, T. Fraichard, and P. Bessière. “Bayesian Occupancy Filtering for Multi-Target Tracking: an Automotive Application”. In: *Int. J. Robotics Research* 25.1 (Jan. 2006), pp. 19–30. DOI: 10.1177/0278364906061158. URL: <http://hal.inria.fr/inria-00182004>.

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Popular Journal Articles

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Book Chapters

- [21] T. Fraichard and T. Howard. “Iterative Motion Planning and Safety Issue”. In: *Handbook of Intelligent Vehicles*. Ed. by A. Eskandarian. Springer, 2012, pp. 1433–1458. DOI: 10.1007/978-0-85729-085-4_55. URL: <http://hal.inria.fr/hal-00768956>.
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Editorial Works

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Peer-Reviewed Conference Articles

- [36] M. Bouguerra, T. Fraichard, and M. Fezari. “Safe Motion Using Viability Kernel”. In: *IEEE Int. Conf. on Robotics and Automation (ICRA)*. Seattle (US), May 2015. URL: <http://hal.inria.fr/hal-01143861>.
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