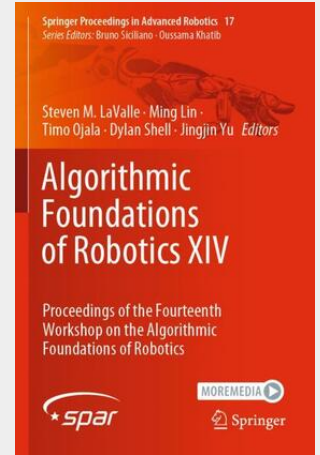


Algorithmic Foundations of Robotics XIV

Proceedings of the Fourteenth Workshop on the Algorithmic Foundations of Robotics

This proceedings book helps bring insights from this array of technical sub-topics together, as advanced robot algorithms draw on the combined expertise of many fields—including control theory, computational geometry and topology, geometrical and physical modeling, reasoning under uncertainty, probabilistic algorithms, game theory, and theoretical computer science. Intelligent robots and autonomous systems depend on algorithms that efficiently realize functionalities ranging from perception to decision making, from motion planning to control. The works collected in this SPAR book represent the state of the art in algorithmic robotics. They originate from papers accepted to the 14th International Workshop on the Algorithmic Foundations of Robotics (WAFR), traditionally a biannual, single-track meeting of leading researchers in the field of robotics. WAFR has always served as a premiere venue for the publication of some of robotics' most important, fundamental, and lasting algorithmic contributions, ensuring the rapid circulation of new ideas. Though an in-person meeting was planned for June 15–17, 2020, in Oulu, Finland, the event ended up being canceled owing to the infeasibility of international travel during the global COVID-19 crisis.

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299,59 €

279,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783030668112

Medium: Buch

ISBN: 978-3-030-66811-2

Verlag: Springer International Publishing

Erscheinungstermin: 10.02.2022

Sprache(n): Englisch

Auflage: 1. Auflage 2021

Produktform: Kartoniert

Gewicht: 873 g

Seiten: 568

Format (B x H): 155 x 235 mm

