1. **Record Nr.**   UNINA9910159461703321

   Autore   Verne Jules <1828-1905>

   Titolo   Les tribulations d'un chinois en Chine

   Pubbl/distr/stampa   Project Gutenberg

   ISBN   2-8211-0476-6

   Soggetti   FR Illustrateurs
   FR Jeunesse
   FR Littérature

   Lingua di pubblicazione   Francese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

2. **Record Nr.**   UNINA9910483694403321

   Autore   MahmoudZadeh Somaiyeh

   Titolo   Autonomy and Unmanned Vehicles : Augmented Reactive Mission and Motion Planning Architecture / / by Somaiyeh MahmoudZadeh, David M.W. Powers, Reza Bairam Zadeh

   Pubbl/distr/stampa   Singapore : , : Springer Singapore : , : Imprint : Springer, , 2019

   ISBN   981-13-2245-7

   Descrizione fisica   1 online resource (116 pages)

   Collana   Cognitive Science and Technology, , 2195-3988

   Disciplina   623.74

   Soggetti   Engineering
   Mathematical optimization
   Artificial intelligence
   Operations research
   Computer vision
   Computational Intelligence
   Optimization
   Artificial Intelligence
   Operations Research/Decision Theory
   Control, Robotics, Mechatronics
   Computer Imaging, Vision, Pattern Recognition and Graphics

   Lingua di pubblicazione   Inglese

Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction to Autonomy and Applications -- State-of-the-art in UVs' Autonomous Mission Planning and Task Managing Approach -- State-of-the-art in UVs' Autonomous Motion Planning -- Advancing Autonomy by Developing a Mission Planning Architecture -- Mission Planning in Terms of Task-Time Management and Routing -- AUV Online Real-Time Motion Planning -- Augmented Reactive Mission Planning Architecture.
Sommario/riassunto	This book addresses higher–lower level decision autonomy for autonomous vehicles, and discusses the addition of a novel architecture to cover both levels. The proposed framework's performance and stability are subsequently investigated by employing different meta-heuristic algorithms. The performance of the proposed architecture is shown to be largely independent of the algorithms employed; the use of diverse algorithms (subjected to the real-time performance of the algorithm) does not negatively affect the system's real-time performance. By analyzing the simulation results, the book demonstrates that the proposed model provides perfect mission timing and task management, while also guaranteeing secure deployment. Although mainly intended as a research work, the book's review chapters and the new approaches developed here are also suitable for use in courses for advanced undergraduate or graduate students.