

1. Record Nr.	UNINA9910564695603321
Titolo	Advances in Service and Industrial Robotics : RAAD 2022 / / edited by Andreas Müller, Mathias Brandstötter
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	3-031-04870-9
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (xvi, 615 pages) : illustrations (some color)
Collana	Mechanisms and Machine Science, , 2211-0992 ; ; 120
Disciplina	629.892
Soggetti	Robotics Human-machine systems Mechatronics Robotic Engineering Human-Machine Interfaces
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes author index
Sommario/riassunto	This book presents the proceedings of the 31st International Conference on Robotics in Alpe-Adria-Danube Region (RAAD), held in Klagenfurt, Austria, June 8-10, 2022. It gathers contributions by researchers from several countries on all major areas of robotic research, development and innovation, as well as new applications and current trends. The topics covered include: novel designs and applications of robotic systems, intelligent cooperating and service robots, advanced robot control, human-robot interfaces, robot vision systems, mobile robots, humanoid and walking robots, bio-inspired and swarm robotic systems, aerial, underwater and spatial robots, robots for ambient assisted living, medical robots and bionic prostheses, cognitive robots, cloud robotics, ethical and social issues in robotics, etc. Given its scope, the book offers a source of information and inspiration for researchers seeking to improve their work and gather new ideas for future developments. Chapter "The Use of Robots in Aquatic Biomonitoring with Special Focus on Biohybrid Entities" is available open access under a Creative Commons Attribution 4.0

