

1. Record Nr.	UNICAMPANIAVAN00274898
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Titolo	Markov Renewal and Piecewise Deterministic Processes / Christiane Cocozza-Thivent
Pubbl/distr/stampa	Cham, : Springer, 2021
Descrizione fisica	xiv, 252 p. : ill. ; 24 cm
Soggetti	60-XX - Probability theory and stochastic processes [MSC 2020] 60K15 - Markov renewal processes, semi-Markov processes [MSC 2020] 60K20 - Applications of Markov renewal processes (reliability, queueing networks, etc.) [MSC 2020]
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910299587403321
Titolo	ROBOT 2017: Third Iberian Robotics Conference : Volume 2 // edited by Anibal Ollero, Alberto Sanfeliu, Luis Montano, Nuno Lau, Carlos Cardeira
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	9783319708362 3319708368
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XXIV, 863 p. 494 illus.)
Collana	Advances in Intelligent Systems and Computing, , 2194-5365 ; ; 694
Disciplina	629.892
Soggetti	Control engineering Robotics Automation Computational intelligence Artificial intelligence Control, Robotics, Automation Computational Intelligence Artificial Intelligence

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Full production plant automation in industry using cable robotics with high load capacities and position accuracy.- Grasp Quality Measures for Transferring Objects.- Automatic Characterization of Phase Resetting Controllers for Quick Balance Recovery during Biped Locomotion.- Pose Invariant Object Recognition Using a Bag of Words Approach -- Autonomous Localization of Missing Items with Aerial Robots in an Aircraft Factory -- Autonomous landing of a multicopter on a moving platform based on vision techniques.- A lightweight navigation system for mobile robots.
Sommario/riassunto	These volumes of "Advances in Intelligent Systems and Computing" highlight papers presented at the "Third Iberian Robotics Conference (ROBOT 2017)". Held from 22 to 24 November 2017 in Seville, Spain, the conference is a part of a series of conferences co-organized by SEIDROB (Spanish Society for Research and Development in Robotics) and SPR (Portuguese Society for Robotics). The conference is focused on Robotics scientific and technological activities in the Iberian Peninsula, although open to research and delegates from other countries. Thus, it has more than 500 authors from 21 countries. The volumes present scientific advances but also robotic industrial applications, looking to promote new collaborations between industry and academia.