

1. Record Nr.	UNINA9910483507803321
Titolo	Robotics in Education : Methods and Applications for Teaching and Learning // edited by Wilfried Lepuschitz, Munir Merdan, Gottfried Koppensteiner, Richard Balogh, David Obdržálek
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-319-97085-2
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (289 pages)
Collana	Advances in Intelligent Systems and Computing, , 2194-5365 ; ; 829
Disciplina	629.892
Soggetti	Computational intelligence Automatic control Robotics Automation Artificial intelligence Computational Intelligence Control, Robotics, Automation Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This proceedings volume comprises the latest achievements in research and development in educational robotics presented at the 9th International Conference on Robotics in Education (RIE) held in Qawra, St. Paul's Bay, Malta, during April 18-20, 2018. Researchers and educators will find valuable methodologies and tools for robotics in education that encourage learning in the fields of science, technology, engineering, arts and mathematics (STEAM) through the design, creation and programming of tangible artifacts for creating personally meaningful objects and addressing real-world societal needs. This also involves the introduction of technologies ranging from robotics platforms to programming environments and languages. Extensive evaluation results are presented that highlight the impact of robotics on the students' interests and competence development. The presented

approaches cover the whole educative range from elementary school to the university level in both formal as well as informal settings.
