

1. Record Nr.	UNINA9910483775503321
Titolo	Robotics in Education : Methodologies and Technologies // edited by Wilfried Lepuschitz, Munir Merdan, Gottfried Koppensteiner, Richard Balogh, David Obdržálek
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-67411-8
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XIV, 368 p. 170 illus., 150 illus. in color.)
Collana	Advances in Intelligent Systems and Computing, , 2194-5365 ; ; 1316
Disciplina	629.892
Soggetti	Computational intelligence Technical education Robotics Computational Intelligence Engineering and Technology Education Robòtica Ensenyament Educació tecnològica Congressos Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This proceedings book comprises the latest achievements in research and development in educational robotics presented at the 11th International Conference on Robotics in Education (RiE), which was carried out as a purely virtual conference from September 30 to October 2, 2020. 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. Evaluation results prove the impact of robotics on the students' interests and competence development. The presented approaches cover the whole educative range from elementary school to university in both formal as well as informal settings.
