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Descrizione fisica	1 online resource (166 pages)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 13057
Disciplina	371.334
Soggetti	Education - Data processing Artificial intelligence Social sciences - Data processing Computer engineering Computer networks Computers and Education Artificial Intelligence Computer Application in Social and Behavioral Sciences Computer Engineering and Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Fostering Computational Thinking -- Computational Thinking in Context across Curriculum: Students' and Teacher's Perspective -- Towards Classification of Interactive Non-Programming Tasks Promoting Computational Thinking -- Tell, Draw & Code Teachers' intention to a Narrative Introduction of Computational Thinking -- Programming Education -- First Programming Course in Business Studies: Content, Approach, and Achievement -- Why young programmers should make game art: a study from a game-making course -- Teaching Recursion in High School { A Constructive Approach -- Advancing Computing Education -- A Multi-Dimensional Approach

to Categorize Short Tasks -- Girls' summer school for physical computing: methodology and acceptance issues -- Towards a compulsory computing curriculum at primary and lower-secondary schools: the case of Czechia -- Teachers' Professional Development -- Professional Development for in-service teachers of programming: Evaluation of a university level program -- Encouraging Task Creation among Programming Teachers in Primary Schools -- Problems, professional development and reflection: Experiences of High-School, Computer Science teachers in Serbia.

Sommario/riassunto

This book constitutes the proceedings of the 14th International Conference on Informatics in Schools: Situation, Evolution and Perspectives, ISSEP 2021, held in Nijmegen, The Netherlands, in November 2020. Due to COVID-19 related travelling restrictions the conference had to be switched to online format. The 12 full papers presented were carefully reviewed and selected from 29 submissions. They are organized in topical sections named: Fostering Computational Thinking, Programming Education, Advancing Computing Education, and Teachers' Professional Development.
