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Soggetti	Education - Data processing Social sciences - Data processing Application software Artificial intelligence Coding theory Information theory Computers and Education Computer Application in Social and Behavioral Sciences Computer and Information Systems Applications Artificial Intelligence Coding and Information Theory
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Nota di contenuto	Computing Education -- Approaches to Artificial Intelligence as a Subject in School Education -- ICT-Rich Programming Projects -- Mapping Computational Thinking and Programming Skills Using Technacy Theory -- Learners' and Teachers' Perspectives -- E-Exams: The Impact of Technology Problems on Student Experience -- Stereotypes of Secondary School Students Towards People in Computer Science -- Using Classroom Practice as "an Object to Think with" to Develop Pre-Service Teachers' Understandings of Computational Thinking -- An Early Exploration of Gender Imbalance in Computing --

Teacher Professional Development -- Use of Community of Practice for In-service Government Teachers in Professional Development -- Universal Design for Learning in the Indian Classroom: Supporting Struggling Learners -- The Agency of Teachers in the 21st Century – Design and Certification of Vocational E-learning -- The Industry Perspective -- IT Curricula versus Labour Market Requirements in the Area of Cloud Computing in Austria -- Meaningfulness as a Driving Force for Women in ICT – What Motivates Women in Software Industry? -- Further Aspects -- Whoever Reads the T&Cs Anyway? -- Course Space: The Observatory of Course Selection for Interdisciplinary Departments -- Text Data Analysis on Answers Written in Japanese to Free Text Questions Obtained at Astronomical Lectures.

Sommario/riassunto

This book constitutes the refereed post-conference proceedings of the IFIP TC 3 Open Conference on Computers in Education, OCCE 2020, held in Mumbai, India, in January 2020. The 11 full papers and 4 short papers included in this volume were carefully reviewed and selected from 57 submissions. The papers discuss key emerging topics and evolving practices in the area of educational computing research. They are organized in the following topical sections: computing education; learners' and teachers' perspectives; teacher professional development; the industry perspective; and further aspects.
