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Soggetti	Education - Data processing Science - Study and teaching Social sciences - Data processing Computers and civilization Microcomputers Learning, Psychology of Computers and Education Science Education Computer Application in Social and Behavioral Sciences Computers and Society Personal Computing Instructional Psychology
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	Teaching Computer Image Processing Subject to Middle School Students: Cognitive and Affective aspects -- Analyzing Conceptual Content of International Informatics Curricula for Secondary Education -- It's computational thinking! Bebras tasks in the curriculum -- Comparing the Performance of Girls and Boys in Bebras Challenge -- Attitudes towards Computer Science in Secondary Education: Evaluation of an Introductory Course -- Typifying Informatics Teachers' PCK of

Designing Digital Artefacts in Dutch Upper Secondary Education -- Students' Success in the Bebras Challenge in Lithuania: Focus on a Long-term Participation -- What Makes Situational Informatics Tasks Difficult -- A New Informatics Curriculum for Secondary Education in The Netherlands -- And Now What Do We Do with Our Schoolchildren -- Defining and Observing Modeling and Simulation in Informatics -- K-12 Computer Science Education Across the U.S -- Combining the Power of Python with the Simplicity of Logo for a Sustainable Computer Science Education -- A new interactive Computer Science textbook in Slovenia -- Computer Science in the eyes of its teachers in French-speaking Switzerland -- IT2School - Development of Teaching Materials for CS through Design Thinking -- "Why Can't I Learn Programming?" – The Learning and Teaching Environment of Programming. .

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#### Sommario/riassunto

This book constitutes the refereed proceedings of the 9th International Conference on Informatics in Schools: Situation, Evolution, and Perspectives, ISSEP 2016, held in Münster, Germany, in October 2015. The 17 full papers presented together with 1 invited talk were carefully reviewed and selected from 50 submissions. The focus of the conference was on following topics: sustainable education in informatics for pupils of all ages; connecting informatics lessons to the students' everyday lives; teacher education in informatics or computer science; and research on informatics or computer science in schools (empirical/qualitative/quantitative/theory building/research methods/comparative studies/transferability of methods and results from other disciplines).

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