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Report of a Workshop on the Pedagogical Aspects of Computational Thinking (Paperback)

By Committee for the Workshops on Computational Thinking, Computer Science and Telecommunications Board, Division on Engineering and Physical Sciences

National Academies Press, United States, 2011. Paperback. Book Condition: New. 224 x 150 mm. Language: English . Brand New Book. In 2008, the Computer and Information Science and Engineering Directorate of the National Science Foundation asked the National Research Council (NRC) to conduct two workshops to explore the nature of computational thinking and its cognitive and educational implications. The first workshop focused on the scope and nature of computational thinking and on articulating what computational thinking for everyone might mean. A report of that workshop was released in January 2010. Drawing in part on the proceedings of that workshop, Report of a Workshop of Pedagogical Aspects of Computational Thinking, summarizes the second workshop, which was held February 4-5, 2010, in Washington, D.C., and focuses on pedagogical considerations for computational thinking. This workshop was structured to gather pedagogical inputs and insights from educators who have addressed computational thinking in their work with K-12 teachers and students. It illuminates different approaches to computational thinking and explores lessons learned and best practices. Individuals with a broad range of perspectives contributed to this report. Since the workshop was not intended to result in a consensus regarding the scope and nature of computational thinking. Report...

Reviews

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