

## Special Issue

# Measuring Children's Computational Thinking Skills

### Message from the Guest Editors

Computational Thinking (CT) skills equip young learners with the cognitive foundations necessary to succeed in today's technology-driven society. The acquisition of CT skills is therefore one of the essential goals of contemporary Computer Science (CS) education. There are many CS curricula, educational software programs and other modalities designed to teach the principles of CT to children. Less attention has been paid to the assessment of CT skills in children, resulting in a relative paucity of validated instruments for measuring the impact of this aspect of CS education on preschool and elementary students. Without such instruments, educators may be hard-pressed to accurately gauge their student's progress in acquiring CT skills or measure the effectiveness of their CS lessons. The primary objective is to present an overview of current progress in developing, validating, and implementing measures of Computational Thinking for children and educators. This includes quantitative and qualitative measures of CT, instruments employing coding or "unplugged" challenges as well as standardized, telemetric and adaptive assessment formats.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 October 2024)



## Education Sciences

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From its first issue in 2011, *Education Sciences* (ISSN 2227-7102) has grown as a scholarly international open access journal. Its aim remains to publish extended full-length research papers that have the scope to substantively address current issues in education. As a member of the Committee on Publication Ethics (COPE), our goal has been to disseminate high quality research. Our publisher, MDPI, takes the responsibility to enforce a rigorous double-blind peer-review together with strict ethical policies and standards to ensure to add high quality scientific works to the field of scholarly publication.

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### Editor-in-Chief

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