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Call for Papers for a INFEDU Special Issue
Pedagogy of Teaching Computational Thinking and Programming

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Journal
Informatics in Education https://infedu.vu.lt/journal/INFEDU

Guest Editor
Prof. Dr. Yasemin GÜLBAHAR, Ankara University, Turkey

Topic
Computers became the dominant and constantly evolving technology of the century we lived in and even everyday life is unthinkable without them. They had many effects of economic, social and education that even new career opportunities are shaped according to these technologies. In parallel with the development of hardware technologies, software technologies are becoming more and more usable for the end user. As it became easier to use, the age of the users decreased, and programming began to be taught even in preschool. In the meantime, the concept of computational thinking (CT) has gradually expanded and delivered through different pedagogical approaches for different age groups. Forming the bases of coding and programming, exploring suitable pedagogical approaches for donating students with CT skills come forth. On the other hand, although pedagogy of programming has been dealt with for some 70 years for higher education, little research exists for teaching coding in the early ages or teaching programming with different tools and approaches. The scope of the paper submissions is very broad to cover many aspects of pedagogical approaches for teaching CT, programming and coding with challenges in:

- Various Age Groups (from kindergarten to high school)
- CT Aspects
- Instructional Design
- Coding and Programming Tools
- Teaching-Learning Processes
- Instructional Materials and Tasks
- Teacher Education
- Interdisciplinary Efforts (to integrate CT)

Call for Abstracts and Papers
We invite authors to submit first their abstracts and, at a later stage, their full papers on issues related to the above-mentioned topics of pedagogy of teaching programming and computational thinking. Authors can submit research studies, and systematic reviews, as well as idea papers.

Timeline

Activity	Due Date
Authors to submit their abstracts	February 20, 2020
Guest editor responses to abstracts	March 20, 2020
Authors submit their manuscripts	June 15, 2020
First round of peer review complete	August 1, 2020
Acceptance deadline	October 20, 2020
Online Publication	November 30, 2020

Submission Guidelines
Please visit instructions for authors before submitting your manuscript:
https://infedu.vu.lt/journal/INFEDU/information/instructions-for-authors

Questions?
Conduct the guest editor, Yasemin Gülbahar (gulbahar@ankara.edu.tr)