Call for Papers for a INFEDU Special Issue - 2024

How to Design or Choose Languages for Programming Novices
Dedicated to Niklaus Wirth (15.2.1934 – 1.1.2024)

Guest Editors
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Topic
This special issue will focus on articles reporting theoretical, historical, methodological, and empirical studies on teaching programming: Pascal-style languages and designing new languages for teaching programming.

Niklaus Wirth, one of the pioneers of informatics, passed away in Zurich on January 1st this year. His contributions to software engineering and especially to programming languages are fundamental, unique, amazing, and had an unmeasurable impact on computer science education worldwide. His concept of simplicity and transparency forever changed the style of programming, and converted programming from a tedious, time-consuming task to enjoyable, creative work. This opened a new dimension in education. Learning by creative work, developing one's own products, and then starting to investigate their functionality and properties in order to work on their improvements in an endless loop.

The goal of Niklaus Wirth for simplicity and clarity in programming is aimed to be the main message of this special issue for programming education. We invite contributions mainly but not exclusively for the following two tracks:

1. **Pascal-Style Programming languages**.
   These articles should highlight and summarize the merit of the design of PASCAL and related languages, explain their values in comparison with previous languages, and document their merit by some statistics or even empirical research in programming education.

2. **Designing new languages for teaching programming**
   Related research and development articles should be devoted to concepts of designing programming languages for teaching proposes. They should highlight the main criteria for choosing a language for teaching programming such as simplicity, modularity, intelligible output of debugger, good visual simulation of the run of a program with controlled step-by-step execution, or programming of machines.

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.

Timeline

Activity	Due Date
Authors submit their abstracts	February 20, 2024
Guest editors response to abstracts	March 1, 2024
Authors submit their manuscripts	April 30, 2024
First round of peer review complete	August 1, 2024
Acceptance deadline	October 25, 2024
Online publication	December 2024

Submission Guidelines

Information on how to submit abstracts (please fill in the "Comments to the editor" field with a note about this special issue):
https://infedu.vu.lt/journal/INFEDU/information/submit-your-article

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

Questions?
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We are looking forward to your contributions dedicated to the pioneering work of Niklaus Wirth!

Juraj and Dennis