

EDUCON2021 Special Session

Title

Extending Research Opportunities

Acronym

hEROs

Overview

This special session (hEROs) within the EDUCON 2021 Conference, April 2021, Vienna, Austria welcomes contributions from high school teachers and their students, from undergraduate students with their professors linking schools and universities through research. By sharing experience and opening networking opportunities, the session intends to distil best practices in teaching experiences in using coding and computing, creative problem-solving and algorithm design in all fields, from the arts and humanities, from computing and math through all the Science Technologies Engineering and Math disciplines. Collaborative projects between school and universities are also welcomed, offering bridges between undergraduate students acting as mentors for high school students and mutual mentorship opportunities between educators and students. *Contributions from teachers and undergraduate students are particularly welcomed.*

Topics

Authors are invited to submit complete papers for the hEROs special session (no abstracts needed). Contributions could include but are not limited to the following topics:

Technologies, pedagogies and content for coding and computing in STEAM

Curricula related to coding and computing for the training of undergraduate and graduate students in primary education

Pre-Service teacher training in coding and computing

Teacher professional development in coding and computing

Near mentorship programs and experiences related to coding and computing

Interdisciplinary and multidisciplinary applications of coding and computing

Design, developing and field study of learning resources and assessment activities

Use of technologies for improving the learning experience

Coding and programming context from high school to undergraduate level

Competitions aimed at promoting Coding, Computing, Computational Thinking and Algorithm

Thinking among school students at all ages

Submissions may be experience reports, or research projects, work in progress or complete studies.

Important Dates

07 Dec 2020	Complete paper upload for accepted abstracts (main conference) Submission of complete papers for Special Sessions, Work In Progress and Student Poster (no abstracts)
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13 Jan 2021	Notification of Acceptance
17 Feb 2021	Author/Early Bird registration, Camera-ready submission for all submission types
20 Apr 2021	Pre-conference Conference Opening Workshops
21 Apr 2021	Conference opening

Author Registration open 17 Feb 2021 Author/Early Bird registration,
Camera-ready submission for all submission types

Program Committee

Chair

Francesco Maiorana, University of Urbino, Italy, fmaioran@gmail.com

Members

Gregorio Robles *Universidad Rey Juan Carlos*

Jesús Moreno-León *Programamos & Universidad Rey Juan Carlos*