



# International Computer Programming Education Conference

23-24 April 2020 ESMAD, Vila do Conde | Póvoa de Varzim

## MAIN TOPICS

### Computer programming standardization

- Programming concepts and methodologies
- Programming exercises specifications
- E-learning systems, standards and interoperability
- E-learning Data analytics
- Data and graph visualization languages

### Innovative use of technologies

- Novel educational methods
- Gamification in computer programming education
- AI to drive student progress
- Game based learning
- Learning cloud services

### Computing curricula and courses

- Program visualization and animation
- Programming languages teaching methods
- Pedagogies in CS subject areas
- Social and global challenges in computing education
- Developing computing curricula, courses

### Computer programming environments, tools and services

- Learning Management Systems
- Repositories of programming exercises
- Automatic assessment
- Plagiarism tools
- Massive Open Online Courses
- Program Comprehension
- Code generation and optimization
- Algorithm simulation and visualization tools

## PUBLICATIONS

All accepted papers in CCIS series (Springer)  
Best papers in Information Journal (MDPI)



## REGISTRATION

### AUTHORS

Standard (120€) and Student (90€)

### NON-AUTHORS

Standard (60€) and Student (30€)

## IMPORTANT DATES

08 Jan. 2020 - Deadline for paper submission to the Conference  
29 Feb. 2020 - Notification of Acceptance and Early-bird Registration starts  
20 Mar. 2020 - Submission deadline for the final version of the Papers  
23 - 24 Apr. 2020 - ICPEC Conference

