



Association for
Computing Machinery

Advancing Computing as a Science & Profession

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ITiCSE 2026

Proceedings of the 31st ACM Conference on
**Innovation and Technology in Computer
Science Education V. 2**

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**Association for
Computing Machinery**

Advancing Computing as a Science & Profession

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ITiCSE 2026 Chairs' Welcome

Welcome to the 31st annual conference on Innovation and Technology in Computer Science Education (ITiCSE 2026), hosted by Universidad Rey Juan Carlos in Madrid, Spain.

ITiCSE 2026 will take place from Friday, 10 July to Wednesday, 15 July. The conference program includes plenary lectures, paper sessions, panels, tips, techniques & courseware demonstrations, posters, a doctoral consortium, and working group presentations. Working groups meet from 10 to 12 July and will submit draft reports before the conference begins on 13 July.

The program includes two keynote talks by scholars from neighbouring disciplines to help the community explore new challenges and reflect on scientific progress in the field. Our opening speaker, Lillian (Boots) Cassel, will present her views about '*Beginning, Now, Ever More Thirty Years: ITiCSE and Computing Education*'. At the end of the conference, Carlos Delgado Kloos will address the conference in a plenary session with a talk entitled '*Programming is on Fire: Can CS Education Handle the Heat?*'

Reviewing of submissions for ITiCSE 2026 involved 365 researchers and practitioners from computing education and related fields, in addition to 49 Senior Programme Committee members. Thanks to their outstanding effort and commitment, every submission received a metareview and most received at least three reviews, providing authors of all submissions with constructive feedback. Although no review process is flawless, we are confident that this effort led to a vibrant conference program, capturing multiple voices and perspectives in the field.

We received 380 full paper submissions for the conference. The programme committee worked very hard to select 104 papers to be presented at ITiCSE 2026 and published in the proceedings. The proceedings also include the opening keynote abstract, 29 tips, techniques, & courseware submissions, and abstracts for 12 working groups, 3 panels, 54 posters, and 16 doctoral consortium participants.

Making a conference like ITiCSE 2026 happen is a team effort. The conference relies on the hard work of many presenters, volunteers, and sponsors. We thank all the authors who found the time to share their work with the community. We are grateful to the members of the conference committee and the local organizing committee. Special thanks go to Universidad Rey Juan Carlos for supporting ITiCSE 2026.

We are grateful to the SIGCSE Board and the ITiCSE Steering Committee for their support and guidance. We are extremely excited to work with our sponsors and supporters: SIGCSE, ACM Europe Council, Informatics Europe, and Silver Supporters ACM2Y, ACM-W, CETINIA, and JetBrains. We thank each of them and their teams for their generous support. Finally, we thank you, the attendees of our conference, for your discussions and suggestions, and you, the readers of our proceedings, for your continuing work and interest in the field of computing education. Without you, there would be no ITiCSE!

Ángel Velázquez-Iturbide, *General Chair*
Universidad Rey Juan Carlos, Spain

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Universidad Rey Juan Carlos, Spain

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