



landscapes with, for example, “Nightless days” and “Northern lights.” The country has a high standard of living and a well-developed welfare system. Finnish society values education, equality, and environmental sustainability, and the country consistently ranks highly in global happiness and human development indices. Finland is also known for its cultural contributions, including design, music, and literature, and for its innovative technology sector, with companies such as Supercell (creator of Clash Royale), Rovio, Nokia, and Kone hailing from the country.

Turku is a city located in southwestern Finland, situated at the mouth of the Aura River where it meets the Archipelago Sea. Turku is the oldest city in Finland and was once the country's capital, nowadays with about 200,000 people. The city is well known for its historic landmarks, including Turku Castle and Turku Cathedral, and for its vibrant cultural scene, which includes museums, theaters, and festivals throughout the year. Turku is also home to several higher education institutions, including the University of Turku, which is one of the largest universities in Finland, established in 1920. Academic heritage started in Turku already in 1640, when the first university in Finland, the Royal Academy of Turku, was established. It operated from 1640 to 1828 in Turku, and was moved to Helsinki after the Great Fire of Turku.

This is the second time the ITiCSE conference is organized in Finland; the first one was the fifth ITiCSE in Helsinki (year 2000). ITiCSE2023 will be organized only with face-to-face modes (conference, doctoral consortium and working groups). Registration will open in March, and please, please book your accommodation quickly since Turku is a lively summer destination. The conference participants will get free public transport during the event, and the University of Turku is within walking distance from the city center, so access is easy from most of the hotels in Turku. Please visit <https://iticse.acm.org/2023> for updates over the coming weeks and months.

We are looking forward to seeing you in Turku in July.

CompEd 2023 Call for Papers

By Andrew Luxton-Reilly, Michelle Craig, Venkatesh Choppella, and BD Phatak

The ACM Global Computing Education Conference (CompEd) was held in Chengdu, China, almost 4 years ago. The inaugural CompEd conference in 2019 was a wonderful opportunity to learn more about the culture and environment in China, and was a fantastic experience for the many attendees who travelled from around the globe to participate in the conference. CompEd 2019 included working groups, panels, posters and of course, many excellent papers.

Planning for CompEd 2023 is well underway. CompEd 2023 will be held at IIIT Hyderabad on Dec. 7-9, 2023 with working groups taking place Dec. 5-6. CompEd will also overlap on the final day with COMPUTE, an annual computing education conference organised by ACM India and iSIGCSE which will be held on Dec. 9-11.

The website <https://comped.acm.org> is updated with further information about the CompEd 2023 conference, and the exciting opportunity to travel to India later this year. Some important deadlines are nearing. We expect submission of paper abstracts before 7 May, and full papers, panels and working group proposals submitted before the deadline of 14 May.

COMPUTE

(<https://event.india.acm.org/compute/home/>) is being organized under the aegis of iSIGCSE, the ACM India Special Interest Group on Computer Science Education. Since last year, this conference has been held as an ‘in cooperation’ event with ACM, with proceedings in the ACM Digital Library. We expect this will continue this year as well. The paper submission deadline for COMPUTE is 23rd July.

CompEd 2023 will be held at the International Institute of Information Technology

(IIIT), while COMPUTE 2023 will be held at the neighbouring University of Hyderabad (UoH).

Hyderabad, the venue for ACM CompEd and COMPUTE, is the capital city of the state of Telangana, located in south central India (also called the ‘Deccan’). Hyderabad is a modern metropolis with a rich history and many examples of its syncretic culture that one can explore through its cuisine, architecture, language, music and art. Hyderabad is also home to India’s many research laboratories and a flourishing IT and Tech industry.

There’s plenty to see and enjoy in and around Hyderabad, especially the ‘old city’ region with the Golconda Fort, Qutb Shahi Tombs and the Charminar. The old city is also famous for its bazaars showcasing pearls, metalwork, handicraft and other artisan products. Within a few hours’ drive from Hyderabad are many temples and places of interest. The famous Hampi World UNESCO Heritage site is about five and a half hours by taxi. Hyderabad is within a two-hour flight from most parts of India, including Delhi, Mumbai, Bengaluru and Chennai.

We hope to see you in Hyderabad in December!

Koli Calling 2023 Call for Papers

By Andreas Mühling and Ilkka Jormanainen

We invite you to submit a paper or poster for the 23rd Koli Calling International Conference on Computing Education Research (Koli Calling 2023) to be hosted both online, 13-14 November 2023 and in Koli, Finland, 16-19 November 2023.

The conference will consist both of an online part and a separate face-to-face part. The online part will offer room for presenting and discussing all accepted research papers and connect virtually with the community. The face-to-face part will focus specifically on offering room for sharing and discussing ideas in the welcoming atmosphere that Koli Calling is renowned for. As in previous years, there will be

a doctoral consortium before the main conference.

Koli Calling is one of the leading international conferences dedicated to the scholarship of teaching and learning and to education research in the computing disciplines. We welcome submissions in the area of computing education: the teaching and learning of computing topics. Submissions are possible either as full papers or as discussion papers (or as demo/poster). For empirical work, we encourage authors to adhere to one of the reporting standards of SIGSOFT in order to evaluate how this can positively move the reporting of research results forward in our community. Following others, we also introduce an opportunity for clarifications during the reviewing and discussion phase this year.

The next important date is the abstract deadline for full and discussion papers: Midnight Friday, June 23 (Anywhere on Earth).

For more details see the full call at: <https://www.kolicalling.fi/call-for-papers/>

Using an Intelligent Robot to Introduce Elementary School Students to Computational Thinking and Artificial Intelligence

By David S. Touretzky

In 2018 I received a SIGCSE Special Projects award to fund creation of computational thinking and artificial intelligence curriculum materials for students in grades 3-5 using my Calypso for Cozmo robot programming framework (<https://Calypso.software>) and the Cozmo robot from Anki. The work was done in collaboration with the New Brighton Area School District in New Brighton, Pennsylvania. The project succeeded, then failed, and may now be reborn again.