

Message from the Program Chairs

We are pleased to welcome you to CGO 2021, the first virtual CGO Conference. In addition, the Program Committee was virtual due to the worldwide infection rate of the coronavirus. On behalf of the Program Committee, we are pleased to present an exciting and stimulating program for the 2021 International Symposium on Code Generation and Optimization Conference.

This year the conference attracted 89 papers, 12 of which were Tools and Practical Experience papers. Based on the critical reviews of the Program Committee and subsequent online discussions, 25 high-quality research papers were accepted, with an acceptance rate of 32%, 5 Tool papers and one Practical Experience paper were accepted. The accepted papers cover a diverse range of topics with several papers having both industry and university co-authors.

The Program Committee consisted of 33 members, which included twenty-five percent women, one third industry/government members and members from ten different countries. Each paper received at least four reviews during the double-blind review process. In few cases where the PC was less confident in its expertise, the papers received additional expert reviews. Using the HotCRP software, each member received 10-12 papers to review. The next step was a rebuttal period with the authors of the papers. Discussions of the papers, reviews and rebuttals then took place online. Finally, prominent program committee members were assigned the role of moderators and helped lead the convergence with peer reviewers to consensus. The initial plan to hold a traditional face-to-face PC meeting was replaced by a virtual meeting planned across two time slots to cover all geographies; but the offline discussions among the committee members converged quickly enough without a synchronized meeting. We thank all program committee members for their comprehensive reviews and hard work leading to the selected CGO'21 program.

We also thank Michel Steuwer and Jubi Taneja who co-chaired the Artifact Evaluation Committee, for their diligent work and collaboration, addressing a record-breaking number of 23 submissions. All twelve Tool papers submitted were first evaluated by the Program Committee, based on practical criteria. The acceptance of the PC for Tool papers was conditional on successful evaluation of their artifact thereafter.

The final program includes papers that focus on traditional topics such as compiler infrastructures, binary profiling, tracing, parallelism and optimization, as well new topics such as memory safeness, compilation of graph algorithms, and compiling and synthesizing for spatial, quantum and embedded devices.

Have a great conference experience, leveraging technology and reducing carbon footprint now more than ever!

Mary Lou Soffa, University of Virginia
Ayal Zaks, Intel Corporation and Technion
CGO 2021 Program Chairs