

ISCA 2025

June 21– 25, 2025

Message from the ISCA 2025 General Co-Chairs

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Jean-Luc Gaudiot



Hironori Kasahara

Welcome to Tokyo and the 2025 International Symposium on Computer Architecture! This year, the conference will be held at Waseda University, a private university founded in 1882 by Prime Minister Shigenobu Okuma. It is home to 13 undergraduate schools and 19 graduate schools. As of 2024, it is attended by 38,987 undergraduate students and 8,499 graduate students. Its famous alums include eight prime ministers, Masaru Ibuka (Sony Founder), Tadashi Yanai (UNIQLO Founder), and many other notable graduates. This rich academic environment will provide an intellectually fertile backdrop to our meeting.

ISCA offers an extraordinary technical program this year, and we know that all attendees, including authors, academic researchers, and practitioners, will significantly benefit from it. First, we will have 20 workshops and 13 tutorials on June 21st and 22nd. At the end of the two days, in the afternoon on June 22nd, as an ISCA'25 special event, Yale Patt (University of Texas at Austin) will inspire us with an invited talk, "Solving the Sustainability Problem -- What must come first. ...and 2nd. ...and 3rd." It will then be capped by a special panel of distinguished panelists, organized and moderated by Dejan S. Milojičić (HPE) on "Sustainable Computer Architecture." The panelists will include Wen-Mei Hwu (NVIDIA), Norm Jouppi (Google), Hironori Kasahara (Waseda University), Yale Patt (University of Texas at Austin), Guri Sohi (University of Wisconsin-Madison), and Carole-Jean Wu (Meta). Over the three following days, June 23rd-25th, the main symposium will feature a strong set of papers, punctuated by a remarkable lineup of invited speakers, luminaries in our field: Satoshi Matsuoka (RIKEN, Japan) on June 23rd, Todd Austin (University of Michigan) and Fitsum Assamnew Andargie (Addis Ababa University, Ethiopia) on June 25th. We expect that all the activities on this whole program will contribute to making ISCA a continued leading influence on the computer research field.

But it won't be all work and no play: we hope that you and any companion will enjoy at least some of the social activities we have arranged for you:

- Reception: After the panel on June 22nd, Rihga Loyal Hotel Tokyo, next to the main venue,
- Family sightseeing bus tour for up to 30 people: In the afternoon of June 23rd, offered by TCVB (Tokyo Convention & Visitors Bureau),

- Excursion and Banquet: In the evening on June 24th, visit of the Chinzanso Hotel and its illuminated spectacular Japanese Gardens, and
- TCVB complimentary Tokyo sightseeing tour: on June 25th, immediately after the Closing Ceremony.

We would like to thank the PC Chair Daniel Sorin (Duke University), the PC Vice Chair Vijay Nagarajan (University of Utah), the Industry Track Chair Chris Wilkerson (Intel), as well as the entire program committee for assembling an outstanding program. We also would like to express our gratitude for the wise guidance provided by the IEEE TCCA Chair, Daniel A. Jiménez (Texas A&M University), the ACM SIGARCH Chair, Natalie Enright Jerger (University of Toronto, Canada), their whole committees, as well as the ISCA Steering Committee. We also note that many industrial sponsors (listed in these proceedings and ISCA'25 Home Page: <https://www.iscaconf.org/isca2025/> (<https://www.iscaconf.org/isca2025/>)) have generously contributed to this event. Organizing all this was a tremendous endeavor, and none of it would have been possible without the hard work of Every. Single. One. of the committee members, all of whom we would like to recognize here, in no particular order:

- Local Operation Chair & Video Chair: Keiji Kimura, Waseda University
- Finance Co-Chairs (Global): Xiaoming Li, University of Delaware
- Finance Co-Chairs (Japan): Yasutaka Wada, Meiji Gakuin University
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- Artifact Evaluation Co-Chairs: Gururaj Saileshwar, University of Toronto, Linghao Song, Yale University, and Andrés Goens, University of Amsterdam

Finally, the General Co-Chairs wish to express their sincere appreciation to the following organizations and companies, who enabled ISCA'25 to support student travel and DEI services, invite distinguished speakers and panelists, and supported social events, complementary use of the facilities:

- Technical Sponsorship: ACM SIGARCH, IEEE TCCA,
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- Co-host: Waseda University

We wish you a productive meeting and a great stay in Japan!

Jean-Luc Gaudiot (University of California, Irvine)

Hironori Kasahara (Waseda University)

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