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■ Message from the Program Chairs

Started in 1987, ECOOP is Europe's oldest programming conference, welcoming papers on all practical and theoretical investigations of programming languages, systems and environment providing innovative solutions to real problems as well as evaluations of existing solutions. Papers were submitted to one of four categories: *Research* for papers that advance the state of the art in programming; *Reproduction* for empirical evaluations that reconstructs a published experiment in a different context in order to validate the results of that earlier work; *Experience* for applications of known techniques in practice; and *Pearl* for papers that either explain a known idea in an elegant way or unconventional papers introducing ideas that may take some time to substantiate. ECOOP is a selective venue, with acceptance, by tradition, capped at 25% of all submissions and re-submissions. The chairs thank the Program Committee: B. Hermann, C. Omar, E. Söderberg, G. Agha, R. Baghdadi, S. Chiba, A. Craik, W. De Meuter, A. F. Donaldson, S. J. Gay, J. Gibbons, T. Hosking, A. Igarashi, M. Luján, A. Milanova, A. Möller, K. Ostermann, T. Petricek, A. Potanin, T. Schrijvers, M. Serrano, T. Sotiropoulos, P. Thiemann, E. Tosch, V. T. Vasconcelos, Y. Wang, S. Wehr, T. Wrigstad, and C. Zhang. This year, we continued a number of innovations that were first introduced in 2022:

- **Multiple rounds.** ECOOP has two main rounds of submissions per year (Dec 1 and Mar 1). Each round supports both minor and major revisions. Major revisions are handled in the next round (either the same year or the next) by the same reviewers.
- **No format or length restrictions.** In order to reduce friction for authors, papers can come in any format and at any length. This applies to submissions. Final versions must abide by the publisher's requirements.
- **Artifacts and Papers together.** Every submitted paper can be accompanied with an artifact, submitted a few days after the paper. Both submissions are evaluated in parallel by overlapping committees as members of the artifact evaluation committee were invited to served on the conference review committee.
- **Journal First/Last.** Papers can be submitted either one of three associated journals and be invited to present at the meeting. Furthermore, some accepted papers can be forward to journals.

Overall, we found that most of these innovations to have worked well. We hope that future chairs will continue to experiment with more, and perhaps, different innovations that will enrich the ECOOP community further.

Karim Ali

Program Committee Co-chair

University of Alberta

Guido Salvaneschi

Program Committee Co-chair

University of St. Gallen



■ Message from the Artifact Evaluation Chairs

ECOOP has a long-standing tradition of offering artifact evaluation dating back to 2013. Following the process introduced in 2022, the artifact evaluation involved every single paper submission to ECOOP 2023, rather than just accepted papers, and happened in parallel with the paper review process. Besides providing feedback on the artifacts irrespective of paper acceptance, evaluation results were made available to the technical PC. Artifact submissions could, thus, provide more insights on the technical contributions described in the papers and help to improve the overall review process.

To handle the high review load that such a process entails, we recruited a large artifact evaluation committee that included a total of 51 artifact reviewers. The submission deadlines for artifacts were just 10 days after the paper deadlines for both submission rounds. We received a total of 45 submissions (20 for R1 and 25 for R2). After a kick-the-tires review and author response phase, during which authors had the opportunity to clarify or address technical issues with their submissions, each submitted artifact was reviewed by three committee members, leading to an overall review load of around 3 artifact reviews per committee member.

Following the positive experience with adopting ACM's artifact badges for ECOOP 2021 and 2022, we adopted the same badging policies for ECOOP 2023. The artifact evaluation committee positively evaluated 38 submissions (15/23 for R1/R2) as *functional* or *reusable*, out of which 22 belong to papers to appear in the technical program of ECOOP 2023. 4 submitted artifacts that did not pass the bar for the *functional* and *reusable* badges in R1 were found eligible for the *available* badge, 2 of which are associated with papers accepted for presentation at ECOOP 2023.

In order to streamline the artifact review process and to decouple artifact from paper review aspects, we asked authors to submit documentation of explicit *claims* in a pre-specified format that the artifact evaluation committee checked the artifacts against. At the same time, the PC could assess the *importance of these claims* for the submitted papers as a frame of reference for the strength of support for the paper that an artifact can provide. This separation greatly facilitated the artifact evaluation committee's discussions regarding which badges to award.

The smooth and thorough artifact evaluation process would have not been possible without the members of the artifact evaluation committee, who handled the artifact review workload and contributed to the technical PC discussions with great dedication. We would like to thank them for their valuable work and the inspiring discussions. We would also like to thank the ECOOP 2023 program committee chairs Karim Ali and Guido Salvaneschi for the pleasant and productive interactions over the coordination of the paper and artifact review processes.

Hernán Ponce de León

Artifact Evaluation Co-chair

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■ Foreword by the President of AITO

Welcome to ECOOP 2023, which this time will be held in the “well-known European city of Seattle”. Why outside Europe? Well, ECOOP traditionally has had many contributors and participants from other parts of the world and so ECOOP every once in a while has been held outside Europe. In 1990, ECOOP was co-located with OOPSLA in Ottawa, Canada, and in 2012, ECOOP was co-located with PLDI, LCTES, and ISMM in Beijing, China. This year, we are co-locating with ISSTA at the University of Washington main campus beautifully located by Lake Washington and with splendid views of the Cascade Mountains and Mount Rainier. The ECOOP 2023 team along with the ISSTA team has done a great job of putting together a great program for the conferences – a huge thanks to them and to all others that have contributed.

I am looking forward to two excellent conferences with lots of great papers, personal interaction, excellent keynotes, including talks by the two 2023 Dahl-Nygaard Prize Winners. Enjoy the conference, and Seattle.

Eric Jul
AITO President



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