COP ’22
Proceedings of the 14th International Workshop on
Context-Oriented Programming and Advanced Modularity

Edited by:
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Message From the Chairs

Contextual information plays an ever-increasing role in our information-centric world. Current-day software systems adapt continuously to changing execution and usage contexts, even while running. Unfortunately, mainstream programming languages and development environments still do not support this kind of dynam-icity very well, leading developers to implement complex designs to anticipate various dimensions of variability.

Context-Oriented Programming directly supports variability at the programming level, depending on a wide range of dynamic attributes. It enables run-time behavior to be dispatched directly on any detected properties of the execution or user context. Since more than a decade, researchers have been working on a variety of notions approaching that idea. Implementations ranging from first prototypes to mature platform extensions used in commercial deployments have illustrated how multidimensional dispatch can be supported effectively to achieve expressive run-time variation in behavior.

This volume contains the papers presented at COP 2022: the 14th International Workshop on Context-oriented Programming held on June 7, 2022 as part of ECOOP in Berlin. Authors presented their work in 30 min talks, and everyone engaged in lively discussions that extended beyond the end of the scheduled time. There were 7 submissions. Each submission was reviewed by at least 3 program committee members. The committee decided to accept 6 papers.

Our post-workshop proceedings allowed authors to reflect on the feedback they got from the program committee and the workshop participants and improve their submission.

We would like to thank our program committee, all workshop attendees, and most importantly our authors for their contributions, constructive criticism, hard work, and willingness to share their ideas.

— Jens Lincke, Yudai Tanabe, Robert Hirschfeld, Atsushi Igarashi, and Hidehiko Masuhara
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