International Workshop on Context-Oriented Programming

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Organized by Pascal Costanza, Richard P. Gabriel,
Robert Hirschfeld and Jorge Vallejos

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INTRODUCTION

Context information plays an increasingly important role in our information centric world. Software systems must adapt to changing contexts over time, and must change even while they are running. Unfortunately, mainstream programming languages and development environments do not support this kind of dynamic change very well, leading developers to implement complex designs to anticipate various dimensions of variability.

Context-oriented Programming (COP) directly supports variability depending on a wide range of dynamic attributes, making it possible to dispatch run-time behavior on any properties of the execution context.

By now, several researchers have started to work on Context-oriented Programming and related ideas, and first implementations ranging from first prototypes to mature platform extensions used in commercial deployments have illustrated how multi-dimensional dispatch can indeed be supported effectively to achieve expressive run-time variation in behavior.

We received 11 submissions. Each paper was reviewed by 3 members of our program committee. 10 papers were selected for presentation and publication in the proceedings of the workshop.

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