Jan 22, 2025

15th International Workshop on Polyhedral Compilation Techniques

Barcelona, Spain

Program

10:00 – 11:00: Opening and Keynote

      Counting-based Loop Optimization – Philippe Clauss

11:00 – 11:30: Coffee Break

11:30 – 12:30 Session 1: Polyhedral Analysis

      Polynomial Loop Recognition in Traces - Alain Ketterlin
      Estimating the Upper Bound on Arithmetic Intensity for a Stencil Algorithm - Sergey Khilkov

13:00 – 14:00: Food!

14:00 – 15:00 Session 2: Sparse Program Optimization

      Automatic Specialization of Polyhedral Programs on Sparse Structures - Christophe Alias
      Dead Iteration Elimination - Maxime Schmitt

15:00 – 15:30 Session 3: Pannel / Discussion

Huge Thanks to IMPACT 2025 Committee and Reviewers

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Keynote

Philippe Clauss

Counting-based Loop Optimization

Philippe Clauss is a full-time professor at the University of Strasbourg, France, and leads projects for Inria CAMUS and MULTICORE. His research focuses on program compilation and optimization, utilizing both static and dynamic approaches. He develops innovative tools and mathematical methods for precise code analysis and optimization. His primary application domains are high-performance computing and multi-core parallelization.