

The Thirteenth International Workshop on Automatic Performance Tuning (iWAPT2018)

Scope

The goal of the Thirteenth International Workshop on Automatic Performance Tuning (iWAPT2018) is to bring together researchers who are investigating automated techniques for constructing and/or adapting algorithms and software for high-performance on modern complex machine architectures. We are particularly interested in autotuning and its relationship to the following topic areas, among others:

- Machine-adaptive algorithms
- Automatic program generation
- Performance analysis and modeling
- Multi- and manycore systems, heterogeneous architectures challenges
- Compilation strategies (e.g. iterative and empirical compilers)
- Programming models and runtime systems
- Power- and/or energy-aware computing
- Empirical search heuristics

General Chair

Osni Marques, LBNL, USA

General Vice-chair

Reiji Suda, The University of Tokyo, Japan

Program Chair

Jakub Kurzak, University of Tennessee, USA

Program Vice-chair

Akihiro Fujii, Kogakuin University, Japan

Program Committee

Ray-Bing Chen, National Cheng Kung University, Taiwan

I-Hsin Chung, IBM T. J. Watson Research Center, USA

Björn Franke, University of Edinburgh, UK

Takeshi Fukaya, Hokkaido University, Japan

Michael Gerndt, Technische Universitaet Muenchen, Germany

Torsten Hoefler, ETH Zurich, Switzerland

Jeremy Johnson, Drexel University, USA

Takahiro Katagiri, Nagoya University, Japan

Che-Rung Lee, National Tsing Hua University, Taiwan

Osni Marques, Lawrence Berkeley National Laboratory, USA

Daichi Mukunoki, RIKEN AICS, Japan

Boyana Norris, University of Oregon, USA

Satoshi Ohshima, Kyushu University, Japan

Louis-Noel Pouchet, Ohio State University, USA

Daisuke Takahashi, University of Tsukuba, Japan

HiroYuki Takizawa, Tohoku University, Japan

Teruo Tanaka, Kogakuin University, Japan

Richard Vuduc, Georgia Institute of Technology, USA

Weichung Wang, National Taiwan University, Taiwan

Yusaku Yamamoto, The University of Electro-Communications, Japan