

"Open Conference on Compiler Technologies"
Moscow, 2 December, 2015

08:30	Tea and coffee, conference participants registration
08:50	Welcome address d.p.m.s, prof., RAS academician, Ivannikov V.P. , ISP RAS, Russia
09:00	Grigori Fursin, Chief scientist of the non-profit cTuning Foundation, France «Collective Knowledge Project: a community-driven approach to performance Optimization»
09:40	Drozdov A.U., Vladislavlev V.E., Kuzmich S.V., «SMWare», Russia «Optimizing compiler based on UTL library and LLVM infrastructure for ARM and MIPS architectures»
10:00	Monakov A.V., ISP RAS, Russia «Offloading computations to NVIDIA accelerators in OpenMP implementation in GCC compiler»
10:20	Gimpelson V.D., Maslov M.V., Voronov N.V., Syusyukalov N.S., Rogov A.S., Kambarbaeva G.S., Eltechs, Russia «Dynamic binary translator for running Intel x86 code on ARM microprocessors»
10:40	Maksimenkov D.A., MCST, Russia «A method of code instrumentation during compilation for directed debug of optimizations»
11:00	Tea & Coffee
11:20	Botcharnikov D.N., LLC Samsung R&D Institute Rus, Russia «Approaches in optimizing V8 JavaScript engine»
11:40	Vardanyan V.G., Ivanyshyn V.A., Asryan S.A., Khachatryan A.A., Hakobyan J.A., Yerevan State University, Armenia «Dynamic compilation of JavaScript programs into static typed LLVM intermediate representation»
12:00	Chetverina O.A., MCST, Russia «Methods of correcting profile information during compilation»
12:20	Volkonskiy V.Y., Neiman-Zade M.I., Ermolitskii A.V., Markin A.L., Chetverina O.A., MCST, Russia «Aggressive function inlining for VLIW architectures»
12:40	Zhuikov R.A., Sharygin E.Y., Lomonosov Moscow State University, Russia «Methods of ahead-of-time optimization of JavaScript programs»
13:00	Gorelov M.A., MCST, Russia «Tuning of caching regimes of memory accesses by optimizing compiler»

13:20	Lunch
14:00	Palchevsky E.V., Khalikov A.R., Ufa State Aviation Technical University, Russia « Technique of code instrumentation and optimization of lines of code in modeling phase changes in C++ language »
14:20	Kurmangaleev S. F. ¹ , Nurmukhametov A.R. ¹ , Kharchenko N.A. ² 1— ISP RAS, 2—MIPT, Russia « Obfuscating compiler »
14:40	Fursova N.I., Dovgaluk P.M., Vasiliev I.A., Yaroslav-the-Wise Novgorod State University, Russia « Using ABI for virtual machine introspection »
15:00	Ermakov M.K., Lomonosov Moscow State University, Russia « Increasing efficiency of iterative dynamic analysis through static instrumentation of executable code »
15:20	Dolgorukova K.Y., ISP RAS, Russia « Development and implementation of a memory scaling method for systems of inter-module optimizations and static analysis based on LLVM »
15:40	Tea & Coffee
16:00	Borodin A.E., ISP RAS, Russia « Static analyzer Svace as a collection of analyzers of different levels of complexity »
16:20	Dergachev A.V. , Sidorin A.V., LLC Samsung R&D Institute Rus, Russia « Summary-based method of implementation of arbitrary context-sensitive checks during source code analysis through symbolic execution »
16:40	Syromyatnikov S.V., ISP RAS, Russia « Implementation of interoperation means among defect detectors in a template query language for syntax trees »
17:00	Sargsyan S.S. ¹ , Kurmangaleev Sh.F. ² 1—Yerevan State University, Armenia, 2— MIPT, Russia « Methods of searching for code clones based on semantic program analysis »
17:20	Vartanov S.P., Lomonosov Moscow State University, Russia « Instrumentation of the Dalvik virtual machine for evaluating memory accesses in Java application on the Android platform »
17:40	Kanatov A.V. , Zuev E.A., LLC Samsung R&D Institute Rus, Russia « Concept of inheritance in contemporary programming languages »
18:00	Kulagin I.I., Kurnosov M.G., SIBSUTIS, Russia « Instrumentation and optimization of execution of transactional sections in multithreaded programs »
18:20	Summary