

Preface

The PaCT 2015 (Parallel Computing Technologies) conference was a four-day conference held in Petrozavodsk (Russia). This was the 13th international conference in the PaCT series. The conferences are held in Russia every odd year. The first conference, PaCT 1991, was held in Novosibirsk (Academgorodok), September 7–11, 1991. The next PaCT conferences were held in Obninsk (near Moscow), August 30 to September 4, 1993; in St. Petersburg, September 12–15, 1995; in Yaroslavl, September, 9–12, 1997; in Pushkin (near St. Petersburg), September, 6–10, 1999; in Academgorodok (Novosibirsk), September 3–7, 2001; in Nizhni Novgorod, September, 15–19, 2003; in Krasnoyarsk, September 5–9, 2005; in Pereslavl-Zalessky, September 3–7, 2007; in Novosibirsk, August 31 – September 4, 2009; in Kazan, September 19–23, 2011, and in St. Petersburg, September 30 to October 4, 2013. Since 1995 all the PaCT proceedings are published by Springer in the LNCS series. PaCT 2015 was jointly organized by the Institute of Computational Mathematics and Mathematical Geophysics (Russian Academy of Sciences), Novosibirsk State University, Novosibirsk State Technical University, Institute of Applied Mathematical Research (Karelian Research Centre of Russian Academy of Sciences), and Petrozavodsk State University. The aim of the conference is to give an overview of new developments, applications, and trends in parallel computing technologies. We sincerely hope that the conference will help our community to deepen its understanding of parallel computing technologies by providing a forum for an exchange of views between scientists and specialists from all over the world. The conference attracted 87 participants from around the world, with authors from 13 countries submitting papers. Of these, 53 papers were selected for the conference as regular ones; there was also an invited speaker. All the papers were reviewed by at least three referees. Many thanks to our sponsors: the Ministry of Education and Science, Russian Academy of Sciences, and Russian Fund for Basic Research.

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