Lecture Notes in Computer Science 6083

Commenced Publication in 1973
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Methods and Tools of Parallel Programming Multicomputers

Second Russia-Taiwan Symposium, MTPP 2010
Vladivostok, Russia, May 16-19, 2010
Revised Selected Papers

Springer

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Library of Congress Control Number: 2010931448

CR Subject Classification (1998): C.2.4, H.4, D.2, F.2, D.4

LNCS Sublibrary: SL 2 – Programming and Software Engineering

ISSN 0302-9743
ISBN-10 3-642-14821-2 Springer Berlin Heidelberg New York
ISBN-13 978-3-642-14821-7 Springer Berlin Heidelberg New York

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Printed in Germany

Typesetting: Camera-ready by author, data conversion by Scientific Publishing Services, Chennai, India
Printed on acid-free paper 06/3180

Preface

It is our great pleasure to present the proceedings of the second Russia–Taiwan Symposium on Methods and Tools of Parallel Programming (MTPP 2010).

MTPP is the main regular event of the Russia–Taiwan scientific forum that covers the many dimensions of methods and tools of parallel programming, algorithms and architectures, encompassing fundamental theoretical approaches, practical experimental projects, and commercial components and systems. As applications of computing systems have permeated every aspect of daily life, the power of computing systems has become increasingly critical. Therefore, MTPP is intended to play an important role allowing researchers to exchange information regarding advancements in the state of the art and practice of IT-driven services and applications, as well as to identify emerging research topics and define the future directions of parallel computing.

We received a large number of high-quality submissions this year. In the first stage, all papers submitted were screened for their relevance and general submission requirements. These manuscripts then underwent a rigorous peer-review process with at least three reviewers per paper. At the end, 33 papers were accepted for presentation and included in the main proceedings. To encourage and promote the work presented at MTPP 2010, we are delighted to inform the authors that some of the papers will be accepted in special issues of the *Journal of Supercomputing*, which has played a prominent role in promoting the development and use of parallel and distributed processing.

The success of MTPP 2010 required the support of many people. First of all, we would like to thank all advisory committees, for nourishing the symposium and guiding its course. We appreciate the participation of all delegates whose speeches greatly benefited the audience. We are also indebted to the members of the Program Committee, who put in hard work and long hours to review each paper in a professional way. Thanks to them all for their valuable time and effort in reviewing the papers. Without their help, this program would not have been possible. Special thanks go to Maxim Gorodnichev and Andrey Kovtanyuk for their help with the symposium website, administrative matters and much detailed work, which facilitated the overall process. Thanks also go to the entire local Arrangements Committee for their help in making the symposium a wonderful success. We take this opportunity to thank all the authors, participants and Session Chairs for their valuable efforts, many of whom traveled long distances to attend this symposium and make their valuable contributions. Last but not least, we would like express our gratitude to all of the organizations that supported our efforts to bring the symposium to fruition. We are grateful to Springer for publishing the proceedings.

The symposium was held in the beautiful city of Vladivostok, which provided our guests with ample natural and cultural beauty to enjoy apart from the events of the symposium. This symposium owes its success to the support of many academic and

industrial organizations, and most importantly, and to all the symposium participants. We are proud to share these proceedings with you and hope you enjoy them.

May 2010

Victor Malyshkin
Ching-Hsien (Robert) Hsu
Sergey M. Abramov
Chu-Sing Yang

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