

Zhaohui Wu
Chun Chen
Minyi Guo
Jiajun Bu (Eds.)

LNC3 3605

Embedded Software and Systems

First International Conference, ICESS 2004
Hangzhou, China, December 2004
Revised Selected Papers



Springer

Zhaohui Wu Chun Chen Minyi Guo
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Volume Editors

Zhaohui Wu

Chun Chen

Jiajun Bu

Zhejiang University, College of Computer Science

Hangzhou, 310027 P.R. China

E-mail: {wzh,chenc,bjj}@cs.zju.edu.cn

Minyi Guo

The University of Aizu Tsuruga

School of Computer Science and Engineering

Ikki-machi Aizu-Wakamatsu, Fukushima 965-8580, Japan

E-mail: minyi@u-aizu.ac.jp

Library of Congress Control Number: 2005932310

CR Subject Classification (1998): C.3, C.2, C.5.3, D.2, D.4, H.4

ISSN 0302-9743

ISBN-10 3-540-28128-2 Springer Berlin Heidelberg New York

ISBN-13 978-3-540-28128-3 Springer Berlin Heidelberg New York

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Printed in Germany

Typesetting: Camera-ready by author, data conversion by Boller Mediendesign

Printed on acid-free paper SPIN: 11535409 06/3142 5 4 3 2 1 0

Commenced Publication in 1973

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Preface

Welcome to the post proceedings of the First International Conference on Embedded Software and Systems (ICESS 2004), which was held in Hangzhou, P. R. China, 9–10 December 2004.

Embedded Software and Systems technology is of increasing importance for a wide range of industrial areas, such as aerospace, automotive, telecommunication, and manufacturing automation. Embedded technology is playing an increasingly dominant role in modern society. This is a natural outcome of amazingly fast developments in the embedded field.

The ICESS 2004 conference brought together researchers and developers from academia, industry, and government to advance the science, engineering, and technology in embedded software and systems development, and provided them with a forum to present and exchange their ideas, results, work in progress, and experience in all areas of embedded systems research and development.

The ICESS 2004 conference attracted much more interest than expected. The total number of paper submissions to the main conference and its three workshops, namely, Pervasive Computing, Automobile Electronics and Tele-communication, was almost 400, from nearly 20 countries and regions. All submissions were reviewed by at least three Program or Technical Committee members or external reviewers. It was extremely difficult to make the final decision on paper acceptance because there were so many excellent, foreseeing, and interesting submissions with brilliant ideas. As a result of balancing between accepting as many papers as possible and assuring the high quality of the conference, we finally decided to select 80 papers for the post-proceeding. We firmly believe that these papers not only present great ideas, inspiring results, and state-of-the-art technologies in recent research activities, but will also propel future developments in the Embedded Software and Systems research field.

The magnificent program for this conference was the result of the hard and excellent work of many people. We would like to express our sincere gratitude to all authors for their valuable contributions and to our Program/Technical Committee members and external reviewers for their great inputs and hard work. We are particularly grateful to our workshop chairs: Xiangqun Chen, Zhanglong Chen, Yue Gao, Xiaoge Wang, Xingshe Zhou and Mingyuan Zhu for their invaluable work in organizing wonderful workshops. We would also like to express our thanks to Jiajun Bu, Tianzhou Chen, Kougen Zheng, Minde Zhao, Hui Zhu, Shuying Tian, Fengxian Li and Cheng Jin for putting everything together to create this magnificent scientific event.

June 2005

Chun Chen, Xiangke Liao
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