Departamento de Ciências de Computação - ICMC/SCC   Livros e Capítulos de Livros - ICMC/SCC

2015-06

Preface

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The 28th IEEE International Symposium on Computer-Based Medical Systems was held at the University of São Paulo, Brazil. It was the first time for CBMS to be held in South America.

Since its beginnings, CBMS has always been a truly international event, attracting contributors and attendees from all over the world. The 2015 edition was no different. We had a good response to our call for papers. Out of 150 submissions from 597 authors and 36 countries, we have selected 44 full papers, thus having 29% acceptance rate for this category. Besides, 19 (13%) short papers and 19 (13%) posters have been selected including both research and application oriented contributions. The papers were presented at 12 tracks distributed in 17 oral sessions, and two poster sections with 88 posters in display. We would like to express our gratitude to all of the authors who submitted papers to CBMS 2015. Without their hard work we would not have been able to organize such a high quality technical program.

Representatives from 31 countries participated in the organization of the symposium. We are grateful to all of them, to the area chairs and program committee members, for helping us to attract many high-level submissions from the different areas of computational medicine, for reviewing the submissions and for organizing the interesting technical sessions.

CBMS 2015 introduced a special Industrial Track, aimed at strengthening the relationship between industry and academia, motivating the community on pursuing a productive partnership between both communities. Also for the first time, CBMS hosted the Workshop for Ongoing Projects in Computer-Based Medical Systems, a forum for presentation and discussion of research still under development but with interesting results already achieved, aimed at attracting graduate students and young researchers. Finally, to increase student engagement even more, CBMS 2015 also held a mini-course on "Analysis of Shape, Texture, and Oriented Patterns in Biomedical Images" by Prof. Rangaraj M. Rangayyan.

We are greatly thankful to this year's keynote speakers:

- Sameer K. Antani – U.S National Library of medicine, National Institutes of Health
- Rangaraj M. Rangayyan – Professor at the Department of Electrical and Computer Engineering, Schulich School of Engineering (Adjunct Professor of Surgery and Radiology) – University of Calgary, Alberta, Canada
- L. Rodney Long – U.S National Library of medicine, National Institutes of Health
- Marco Antonio Gutierrez – The Hearth Institute (InCor), Clinical Hospital of the Faculty of Medicine – University of São Paulo, Brazil

We are happy to host this conference at the University of São Paulo – USP, the largest Brazilian university and an internationally recognized teaching and research institution. USP was founded in 1932, and currently has campi in eight cities in the São Paulo State. It has four hospitals providing education, clinical care and research activities that are among the best of the country. Its graduate and undergraduate courses covers virtually every knowledge area. CBMS 2015 was held in USP's campi of São Carlos and Ribeirão Preto. The campus at São Carlos has strong activities in Computer Science and in Exact Sciences in general, hosting Engineering, Physics, Chemistry, Mathematics and other schools. The campus at Ribeirão Preto targets mainly Health Sciences, with its Clinical Hospital and schools of Medicine, Nursing, Dentistry, Pharmacy and others.

We thank especially to the Institute of Mathematics and Computer Sciences at São Carlos, the Faculty of Medicine at Ribeirão Preto and their staff for helping organizing CBMS 2015. We also express our gratitude to the IEEE Computer Society for providing guidance in organizing the conference. We are grateful for your participation. We hope you enjoy the symposium and find many topics of interest to you in the technical program.

CBMS 2015 PC Chairs	Publication Chair	CBMS 2015 General Chairs
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