

4th International Conference on Computational Systems-Biology and Bioinformatics, CSBio2013

Preface: Computational Systems-Biology and Bioinformatics

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Abstract

In the era of big data challenges, as the availability of biological information becomes ever larger and more complex, more computational tools are needed to sort through the data. In particular, the fields of systems biology and bioinformatics have experienced a very rapid growth in the amount of raw genomic and post-genomic data being generated, thus enabling readily integration of different levels of data to provide better insights at the systems-level. The Fourth International Conference on Computational Systems-Biology and Bioinformatics (CSBio 2013) was organized to provide a forum for like-minded researchers and industrial counterparts to share and exchange ideas and stimulate research growth. CSBio 2013 was organized by Yonsei University and it was held on November 7-9, 2013 at Yonsei Engineering Research Park in Seoul, Republic of Korea.

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1. Introduction

This book is the proceedings of The 4th International Conference on Computational Systems-Biology and Bioinformatics (CSBio 2013). It comprises 14 accepted papers and 3 invited poster/demonstration papers from a total of 41 submissions received on the online conference submission system. Each submission was rigorously reviewed by 2-4 program committee members. All submissions, including the final camera-ready versions, were checked by VeriGuide (www.veriguide.org) for originality. The submitted papers covered 14 countries globally. In total, there were 48 authors in the final conference proceedings. Furthermore, the event was collocated with the 17th

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Asia Pacific Symposium on Intelligent and Evolutionary Systems (IES 2013). Technical highlights included shared plenary talks by David Ussery (Oak Ridge National Laboratory, USA), Kay Chen Tan (National University of Singapore, Singapore), Naftali Tishby (The Hebrew University, Israel), Bob McKay (Seoul National University, Korea) and Yew-Soon Ong (Nanyang Technological University, Singapore).

2. Organization

2.1. Organizer

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2.2. Technical co-sponsors

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