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Preface

I was invited to join the Organizing Committee of the First International Conference on Complex Sciences: Theory and Applications (Complex 2009) as its ninth member. At that moment, eight distinguished colleagues, General Co-chairs Eugene Stanley and Gaoxi Xiao, Technical Co-chairs J-nos Kertész and Bing-Hong Wang, Local Co-chairs Hengshan Wang and Hong-An Che, Publicity Team Shi Xiao and Yubo Wang, had spent hundreds of hours pushing the conference half way to its birth. Ever since then, I have been amazed to see hundreds of papers flooding in, reviewed and commented on by the TPC members. Finally, more than 200 contributions were selected for the proceedings currently in your hands. They include about 200 papers from the main conference (selected from more than 320 submissions) and about 33 papers from the five collated workshops:

- Complexity Theory of Art and Music (COART)
- Causality in Complex Systems (ComplexCCS)
- Complex Engineering Networks (ComplexEN)
- Modeling and Analysis of Human Dynamics (MANDYN)
- Social Physics and its Applications (SPA)

Complex sciences are expanding their colonies at such a dazzling speed that it becomes literally impossible for any conference to cover all the frontiers. We decided to mainly cover the following seven topics, which is already a major challenge for a conference:

- Structure and Dynamics of Complex Networks
- Complex Biological Systems
- Complex Economic Systems
- Complex Social Systems
- Complex Engineering Systems
- Complex Systems Methods
- Other Complex Systems

It is our hope that the conference can serve as a bridge for accelerating communication and cooperation between the participants. It is certainly also our hope that more researchers will respond to our invitation in future.

On behalf of all the Organizing Committee members, we thank all the TPC members and reviewers who have carefully helped review and select the contributions. We thank all the local helpers for their endless patience and priceless help. The efforts of the ICST and Springer staff are also gratefully acknowledged. Above all, we thank all the authors for submitting their research results to us. Without their support, there would be no conference.

Last but not least, I would like to take this opportunity to express my personal thanks to all the other Organizing Committee members. Team, it has been amazing and totally enjoyable to work with you.

February 2009

Jie Zhou

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