

Preface

The Sixth Workshop on Information Theoretic Methods in Science and Engineering (WITMSE 2013) was held in Tokyo, Japan on August 26-29, 2013. This workshop is originally intended to promote interdisciplinary research for modeling in a variety of areas in science and engineering through information and coding theory. Since the beginning, it has been organized by inviting distinguished scholars as speakers in order to ensure the highest possible quality and fruitful discussion.

This year we had one keynote talk, three plenary talks, and 27 invited talks. A keynote speaker was Jorma Rissanen (Helsinki Institute for Information Technology HIIT) while Teemu Roos (University of Helsinki) gave a talk in place of Prof. Rissanen. Three plenary speakers were: Nicolò Cesa-Bianchi (The University of Milan), Aapo Hyvärinen (University of Helsinki), and Toshiyuki Tanaka (Kyoto University). All of the invited talks were concerned with latest results on theory or applications of most advanced information-theoretic methodologies. The presentations and discussions were exciting and suggestive for big future possibilities and potentials of the information-theoretic methods.

We would like to thank all the participants for their contributions to this event. We also thank the sponsor of this event, Aihara FIRST project. We hope that the extended abstracts that were submitted by many and that are collected in these proceedings will help make the ideas discussed at this workshop more easily accessible in the future.

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