

Editorial Foreword

This volume of *Interdisciplinary Mathematical Sciences* collects invited contributions giving timely surveys on a diverse range of topics on stochastic dynamics and stochastic analysis. This includes dynamics under random boundary conditions, decoherent information analysis, stabilization by noise, stochastic parameterization, white noise theory, self-similar processes and colored noise, non-Gaussian noise, stochastic evolutionary equations, infinite dimensional rotation group and Lie algebra, Weyl processes, random fields, Malliavin calculus, and stochastic integral.

The ordering of the chapters follows the alphabetic order of the last names of the first authors of the contributions.

We are grateful to all the authors for their contributions to this volume. We thank Dr. Chujin Li, Huazhong University of Science and Technology, Wuhan, China, for technical support. We would also like to thank Rok Ting Tan and Rajesh Babu at World Scientific Publishing, for their professional editorial assistance.

We are privileged and honored to dedicate this volume to Professor Zhi-Yuan Huang, on the occasion of his 75th birthday, in celebration of his achievements in mathematical sciences.

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September 1, 2009