

PREFACE

This volume constitutes the proceedings of the 29th Conference on Quantum Probability and Related Topics held in Hammamet, Tunisia, October 13-18, 2008. This was the first time this important international event took place in the Africa. This Proceedings volume contains twenty refereed research articles. Almost 120 mathematicians and physical mathematicians participated in this conference from all over the world. This volume will be of interest to professional researchers and graduate students who will gain a perspective on current activity and background in the topics covered.

The goal of the conference was to communicate new results in the fields of quantum probability and infinite dimensional analysis, to bring together scientists with different backgrounds who work in related fields, and to stimulate new collaborations. The fact that contributions to this volume range from quantum probability, white noise and stochastic analysis, orthogonal polynomials and interacting Fock spaces, free probability and random matrices, quantum information, quantum statistics, control and filtering, Lévy processes, mathematical models in biology and foundation of quantum mechanics shows that research in quantum probability is very active and strongly involved in modern mathematical developments and applications.

The organizers of the conference were extremely happy to see many eminent mathematicians having contributed to the success of the conference and cultivated new ideas. We would like to thank all participants for their hard work and for helping to create a very stimulating atmosphere. To our great pleasure, important papers presented at the conference are published in this volume. As such, we are grateful to the respective authors and to the anonymous referees for their efficient help in evaluating each paper in this collection. We also express our deep appreciation to World Scientific Publishing, in particular to Ms E. H. Chionh as their acting representative for a remarkably pleasant cooperation.

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Finally we hope that this conference has contributed not only to promote scientific activities but also to mutual international understanding.

The editors:

Abdessatar Barhoumi
(*Sousse University, Tunisia*)

Hammamet, Tunisia
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Habib Ouerdiane
(*Tunis El-Manar University, Tunisia*)