

Preface

These proceedings contain the papers presented at ANTS 2016, the 10th International Conference on Swarm Intelligence, held at IRIDIA, Université Libre de Bruxelles, Brussels, Belgium, during September 7–9, 2016. The ANTS series started in 1998 with the First International Workshop on Ant Colony Optimization (ANTS 1998). Since then ANTS, which is held bi-annually, has gradually become an international forum for researchers in the wider field of swarm intelligence. In 2004, this development was acknowledged by the inclusion of the term “Swarm Intelligence” (next to “Ant Colony Optimization”) in the conference title. Since 2010, the ANTS conference has been officially devoted to the field of swarm intelligence as a whole, without any bias toward specific research directions. This is reflected in the title of the conference: “International Conference on Swarm Intelligence.”

This volume contains the best papers selected out of 47 submissions. Of these, 18 were accepted as full-length papers, while seven were accepted as short papers. This corresponds to an overall acceptance rate of 53%. Also included in this volume are eight extended abstracts.

All the contributions were presented as posters. The full-length papers were also presented orally in a plenary session. Extended versions of the best papers presented at the conference will be published in a special issue of the *Swarm Intelligence* journal.

We take this opportunity to thank the large number of people that were involved in making this conference a success. We express our gratitude to the authors who contributed their work, to the members of the international Program Committee, to the additional referees for their qualified and detailed reviews, and to the staff at IRIDIA for helping with organizational matters.

We hope the reader will find this volume useful both as a reference to current research in swarm intelligence and as a starting point for future work.

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