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# Swarm Intelligence

10th International Conference, ANTS 2016  
Brussels, Belgium, September 7–9, 2016  
Proceedings

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# 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.

July 2016

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Mauro Birattari  
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# Contents

## Full Papers

A Bearing-Only Pattern Formation Algorithm for Swarm Robotics . . . . .	3
<i>Nicholi Shiell and Andrew Vardy</i>	
A Macroscopic Privacy Model for Heterogeneous Robot Swarms . . . . .	15
<i>Amanda Prorok and Vijay Kumar</i>	
A New Continuous Model for Segregation Implemented and Analyzed on Swarm Robots . . . . .	28
<i>Benjamin Reh, Felix Aller, and Katja Mombaur</i>	
A Study of Archiving Strategies in Multi-objective PSO for Molecular Docking. . . . .	40
<i>José García-Nieto, Esteban López-Camacho, María Jesús García Godoy, Antonio J. Nebro, Juan J. Durillo, and José F. Aldana-Montes</i>	
Ant Colony Optimisation-Based Classification Using Two-Dimensional Polygons. . . . .	53
<i>Morten Goodwin and Anis Yazidi</i>	
Collective Perception of Environmental Features in a Robot Swarm . . . . .	65
<i>Gabriele Valentini, Davide Brambilla, Heiko Hamann, and Marco Dorigo</i>	
Communication Diversity in Particle Swarm Optimizers. . . . .	77
<i>Marcos Oliveira, Diego Pinheiro, Bruno Andrade, Carmelo Bastos-Filho, and Ronaldo Menezes</i>	
Continuous Time Gathering of Agents with Limited Visibility and Bearing-only Sensing. . . . .	89
<i>Levi Itzhak Bellaiche and Alfred Bruckstein</i>	
Design and Analysis of Proximate Mechanisms for Cooperative Transport in Real Robots . . . . .	101
<i>Muhanad H. Mohammed Alkilabi, Aparajit Narayan, and Elio Tuci</i>	
Dynamic Task Partitioning for Foraging Robot Swarms. . . . .	113
<i>Edgar Buchanan, Andrew Pomfret, and Jon Timmis</i>	
Human-Robot Swarm Interaction with Limited Situational Awareness . . . . .	125
<i>Gabriel Kapellmann-Zafra, Nicole Salomons, Andreas Kolling, and Roderich Groß</i>	

Monotonicity in Ant Colony Classification Algorithms . . . . .	137
<i>James Brookhouse and Fernando E.B. Otero</i>	
Observing the Effects of Overdesign in the Automatic Design of Control Software for Robot Swarms . . . . .	149
<i>Mauro Birattari, Brian Delhaisse, Gianpiero Francesca, and Yvon Kerdoncuff</i>	
Parameter Selection in Particle Swarm Optimisation from Stochastic Stability Analysis . . . . .	161
<i>Adam Erskine, Thomas Joyce, and J. Michael Herrmann</i>	
Population Coding: A New Design Paradigm for Embodied Distributed Systems. . . . .	173
<i>Heiko Hamann, Gabriele Valentini, and Marco Dorigo</i>	
Random Walks in Swarm Robotics: An Experiment with Kilobots . . . . .	185
<i>Cristina Dimidov, Giuseppe Oriolo, and Vito Trianni</i>	
Synthesizing Rulesets for Programmable Robotic Self-assembly: A Case Study Using Floating Miniaturized Robots . . . . .	197
<i>Bahar Haghighat, Brice Platerrier, Loic Waegeli, and Alcherio Martinoli</i>	
Using Ant Colony Optimization to Build Cluster-Based Classification Systems . . . . .	210
<i>Khalid M. Salama and Ashraf M. Abdelbar</i>	
<b>Short Papers</b>	
A Swarm Intelligence Approach in Undersampling Majority Class . . . . .	225
<i>Haya Abdullah Alhakhbani and Mohammad Majid al-Rifaie</i>	
Optimizing PolyACO Training with GPU-Based Parallelization . . . . .	233
<i>Torry Tufteland, Guro Ødesneltvedt, and Morten Goodwin</i>	
Motion Reconstruction of Swarm-Like Self-organized Motor Bike Traffic from Public Videos . . . . .	241
<i>Benjamin Reh and Katja Mombaur</i>	
On Heterogeneity in Foraging by Ant-Like Colony: How Local Affects Global and Vice Versa. . . . .	249
<i>Yuichiro Sueoka, Kazuki Nakayama, Masato Ishikawa, Yasuhiro Sugimoto, and Koichi Osuka</i>	
On Stochastic Broadcast Control of Swarms. . . . .	257
<i>Ilana Segall and Alfred Bruckstein</i>	

Route Assignment for Autonomous Vehicles . . . . .	265
<i>Nick Moran and Jordan Pollack</i>	
Stealing Items More Efficiently with Ants: A Swarm Intelligence Approach to the Travelling Thief Problem . . . . .	273
<i>Markus Wagner</i>	
<b>Extended Abstracts</b>	
Achieving Synchronisation in Swarm Robotics: Applying Networked Q-Learning to Production Line Automata . . . . .	285
<i>Christopher Deeks</i>	
Autonomous Task Allocation for Swarm Robotic Systems Using Hierarchical Strategy . . . . .	287
<i>Yufei Wei, Toshiyuki Yasuda, and Kazuhiro Ohkura</i>	
Avoidance Strategies for Particle Swarm Optimisation in Power Generation Scheduling . . . . .	289
<i>Karl Mason, Jim Duggan, and Enda Howley</i>	
Clustering with the ACO <sub>R</sub> Algorithm . . . . .	291
<i>Ashraf M. Abdelbar and Khalid M. Salama</i>	
Consideration Regarding the Reduction of Reality Gap in Evolutionary Swarm Robotics . . . . .	294
<i>Toshiyuki Yasuda, Motoaki Hiraga, Akitoshi Adachi, and Kazuhiro Ohkura</i>	
Hybrid Deployment Algorithm of Swarm Robots for Wireless Mesh Network . . . . .	296
<i>Kiyohiko Hattori, Naoki Tatebe, Toshinori Kagawa, Yasunori Owada, and Kiyoshi Hamaguchi</i>	
On the Definition of Self-organizing Systems: Relevance of Positive/Negative Feedback and Fluctuations . . . . .	298
<i>Yara Khaluf and Heiko Hamann</i>	
Particle Swarm Optimisation with Diversity Influenced Gradually Increasing Neighbourhoods . . . . .	300
<i>Karl Mason, Cairiona Kellehan, Jim Duggan, and Enda Howley</i>	
<b>Author Index</b> . . . . .	303