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Artificial Evolution

9th International Conference
Evolution Artificielle, EA 2009
Strasbourg, France, October 26-28, 2009
Revised Selected Papers

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Preface

This LNCS volume contains the best papers presented at the 9th Conference on Artificial Evolution, EA¹2009, held in Strasbourg (France). Previous EA events took place in Tours (2007, LNCS 4926), Lille (2005, LNCS 3871), Marseille (2003, LNCS 2936), Le Creusot (2001, LNCS 2310), Dunkerque (1999, LNCS 1829), Nimes (1997, LNCS 1363), Brest (1995, LNCS 1063) and Toulouse (1994, LNCS 1063).

For this ninth edition, authors were invited to present their original work relevant to artificial evolution, including, but not limited to: evolutionary computation, evolutionary optimization, co-evolution, artificial life, population dynamics, theory, algorithmics and modeling, implementations, application of evolutionary paradigms to the real world (industry, biosciences, ...), other biologically-inspired paradigms (swarm, artificial ants, artificial immune systems, ...), memetic algorithms, multi-objective optimization, constraint handling, parallel algorithms, dynamic optimization, machine learning and hybridization with other soft computing techniques.

Submitted papers were reviewed by at least four members of the International Program Committee, which selected 23 papers to be presented during the conference out of 43 submissions. However, only 17 papers were included in the present volume, resulting in a 39.5% acceptance rate.

We would like to thank the members of the Program Committee for their conscientious work, the authors for their greatly appreciated contributions, but also the members of the Organizing Committee who, once more, managed to put together a really enjoyable conference in Strasbourg.

Finally, financial and material support coming from ENSPS, Université de Strasbourg, CNRS, Région Alsace and the EA association contributed to the success of the conference and helped to keep registration fees very low.

November 2009

Pierre Collet
Nicolas Monmarché
Pierrick Legrand
Evelyne Lutton
Marc Schoenauer

¹ As for previous editions of the conference, the EA acronym is based on the original French name of the conference: “Évolution Artificielle.”

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Évolution Artificielle 2009 – EA 2009

October 26–28, 2009

Université de Strasbourg, France

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Invited Talk

Elementary Landscapes and Why they Matter, Darrell Whitley.

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