

Workshops Preface

The workshop series which is held as part of the Genetic and Evolutionary Computation Conference (GECCO) focuses on several emerging field within evolutionary computation. The workshops enable the authors to present their latest research on highly specialized topics. In 2008, a total of nine workshops were held in Atlanta, Georgia. Topics of the workshops range from Open-Source Software, Learning Classifier Systems, Building and Using Probabilistic Models, Defense, Medical, and Financial Applications to Multi-Agent Systems and Simulation. Undergraduate and Graduate Student Workshops were also held where students receive feedback on their projects from an expert audience. These workshops are an ideal place where new and emerging technologies which are related to the field of Genetic and Evolutionary Computation can be discussed.

The following workshops took place on July 12-13, 2008:

Advanced Research Challenges in Financial Evolutionary Computing

Christopher D. Clack

Defense Applications of Computational Intelligence Workshop

Laurence D. Merkle and Frank W. Moore

Evolutionary Computation and Multi-Agent Systems and Simulation Workshop

William Rand, Sevan G. Ficici, and Rick Riolo

Graduate Student Workshop

Steven Gustafson

Learning Classifier Systems Workshop

Jaume Bacardit, Ester Bernadó-Mansilla, and Martin V. Butz

Optimization by Building and Using Probabilistic Models

Mark Hauschild, Martin Pelikan and Kumara Sastry

Undergraduate Student Workshop

Laurence D. Merkle, Frank W. Moore, and Clare Bates Congdon

Workshop on Medical Applications of Genetic and Evolutionary Computation

Stephen L. Smith and Stefano Cagnoni

Workshop on Open-Source Software for Applied Genetic and Evolutionary Computation

Jason H. Moore

Technical papers which have been presented in these Workshops are included in this Proceedings. We hope that you have had an enjoyable time and that you had many lively discussions which may have led to new ideas and/or improvements upon your existing work.

Marc Ebner

Workshop Chair

GECCO'08 July 12-16, 2008, Atlanta, Georgia, USA