Editorial introduction

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Welcome to Volume 13 of *Genetic Programming and Evolvable Machines*.

I am happy to report that the journal is in good health with a steady stream of submissions, an acceptance rate of around 30%, and generally increasing article download rates and citation impact factors. At its annual meeting the journal's editorial board expressed enthusiasm for a variety of gradual improvements and adjustments to our processes including new models for cooperation with conference organizers—to help researchers transition the field's best new work from conferences to journal publication—along with ideas for new themes for special issues and special sections and new article formats. Some of these ideas should begin to bear fruit in the coming year, so stay tuned! News about these developments, and about other items of interest to the *Genetic Programming and Evolvable Machines* community, can be found on the editor's blog at <http://gpemjournal.blogspot.com/>.

In Volume 12 we published three regular issues and one special issue (on *Evolvable Hardware Challenges*), which together included sixteen articles describing new work and ten software and book reviews. William B. Langdon, the journal's Resource Review Editor, deserves special recognition for making Volume 12 so particularly rich in informative reviews, as does Paulina Haddow for handling all aspects of the timely and comprehensive *Evolvable Hardware Challenges* special issue.

Among the topics that you can expect to see covered in special issues or special sections in Volume 13 are *Evolutionary Algorithms for Data Mining* (in the present issue, thanks to Pierre Collet and Man-Leung Wong), *Systems Identification* (thanks to Steven Gustafson and Una-May O'Reilly), and expanded versions of the best papers from the EuroGP conference (thanks to Sara Sliva and James Foster). Plans are also in the works to publish expanded versions of the best papers from EvoBio

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and EvoMUSART in Volume 14, along, of course, with regularly submitted articles and resource reviews.

In the present issue we present two regular articles, one software review, and the special section on *Evolutionary Algorithms for Data Mining*. The two regular articles are “The evolution of higher-level biochemical reaction models” by Brian J. Ross and “Multi-class pattern classification using single, multi-dimensional feature-space feature extraction evolved by multi-objective genetic programming and its application to network intrusion detection” by Khaled Badran and Peter Rockett. The software review is David R. White’s review of the ECJ toolkit. In the special section Pierre Collet and Man-Leung Wong provide an editorial introduction which is followed by “Symbiotic Coevolutionary Genetic Programming: A Benchmarking Study under Large Attribute Spaces” by John A. Doucette, Andrew R. McIntyre, Peter Lichodziejewski, and Malcolm I. Heywood, and “Knowledge Mining Sensory Evaluation Data” by Kalyan Veeramachaneni, Ekaterina Vladislavleva, and Una-May O’Reilly.

As always, I welcome comments from readers about the ways in which the journal can better serve the research community, and I hope that you will join me in looking forward to another year of exciting work in the pages of *Genetic Programming and Evolvable Machines*.