



Editorial introduction

Lee Spector¹

Published online: 17 March 2020

© Springer Science+Business Media, LLC, part of Springer Nature 2020

Welcome to the third decade of *Genetic Programming and Evolvable Machines*.

This milestone finds the journal in good health, backed by an active and engaged community of authors, editors, reviewers, and readers, and supporting the timely publication of high-quality research on computational methods of ever-increasing power and consequence.

Our Twentieth Anniversary Special Issue, which was anticipated in my introduction to Volume 20 and has been managed and edited by Nicholas Freitag McPhee and W. B. Langdon, grew in scope and significance to the extent that we decided to present it as a double issue that will usher in Volume 21. It is that special issue that you currently hold in your hands, or that you are viewing on your screen.

I will leave it to the anniversary issue editors to describe their special issue in detail, along with the process that produced it and the themes and lessons that it surfaced. Here I will note only that I think that the editors did a superb job of soliciting and curating a collection of papers that is both broad and deep, providing the wider scientific community with a range of well-informed perspectives on the history, current state, and prospects for the fields covered by this journal. I am grateful to the editors and to all of the contributors and reviewers for the service they provided through their work on this special issue.

Aside from the special issue articles, the present issue also includes two book reviews: B. Ombuki-Berman's review of *Self-Organizing Coalitions for Managing Complexity* by Juan C. Burguillo, and Rosa Leonor Ulloa-Cazarez's review of *Robot-proof: Higher Education in the Age of Artificial Intelligence* by Joseph E. Aoun. It also features two software reviews: Alberto Tonda's review of "Inspired: Bio-inspired algorithms in Python," and Amir H. Gandomi and Ehsan Atefi's "Software review: the GPTIPS platform." Thanks are due, as usual to W. B. Langdon for his tireless stewardship of the journal's resource review process.

Subsequent issues in this volume will feature not only regular research articles and resource reviews, but also a special section on Integrating Numerical Optimization Methods with Genetic Programming, edited by Anna I. Esparcia-Alcázar and

✉ Lee Spector
lspector@hampshire.edu

¹ School of Cognitive Science, Hampshire College, Amherst, MA 01002, USA

Leonardo Trujillo, along with a special issue on Highlights of Genetic Programming 2019 Events, edited by Ting Hu, Miguel Nicolau, and Lukas Sekanina.

I hope that you will enjoy this special issue and the remainder of this volume, and that you will consider submitting your own research for publication in *Genetic Programming and Evolvable Machines*. Please do not hesitate to contact me if you have questions or suggestions regarding the future of the journal.

Acknowledgements This material is based upon work supported by the National Science Foundation under Grant No. 1617087. Any opinions, findings, and conclusions or recommendations expressed in this publication are those of the authors and do not necessarily reflect the views of the National Science Foundation.

Publisher's Note Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.