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GENETIC PROGRAMMING AND EVOLVABLE MACHINES

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The journal of ***Genetic Programming and Evolvable Machines*** is devoted to reporting innovative and significant progress in automatic evolution of software and hardware. Methods for artificial evolution of active components, such as programs or machines are rapidly developing branches of adaptive computation and adaptive engineering. They entail the development, evaluation and application of methods that mirror the process of neo-Darwinian evolution and produce as result computational expressions such as algorithms or machines such as mechanical or electronic devices that actively process environmental information and transform their environment. In addition to its main topics, the journal covers related topics such as evolutionary algorithms with variable-size genomes, alternate methods of program induction, approaches to engineering systems development based on embryology, morphogenesis or other techniques inspired by adaptive natural systems.

Methods:
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Both theoretical papers (preferably including computer simulations) and application papers are welcome. Papers describing hardware implementations are strongly encouraged. Papers in the areas of artificial life, molecular computing and any other emergent computation technique will be considered as well. (All manuscripts are subject to review).

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