Evolutionary Image Processing

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Message from the Guest Editors

The integration of evolutionary computation (EC) and image processing (IP) has become an important topic in Computer Engineering and has attracted the interest of many researchers. IP covers novel theory, algorithms, and architectures for the formation, capture, processing, communication, analysis, and display of images, video, and multidimensional signals for a variety of applications. On the other hand, in the field of EC, including swarm intelligence (SI) and other similar approaches, the process of natural evolution is used as a role model for a strategy for finding optimal or near-optimal solutions for a given problem, and this approach is now playing an increasingly important role in the community. Specifically, this Special Issue is focused on research that addresses IP problems using novel approaches of EC. Therefore, the purpose is to broadly engage the communities of IP and EC together and provide a forum for the researchers and practitioners related to this rapidly developing field to share their novel and original research regarding the topic of evolutionary image processing (EIP). Additionally, survey papers addressing relevant topics of EC and IP are also welcome.

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Special Issue

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Message from the Editor-in-Chief

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