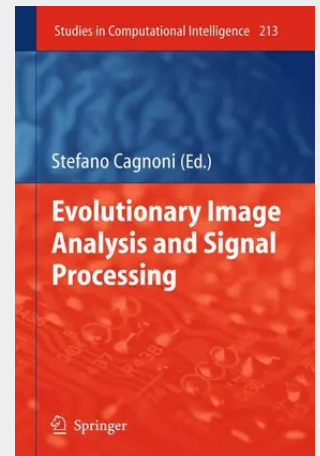


Evolutionary Image Analysis and Signal Processing

The publication of this book on evolutionary Image Analysis and Signal Processing (IASP) has two main goals. The first, occasional one is to celebrate the 10th edition of EvoIASP, the workshop which has been the only event specifically dedicated to this topic since 1999. The second, more important one is to give an overview of the opportunities offered by Evolutionary Computation (EC) techniques to computer vision, pattern recognition, and image and signal processing. It is not possible to celebrate EvoIASP properly without first acknowledging EvoNET, the EU-funded network of excellence, which has made it possible for Europe to build a strong European research community on EC. Thanks to the success of the first, pioneering event organized by EvoNET, held in 1998 in Paris, it was possible to realize that not only was EC a fertile ground for basic research but also there were several application fields to which EC techniques could offer a valuable contribution. That was how the idea of creating a single event, EvoWorkshops, out of a collection of workshops dedicated to applications of EC, was born. Amongst the possible application fields for EC, IASP was selected almost accidentally, due to the occasional presence, within EvoNET, of less than a handful of researchers who were interested in it. I would lie if I stated that the event was a great success since its very start, but it was successful enough to survive healthily for a couple of years, before reaching its present size, relevance, and popularity.

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