

## Candidate for Executive Committee

Natalio Krasnogor  
University of Nottingham, School of Computer Science, United Kingdom

### **BIOGRAPHY**

#### Academic Background:

Ph.D., University of the West of England, 2002, Studies on the Theory and Design Space of Memetic Algorithms.

#### Professional Experience:

Associate Professor (and Reader since 1st January 2009), School of Computer Science, University of Nottingham, United Kingdom, 2007 – Present;  
Lecturer (equiv. to Assistant Professor), School of Computer Science, University of Nottingham, United Kingdom, 2002 – 2007;  
Postdoctoral Fellow, School of Chemistry, University of Nottingham, United Kingdom, 2001 – 2002.

#### Professional Interest:

Evolutionary Computation; Natural Computation; Unconventional Computing Paradigms; Self-Assembly and Self-Organization; Interdisciplinary applications of the above to natural sciences.

#### ACM Activities:

Member ACM, 2008 – Present.

#### Membership and Offices in Related Organizations:

Co-Chair, IEEE Comp. Intel. Soc.'s Emerg. Tech. Tec Molecular Computation, 2007 – Present;  
Member, British Computer Society, 2008 – Present;  
Publication officer & executive committee member, The Soc. for the Study of Art. Intel. and Sim. of Behav. (AISB), 2005 – 2007.

#### Awards Received:

Best Paper Award, GECCO 2008 - Bioinformatics track, 2008;  
Best Paper Award, CEC 2007, 2007; Bronze Medal in the The 2007 “HUMIES” awards, GECCO 2007; ~ £1M on research awards from BBSRC, EPSRC & EU, 2009.

## **STATEMENT**

I am a Genetic and Evolutionary Computation active researcher and community “activist”. I coordinated various tracks, workshops, symposiums in which GEC played a crucial role. Community-building activities, including our own discipline-specific journals and indeed ACM-SIGEVO, are essential components of a healthy discipline. I will help promote these activities so as to expand our research and user bases. I believe it is essential to encourage a more fluid exchange of knowledge, ideas, and tools within the EC community. Moreover, I see it as a fundamental challenge the building of bridges into other disciplines (Engineering, Physics, Biology, etc) by exploiting our enormous intellectual capital. Recent advances in biotechnology and biomolecular sciences are transforming our views on the complexity of biological systems, particularly the computations they perform (i.e. how information is processed, transmitted and stored over multiple temporal and spatial scales) in order to survive and adapt in dynamic and sometimes hostile environments. In light of recent discoveries, one cannot but marvel at the power and appeal of Evolution. Indeed, I believe that a golden age for Genetic and Evolutionary Computation is approaching and I hope to have the privilege to serve our community in the years ahead.