evo* > the main european events on evolutionary computation

evobio 2011

9th european conference on evolutionary computation, machine learning and data mining in bioinformatics

27-29 april 2011
torino – italy
www.evostar.org

submission deadline
* 22 november 2010
notification to authors
* 7 january 2011
camera-ready deadline
* 1 february 2011

The European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics is a multidisciplinary conference that brings together researchers working in Bioinformatics that apply advanced techniques coming from Evolutionary Computation, Machine Learning, and Data Mining to address important problems in molecular biology, proteomics, genomics and genetics. The primary focus of the conference is to present the latest advances of these approaches for Bioinformatics and to provide a forum for the discussion of new research directions.

evobio 2011 will be the 9th annual European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics. The conference will be held in conjunction with the eurogp (14th European Conference on Genetic Programming), evocop (11th European Conference on Evolutionary Computation in Combinatorial Optimisation) and evoapplications, the specialist conference on a range of evolutionary computation topics and applications.

areas of interest and contributions
Topics of interest include but are not limited to:
* biomarker discovery;
* cell simulation and modelling;
* ecological modelling;
* fluxomics;
* gene networks;
* high-throughput biotechnology;
* metabolomics;
* microarray analysis;
* phylogeny;
* protein interaction;
* proteomics;
* sequence analysis and alignment;
* biological networks analysis;
* systems biology.

publication details
Each accepted paper will be presented orally or as a poster at the conference and will be printed in the proceedings published by *Springer Verlag* in the LNCS series.

The accepted papers of the previous editions of evobio were published in the *Springer Verlag* LNCS. The first 4 editions (2003–2006) were published in the LNCS 2611, 3005, 3449, 3907, together with the remaining evoworkshops. Since 2007 evobio became a evo* conference and its proceedings were published in *Springer Verlag* LNCS 4447, 4973, 5483, 6023, respectively.

The authors of papers which receive the best reviews will be nominated for the Best paper Award. Papers nominated for the best paper award will also be invited to expand their publication for a special issue of BioData Mining.

submission details
Submissions must be original and not published elsewhere. The submissions will be peer reviewed by at least three members of the program committee. The authors of accepted papers will have to improve their paper on the basis of the reviewers' comments and will be asked to send a camera ready version of their manuscripts. At least one author of each accepted work has to register for the conference and attend the conference and present the work.

The reviewing process will be double-blind, please omit information about the authors in the submitted paper. Submit your manuscript in Springer LNCS format.
* Submission link:
  http://myreview.csregistry.org/evobio11/

evobio is interested in papers in three major areas:
* Full research articles (maximum 12 pages) describing new methodologies, approaches, and/or applications (oral or poster presentation).

* System Demonstrations (maximum 6 pages) outlining the nature of the system and describe why the demonstration is likely to be of interest for the conference. Demonstrations of interest include systems under development or in active use in research or practice domains. Selected demo submissions may be asked to give an oral presentation in the conference sessions.
* Short reports (maximum 6 pages) describing new methodologies, approaches, and/or applications (poster presentation)

evobio chairs

* Clara Pizzuti
ICAR, National Research Council of Italy > Italy
pizzuti@icar.cnr.it

* Marylyn Ritchie
Vanderbilt University > USA
ritchie@chgr.mc.vanderbilt.edu

publication chair

* Mario Giacobini
University of Torino > Italy
mario.giacobini@unito.it

evo* coordinator

* Jennifer Willies
Napier University > United Kingdom
j.willies@napier.ac.uk

local chair

* Mario Giacobini
University of Torino > Italy
mario.giacobini@unito.it

evo* publicity chair

* Penousal Machado
University of Coimbra > Portugal
machado@dei.uc.pt