

Eleventh European Conference on Artificial Life

ECAL 11 20th Anniversary Edition

Back to the Origins of Alife

PARIS
8-12 August 2011

HOME &
COMMITTEES

THEMES &
ART

KEYNOTES &
PIONEERS

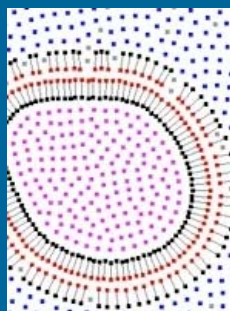
PROGRAM &
WORKSHOPS

Submission
(Closed)

Registration
Now Open

Location &
Travel

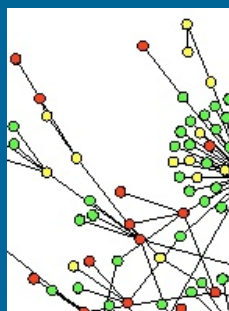
Contact



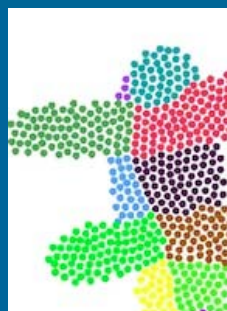
protocell



collective intelligence



networks



morphogenesis

Artificial Life is an interdisciplinary undertaking that investigates the fundamental properties of living systems through the simulation and synthesis of biological entities and processes. It also attempts to design and build artificial systems that display properties of organisms, or societies of organisms, out of abiotic or virtual parts.

ECAL, the European Conference on Artificial Life, is a biennial event that alternates with the US-based *Alife* conference series.

Important dates in 2011

Apr-17 Paper-submission

May 27 Paper notification

June 9 End of early rates

June 10 Camera-ready

June 10 Start of standard rates

July 30 End of standard rates

July 31 Start of late rates

Aug 8-12 Conference

Refocusing on biology and complex systems



Francisco Varela (1946-2001)

<http://www.ecal11.org>
contact@ecal11.org

Student Fees: €245 / €295 / €355
Academic Fees: €375 / €450 / €545
Individual Fees: €635 / €750 / €925

Panel of Alife Pioneers

- Mark Bedau
- Rodney Brooks
- Steen Rasmussen
- Luc Steels

Art Exhibit & Show

- Louis Bec
- Francois Pachet
- Takashi Ikegami

Welcome to ECAL 2011! Back then, in the early 1990's, the first two ECAL conferences in Paris and Brussels were mainly centered on theoretical biology and the physics of complex systems. Today, we feel that Alife can look back on these origins and take more inspiration from new developments at the intersection between computer science and theoretical biology—thus it is our wish to refocus the conference on *complex biological systems*. Closing a loop, this ECAL will mark the 20th anniversary of the 1st ECAL and will be framed as a tribute to the late Francisco Varela, co-organizer in 1991 with two of this year's committee members (Paul Bourguin, CREA, and Hugues Bersini, IRIDIA). We look forward to seeing you in Paris.

>> 177 submissions total (148 original full papers, 29 overview abstracts) <<

6 Keynote Speakers // A Panel of Alife Pioneers // Art Exhibit & Show // 14 Workshops

Organizing Committee

- René Doursat (general chair)
Ecole Polytechnique/CNRS, Paris
- Hugues Bersini
Université Libre de Bruxelles
- Paul Bourguin
Ecole Polytechnique/CNRS, Paris
- Mario Giacobini (program chair)
University of Torino
- Tom Lenaerts (program chair)
Université Libre de Bruxelles
- Marco Dorigo
Université Libre de Bruxelles

Location



The conference will be held at the Cité Internationale Universitaire de Paris. The Cité Internationale was created in the pacifist context of the 1920s to support exchanges among students of the whole world. It is located on a wooded park in the south of the French capital and represents the largest student housing and facilities in the Paris region (5,600 beds). The grounds of the Cité Internationale accommodate 40 residences, doubling as an outdoor exhibit of architecture. The eclecticism of the buildings expresses the diversity of the countries that contributed to their construction. Residences evoke the architecture of their country of origin (e.g., English colleges), others originate from the international modern movement (decorative arts, etc.)

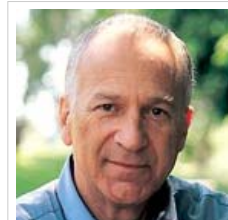
Keynote Speakers



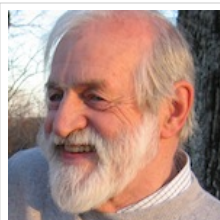
Eric Wieschaus
Princeton University
1995 Nobel Prize in Physiology



Jacques Demongeot
Université Joseph Fourier, Grenoble



David Harel
Weizmann Institute of Science



James D. Murray
Universities of Washington and Oxford



Jordan Pollack
Brandeis University



Ricard Solé
Universitat Pompeu Fabra, Barcelona

ECAL united with Alife // Proceedings with MIT Press // Best papers in *Alife* journal

