Electronic Forums and Other EC-Related Activities

The evolutionary computation community maintains a number of electronic mailing lists that provide timely interactions, exchange of information, and sharing of software. Participants submit articles on research issues, recent results, notices on new technical reports, workshop announcements, and calls for papers. A brief description of the more active ones follows.

Comp.AI.Genetic is a newsgroup intended for anyone interested in the general area of evolutionary computation. See your local systems administrator to obtain this news feed. A substantial FAQ sheet (frequently asked questions) on EC is maintained and is quite helpful.

EP-List is an electronic mailing focusing on Evolutionary Programming (EP) as defined by Fogel. To subscribe, send mail to EP-List-Request@magenta.me.fau.edu.

Genetic-Programming is an electronic mailing list focusing on genetic programming (GP) as defined by Koza. To subscribe, send mail to Genetic-Programming-Request@cs.stanford.edu.

GA-List is a moderated electronic digest for the interchange of information relating to genetic algorithms (GAs) as defined by Holland and general issues of evolutionary computation. Submissions are put into digest form and sent to subscribers approximately once a week. To subscribe, send mail to GA-List-Request@aic.nrl.navy.mil.

An ftp archive site is maintained with back issues of GA-List and other useful information, including source code for genetic algorithm and other evolutionary algorithm packages. The ftp site can be accessed using anonymous ftp to ftp.aic.nrl.navy.mil. Use a username of "anonymous" and use your own e-mail address as your password.

In addition to the ftp site, the archive is now available on the World Wide Web. This also contains links to other GA and evolutionary computation information sources and links to the home pages of other research groups working in evolutionary computation. The URL is http://www.aic.nrl.navy.mil/galist.

The GA-List digest also includes a calendar of recent and upcoming EC-related events. The following listing of events is excerpted from a recent issue of GA-List. The volume/number designation refers to the GA-List issue where the full announcement can be found.

21 – 24 October, 1997

Evolution Artificielle 97 - EA'97 (v11n10)

EA'97 is the third conference on evolutionary computation organized in France. Following EA'94 in Toulouse and EA'95 in Brest, the Conference will be held in Nimes, a 2000-year-old Roman city of art and history, 45 km from the beautiful Mediterranean Sea. Authors are invited to present original work in one of the following topics related to evolutionary computation: optimization, learning, theory, coevolution, artificial life, population dynamics, implementations, real-world applications.

Calendar:

Deadline for paper submission:	May 1, 1997
Notifications of acceptance:	June 15, 1997
Khepera Contest registration deadline:	June 15, 1997
Submission of final manuscripts:	July 1, 1997
Conference:	Oct 21–24, 1997

Contact:

Secretariat de Evolution Artificielle 97

LGI2P, EMA-EERIE,
Parc Scientifique G. Besse

30000 Nimes, France

Tel: +33 (0)466 387 051 or +33 (0)466 387 021

Fax: +33 (0)466 387 074

ea97@eerie.fr

http://blanche.polytechnique.fr/www.ea
/ea97.html

24 – 28 November, 1997

Evolutionary Computation for Industrial Applications, New Zealand (v11n3)

A special invited session on evolutionary computation (EC) applied to problems of relevance to industries is organized for the Asian Pacific Neural Network Assembly—ICONIP'97. Papers dealing with scheduling or resource allocation-type problems are especially encouraged. Although the emphasis is on EC, papers describing applications that employ techniques of hybrid nature (e.g., GAs with other established methods, such as neural, fuzzy, simulated annealing, tabu, branch and bound) are also encouraged.

Contact:

Dr. M. H. Lim

School of EEE (Block S1)

Nanyang Technological University

Singapore 639798

emhlim@ntuvax.ntu.ac.sg

http://divcom.otago.ac.nz:800/com/infosci
/kel/iconip97.htm

27 February – 1 March, 1998

13th Annual ACM Symposium on Applied Computing (SAC98) Genetic Algorithms and Optimization Track
Atlanta Marriot Marquis, Atlanta, Georgia, U.S.A. (v11n17)

Applications using genetic algorithms, genetic programming, and other optimization techniques are one of the major tracks in SAC'98. This particular track has had enormous success in past years, and we anticipate another set of excellent papers for this conference.

The purpose of this track is to provide a forum for the interchange of ideas, research, development activities, and applications among academicians and practitioners in the areas related to genetic algorithms and other

optimization techniques in applications.

Contact:

Roger L. Wainwright

Track Editor SAC'98

Genetic Algorithms

Department of Mathematical and Computer Sciences

University of Tulsa

600 South College Ave.

Tulsa, OK, USA 74104-3189

Tel: (918) 631-3143

Fax: (918) 631-3077

rogerw@penguin.mcs.utulsa.edu

http://www.acm.org/conferences/SAC98/

Important Dates:

Aug 15, 1997:   Paper submission
Oct 15, 1997:   Author notification
Dec 1, 1997:   Camera-ready copy due
Feb 27, 1998:   Conference begins

21 – 23 April, 1998

Evolutionary/Adaptive Computing Conference (formerly, Adaptive Computing in Engineering Design and Control, ACEDC) (v11n3)

(i) Explore the integration of adaptive computing (AC) technologies and complementary soft computing techniques across a wider spectrum of design activities. (ii) Include AC integration with manufacturing systems (i.e., control, planning, and scheduling). (iii) Address the inclusion of manufacturing aspects and criteria within AC-based design scenarios (i.e., the utility of AC within integrated product development). (iv) Explore the human-centered aspects of AC integration with current design/manufacturing team practice.

http://www.tech.plym.ac.uk/soc/research/edc/

4 – 9 May, 1998

1998 IEEE International Conference on Evolutionary Computation (ICEC) (part of the IEEE Neural Networks Council World Congress on Computational Intelligence) (v11n22)

Papers for the conference should be submitted on or before September 26, 1997, to me at the address below (i.e., they should be received by this date). The technical program chairs who will be responsible for handling the reviews and the formation of the final technical program are Thomas Bäck, Hans-Paul Schwefel, and Xin Yao. Papers should present original, unpublished efforts in evolutionary computation and are limited to six (6) pages.

Contact:

David B. Fogel

Program Chair, ICEC98

c/o Natural Selection, Inc.

3333 N. Torrey Pines Ct., Suite 200

La Jolla, CA 92037 USA

dfogel@natural-selection.com

www.natural-selection.com/people/dbf.html

http://www.arc.unm.edu/wcci-98

10 – 14 May, 1998

Learning Cyclic Control/Behavior in Robots at ISORA'98 (Seventh International Symposium on Robotics with Applications: part of the World Automation Congress (WAC 98)) (v11n8)

A special session is planned on learning cyclic control/behavior in robots. Facets of robot control require that a sequence of instructions be continually repeated to attain the desired behavior. The purpose of this session will be to examine alternative means of learning these cycles and their applications. Learning methods can be (but are not limited to):

Genetic algorithms

Cyclic genetic algorithms

Genetic programming

Evolutionary strategies

Classifier systems

Evolutionary programming

Neural networks

Fuzzy logic

Probabilistic reasoning

Important Dates:

Apr 15, 1997:	Abstract due
June 15, 1997:	Notification of acceptance
Sept 1, 1997:	Full manuscript due date
May 10–14, 1998:	ISORA'98

Session Chair:

Gary B. Parker

Lindley Hall 215

Computer Science Department

Indiana University

Bloomington, IN 47405-4101 USA

gaparker@cs.indiana.edu

22 – 25 July, 1998

GP-98. Genetic Programming Conference, Madison, Wisconsin.

Contact:

Prof. John R. Koza

GP-98 Conference

American Association for Artificial Intelligence

445 Burgess Drive

Menlo Park, CA 94025

Tel: 415-328-3123

Fax: 415-321-4457

gp@aaai.org.

http://www.genetic-programming.org

24 – 26 August, 1998

This is the third international conference on hydroinformatics organized by the International Association for Hydraulic Research (IAHR) and is hosted on this occasion by the Danish Hydraulic Institute (v11n13).

The objectives of this conference are to expose the latest developments in hydroinformatics as well as to present the state-of-the-art applications of this technology to real-world problems.

Conference topics encompass, but are not restricted to:

Emergent technologies (evolutionary algorithms, neural networks, fuzzy logic, distributed and decentralized simulation, object- and agent-orientation, data mining)

Correspondence:

Hydroinformatics '98

Danish Hydraulic Institute

Agern All=E9 5, DK-2970 H=F8rsholm

Denmark

Tel: +45 - 45 76 95 55

Fax: +45 - 45 76 25 67

HIC98@dhi.dk

http://www.dhi.dk/HIC98/Welcome.html

Important dates and deadlines:

Sept 15, 1997:	Submission of abstracts
Oct 15, 1997:	Acceptance of abstracts
Feb 1, 1998:	Submission of papers
Aug 23, 1998:	Tutorial day and welcoming of delegates
Aug 24, 1998:	Conference

http://www.dhi.dk/HIC98/Welcome.html

24 – 26 September, 1998

Second International Conference on Evolvable Systems: From Biology to Hardware (ICES98) (v11n11)

Following the success of these past events, ICES98 will reunite this burgeoning community, presenting the latest developments in the field, bringing together researchers who use biologically inspired concepts to implement real systems in artificial intelligence, artificial life, robotics, VLSI design, and related domains.

Important Dates:

March 1998:	Submission deadline
May 1998:	Notification of acceptance
June 1998:	Camera-ready due
September 24–26 1998:	Conference dates

http://lslwww.epfl.ch/ices98/

27 September – 1 October, 1998

Parallel Problem Solving from Nature, Amsterdam (v11n16)

Natural computation is a common name for the understanding and design of algorithms gleaned from nature. The main characteristic of natural computation is the metaphorical use of concepts, principles, and mechanisms underlying natural systems. Examples are: evolutionary algorithms inspired by the processes of genetic inheritance and natural selection in biology, simulated annealing inspired by many-particle systems in physics, algorithms inspired by growth processes in biology and economics, and neural and immune networks inspired by multicellular systems in biology and chemistry.

Important Dates:

March 13, 1998:	Submission of full papers
June 1, 1998:	Notification of acceptance
July 1, 1998:	Submission of revised accepted papers

http://www.wi.leidenuniv.nl/CS/ALP/ppsn98.html