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# 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.

**24 - 26 March, 1996**

## **Conference on Computational Intelligence for Financial Engineering, CIFEr Conference, New York City, Crowne Plaza Manhattan (v9n53)**

The IEEE/IAFE CIFEr Conference is the second annual collaboration between the professional engineering and financial communities, and is one of the leading forums for new technologies and applications in the intersection of computational intelligence and financial engineering. Intelligent computational systems have become indispensable in virtually all financial applications, from portfolio selection to proprietary trading to risk management. Topics in which papers, panel sessions, and tutorial proposals are invited include, but are not limited to, the following:

Conference Topics  
Financial Engineering Applications  
Computer & Engineering Applications & Models:

- Neural Networks
- Probabilistic Reasoning
- Fuzzy Systems and Rough Sets
- Stochastic Processes
- Dynamic Optimization
- Time Series Analysis
- Non-linear Dynamics

## Evolutionary Computation

Contact:

Payman Arabshahi

Electronic Publicity Chair, CIFER'96

Dept. of Electrical &amp; Computer Eng.

University of Alabama in Huntsville

Huntsville, AL 35899

Tel : (205) 895-6380

Fax : (205) 895-6803

e-mail: payman@ebs330.eb.uah.edu

<http://www.eb.uah.edu/ece/>

Visit us on the World Wide Web for latest updates and information at:

<http://www.ieee.org/nnc/conferences/cfp/cifer96.html>

**25 – 27 March, 1996**

**AAAI-96 Spring Symposium Series  
Adaptation, Co-evolution and Learning in  
Multiagent Systems, Stanford University,  
California (v9n44)**

Coordination of multiple agents is essential for the viability of systems in which these agents share resources. Most of the research in Distributed Artificial Intelligence have concentrated on developing coordination strategies off-line. These pre-fabricated strategies can quickly become inadequate if the system designer's world model is incomplete/incorrect or if the environment can change dynamically. Learning and adaptation are invaluable mechanisms by which agents can evolve coordination strategies that meet the demands of the environments and the requirements of individual agents.

The goal of this symposium is to focus on research that will address unique requirements for agents learning and adapting to work with other agents. Recognizing the applicability and limitations of current machine learning research as applied to multiagent problems as well as developing new learning and adaptation mechanisms particularly targeted to this class of problems will be of particular relevance to this symposium. We would particularly welcome new insights into this class of problems from

other related disciplines, and thus would like to emphasize the inter-disciplinary nature of the symposium.

WWW:

<http://euler.mcs.utulsa.edu/sandip/ss.html>.

Contact:

Sandip Sen (Chair)

University of Tulsa

e-mail: sandip@kolkata.mcs.utulsa.edu

**26 – 28 March, 1996**

**Second International Conference on  
Adaptive Computing in Engineering Design  
and Control '96, University of Plymouth,  
United Kingdom**

There is a worldwide upsurge of interest from both industry and academia in exciting, novel computer technologies that are inspired by biological principles and other natural processes. Genetic algorithms, neural computing, and cellular automata are examples of emergent computational techniques that exploit cooperating elements to solve complex problems previously considered to be beyond the capabilities of conventional numerical computation. A number of specialized conferences are held annually where fundamental issues in these fields are described and discussed.

ACEDC '96 is the second in what is expected to be a biennial series of meetings aimed at addressing the rapidly developing integration of these emerging computing technologies with engineering applications, particularly in the areas of design and control. The primary objective of the ACEDC '96 Conference is to create a stimulating environment in which participants can assess the state of the art, discuss feasible future directions for research and applications, and develop long-term targets. The ultimate aim of this conference series is to ensure that design engineers can take full advantage of these powerful computing technologies and of their implementation upon high-performance computing platforms, as they both become increasingly available and dominant over the next 10 years and into the early part of the twenty-first century.

Important Dates:

Immediately Expression of interest  
15 May 1995 Deadline for receipt of  
abstracts  
30 Aug. 1995 Notification of acceptance  
23 Oct. 1995 Deadline for receipt of full  
papers  
26–28 Mar. 1996 Conference

Contact Address:

Ms. J. Levers  
Plymouth Engineering Design Centre  
University of Plymouth  
Charles Cross Centre  
Drake Circus  
Plymouth  
Devon, PL4 8DE  
United Kingdom  
Tel: +44 (0)1752-233508  
Fax: +44 (0)1752-233505  
e-mail: ian@cis.plym.ac.uk

26 - 28 March, 1996

**ICSC - International Computer Science Conventions IIA'96 / SOCO'96 Intelligent Industrial Automation (IIA'96) and Soft Computing (SOCO'96), International Symposia including Workshops/Tutorials at the University of Reading, England (v9n35)**

Topics (IIA'96) Robotics and Computer Integrated Manufacturing (Analysis, Fault Diagnosis, Optimization, Simulation), Industrial Inspection, Design Automation and Rapid Prototyping, Scheduling, Process Control and Automation, Autonomous Systems, Intelligent Control Systems, Reliability and Maintainability, Production, System Modelling

Topics (SOCO'96) Artificial Neural Networks, Fuzzy Logic, Fuzzy Control, Genetic Algorithms, AI and Expert Systems, Probabilistic Reasoning, Machine Learning, Distributed Intelligence, Learning Algorithms and Intelligent Control, Self-Organizing Systems

Submission of manuscripts: Abstracts should be submitted until July 31, 1995. Calls for papers and full information are available from

ICSC Canada

P.O. Box 279  
Millet, Alberta T0C 1Z0  
Canada  
Tel: +1-403-398-3546  
Fax: +1-403-387-4329  
e-mail: icsc@freenet.edmonton.ab.ca

Contact:

Dr. George D. Smith  
Computing Science Sector  
School of Information Systems  
University of East Anglia  
Norwich NR4 7TJ, UK  
Tel: + 44 (0)603 593260  
Fax: + 44 (0)603 507720  
e-mail: gds@sys.uea.ac.uk

1 - 2 April, 1996

**AISB96 Workshop on Evolutionary Computing, Sussex, UK (v9n54)**

Outline:

The purpose of the workshop is to give researchers active in the area of evolutionary computing an opportunity to present their work and have discussions on current developments in a relatively informal atmosphere at a low cost. Submissions will be refereed by the program committee and a program drawn up on the basis of those accepted. Some of the program committee members and researchers visiting the UK will be invited to give talks for which they too will provide a paper. Papers will be bound and distributed to the participants at the beginning of the workshop and a fully refereed post-workshop proceedings published if possible.

Subjects:

Evolutionary Programming, Evolution Strategies, Genetic Algorithms, Classifier Systems, Genetic Programming and applications thereof.

Submissions:

Acceptance will be on the basis of extended abstracts or full papers of a maximum of 5000 words. Four A4 paper copies to be submitted by

mail or one postscript copy by email. If you wish to attend without submitting a paper please submit a summary of interests. Attendance will be limited to 50 persons.

**Timetable:**

- 18 Oct. 1995 Call for Participation
- 15 Dec. 1995 Last date for submission of papers
- 1 Feb. 1996 Notification of accepted papers
- 1 Mar. 1996 Camera-ready papers due

**Contact:**

Terry Fogarty  
 email: tcf@btc.uwe.ac.uk  
 post: Dr Terence C. Fogarty  
 Faculty of Computer Studies and Mathematics  
 University of the West of England, Bristol  
 Bristol, BS16 1QY, UK

**14 - 16 April, 1996**

**AI Techniques in Engineering and Mechanics: A Special Session of the Eighteenth Southeastern Conference on Theoretical and Applied Mechanics, Tuscaloosa, Alabama (v9n46)**

Artificial Intelligence (AI) techniques are now being used by the practicing engineer to solve a whole range of heretofore intractable problems. This session will consist of paper presentations describing the practical application of AI in all branches of engineering and mechanics, and thus will serve as a forum for the transfer of knowledge in this rapidly developing field. Papers are welcome from individuals and research groups on the subject of applications of AI including, but not limited to, the following topics:

Systems and techniques such as:

Expert systems, knowledge acquisition, knowledge-based systems, interactive knowledge-based systems, intelligent CAD/CAM systems, signal processing, sensor and data fusion, adaptive learning systems, neural networks, performance analysis, machine-vision systems, deductive databases, knowledge representation, modelling, learning heuristics, intelligent control systems, fuzzy logic, and genetic algorithms.

Engineering applications including:

Manufacturing, industrial engineering, production engineering, chemical engineering, civil engineering, electrical engineering, mechanical engineering, process control, robotics, autonomous vehicles, and communication.

**Contact:**

Robert E. Smith  
 Tel: (205) 348-1618  
 e-mail: rob@comec4.mh.ua.edu  
 and

Charles L. Karr  
 Tel: (205) 348-0066  
 e-mail: ckarr@buster.eng.ua.edu  
 Department of Engineering Science and Mechanics  
 University of Alabama  
 Box 870278  
 Tuscaloosa, AL 35487  
 Fax: (205) 348-7240

**16 - 18 May, 1996**

**First Call for Papers - Artificial Life V: An Interdisciplinary Workshop on the Synthesis and Simulation of Living Systems, Nara-Ken New Public Hall, Nara, near Kyoto, Japan (v9n45)**

ALifeV will take a retrospective and prospective look at the field of Artificial Life. Besides the usual presentations of the latest work in the field, we will have special presentations and workshops reviewing the past and present, and previewing the future, of both Artificial and Natural life.

**Important Dates:**

- Submission deadline November 30, 1995
- Notification of acceptance January 8, 1996
- Camera-ready February 1, 1996

**Contact:**

ALife V Program Secretary  
 ATR Human Information Processing Research Labs.  
 2-2 Hikari-dai, Seika-cho, Soraku-gun

Kyoto 619-02 Japan  
e-mail: alife@hip.atr.co.jp

**20 - 22 May, 1996**

**IEEE International Conference on Evolutionary Computation (ICEC'96), Nagoya, Japan (v9n18).**

Topics:

Theory of evolutionary computation  
Applications of evolutionary computation  
Efficiency/robustness comparisons with other direct search algorithms  
Parallel computer implementations  
Artificial life and biologically inspired evolutionary computation  
Evolutionary algorithms for computational intelligence  
Comparisons between difference variants of evolutionary algorithms  
Machine learning applications  
Genetic algorithm and selforganization  
Evolutionary computation for neural networks  
Fuzzy logic in evolutionary algorithms

Important Dates:

November 15, 1995 Proposal for tutorial/exhibits  
December 20, 1995 Submission of Papers (except for special sessions)  
February 20, 1996 Notification of acceptance  
April 10, 1996 Submission of camera-ready papers

Contact:

Toshio Fukuda, General Chair  
Nagoya University  
Dept. of Micro System Engineering and  
Dept. of Mechano-Informatics and Systems  
Furo-cho, Chikusa-ku, Nagoya 464-01, Japan  
Tel: +81-52-789-4478  
Fax: +81-52-789-3909  
e-mail: fukuda@mein.nagoya-u.ac.jp

**27 - 30 May, 1996**

**Evolutionary Algorithms in Robotics at ISRAM '96, Sixth International Symposium on Robotics And Manufacturing, Montpellier, France (v9n46)**

As part of the Sixth International Symposium on Robotics and Manufacturing, a special invited session is planned on evolutionary algorithms (GA, ES, GP, EP, etc.) in robotics. Topics of interest include (but are not limited to) the use of evolutionary algorithms in:

- Robotic control
- Robotic learning, both on-line and off-line
- Path and collision planning in robot manipulators
- Coordination of multiple robots
- Perception and multi-sensor integration
- Applications

Interested researchers should send a short description of their research and an abstract of 300 to 500 words via email or land mail to the address below. These must arrive by October 20, 1995. Authors will be notified by December 1. Final papers will be due by February 15, 1996.

Session Co-Chairs:

John Grefenstette and Alan C. Schultz  
Code 5514  
Naval Research Laboratory  
Washington D.C. 20375-5337  
USA  
e-mail: {gref,schultz}@aic.nrl.navy.mil

**24 - 27 June, 1996**

**Evolutionary Computation and Its Applications, Moscow, Russia (v9n59)**

Topics appropriate for presentation at EvCA'96 include any branch of evolutionary computation theory, innovation, or application (including genetic algorithms, evolution strategies, genetic programming, evolutionary programming; (see also web page).

Key Dates:

(As soon as possible)	Send the attached information (interest slip to EvCA'96 Organizing Committee	February 28, 1996	Submission of paper (original and 3 copies)
February 7, 1996	Submit abstract	April 15, 1996	Notification of acceptance to authors
March 15, 1996	Notification of Authors	April 30, 1996	Final Announcement distribution
April 1, 1996	EvCA'96 Advance Program mailed to interested parties		
April 30, 1996	Final camera-ready copies due		
April 30, 1996	Advanced Registration Due		

Contact:

EvCA'96 Headquarters  
 Case Center, 112 Engineering Building  
 Michigan State University  
 East Lansing, MI 48824  
 USA  
 Tel: + (517) 355-6453  
 Fax: + (517) 355-7516  
 e-mail: evca96@cps.msu.edu

Contact:

MENDEL '96 Secretary:  
 Technical University of Brno  
 Faculty of Mechanical Engineering  
 Institute of Automation and Information Technology  
 Technicka 2  
 616 69 Brno  
 Czech Republic  
 Phone: +42-5-41143334  
 Fax: +42-5-744979  
 e-mail: mendel96@kinf.fme.vutbr.cz  
 Other information will be available on WWW address:  
 "http://www.fme.vutbr.cz/html/UAI/confs/men96.html"

**26 - 28 June, 1996**

**MENDEL96 2nd Intl Mendel Conference on GAs, Brno, Czech (v9n61)**

Brno, the workplace of the father of genetics, and the conference organizers, are very pleased to offer a conference platform for modern engineering using heredity principles. The MENDEL '96 Conference organizers wish to create a base for a theoretical and practical exchange of knowledge of evolution theories in Central and Eastern Europe. Theoretical papers that relate to the conference topic are invited as are any practical results from and knowledge of the field of evolution strategies in mathematics, engineering, research, education.

Working Language:

The working language of the Conference will be English, which will be used for all printed materials, presentations, and discussions.

Deadlines:

**1 - 5 July, 1996**

**IPMU'96 Granada, Spain (v9n31)**

Aims and Scope

Organized at a regular two-year interval, the IPMU International Conference deals with the difficulties existing in the acquisition, representation, management and transmission of data in knowledge-based and decision-making systems. It brings together researchers working on various methodologies for the management of uncertain information and provides a useful exchange between theorists and practitioners using these different methodologies.

Contact:

IPMU'96  
 Dpto. Ciencias de la Computacion e Inteligencia Artificial.  
 E.T.S.I. Informatica.  
 Avda. Andalucia, 38

Universidad de Granada.  
18071 Granada. Spain.  
Tél: +34.58.244019  
Fax: +34.58.243317  
e-mail: [ipmu96@robinson.ugr.es](mailto:ipmu96@robinson.ugr.es)  
e-mail for submissions:  
[ipmu96-submissions@robinson.ugr.es](mailto:ipmu96-submissions@robinson.ugr.es)  
URL: <http://pirata.ugr.es/ipmu96.html>

### 3 - 6 July, 1996

#### **ICML96 International Conference on Machine Learning, Bari, Italy (v9n54)**

##### Program:

The scientific program will include invited talks, presentations of refereed papers and a session of general discussion. Submissions are invited in all areas of Machine Learning, including, but not limited to:

Abduction  
Analogy  
Applications of machine learning  
Artificial neural networks  
Case-Based learning  
Cognitive models of learning  
Computational learning theory  
Explanation-based learning  
Formal models of learning  
Inductive learning  
Inductive logic programming  
Genetic algorithms  
Knowledge discovery in databases  
Learning and problem solving  
Multistrategy learning  
Reinforcement learning  
Representation change  
Scientific discovery  
Theory revision

##### Important Dates:

Workshop submission deadline December 15, 1995  
Paper submission deadline January 21, 1996  
Notification of workshop acceptance January 31, 1996  
Notification of paper acceptance March 8, 1996  
Camera-ready copy April 6, 1996

##### Contact:

[icml96@di.unito.it](mailto:icml96@di.unito.it)

ICML'96 has its own page on the World-Wide Web in the URL at:

<http://www.di.unito.it/pub/WWW/ICML96/home.html>

This announcement is also available in PostScript in the URL at:

<ftp://ftp.di.unito.it/pub/ICML96/callforpapers.ps>

### 28 - 31 July, 1996

#### **Genetic Programming Conference, Stanford, CA (v9n9).**

This first genetic programming conference will bring together people from the academic world, industry, and government who are interested in genetic programming. The conference program will include contributed papers, tutorials, an invited speaker, and informal meetings. Topics of interest include, but are not limited to:

- new applications of genetic programming
- theory
- extensions and variations of genetic programming
- parallelization techniques
- mental models, memory, and state
- operator and representation issues
- relations to biology and cognitive systems
- implementation issues
- war stories

For more information:

e-mail: [GP96@Cs.Stanford.Edu](mailto:GP96@Cs.Stanford.Edu)

WWW:

<http://www.cs.brandeis.edu/~zippy/gp-96.html>

GP-96 Conference

c/o John Koza

Computer Science Department

Margaret Jacks Hall

Stanford University

Stanford, CA 94305-2140 USA

### 3 – 5 August, 1996

#### **FOGA4 Foundations of Genetic Algorithms - 4, San Diego, California (v9n47)**

The 1996 Foundations of Genetic Algorithms (FOGA4) workshop will be the fourth biennial meeting of a workshop designed to explore theoretical issues relevant to genetic algorithms (GAs) and evolutionary computation generally. FOGA4 will held Saturday, August 3, through Monday, August 5, 1996 at the University of California in San Diego, California. A reception will be held Friday evening, August 2, with regular workshop activities beginning August 3.

Attendance at the workshop will be limited; the goal is to create a small forum with close interaction among all the participants. Individuals submitting papers will be given priority for attendance, and some slots will be reserved for students. All individuals interested in attending must indicate this by either submitting a paper or requesting attendance.

Important dates:

1 Feb 96	Extended abstract due
15 Apr 96	Authors notified of acceptance
15 Jul 96	Drafts of full paper due
3–5 Aug 96	FOGA4, San Diego, CA

Paper submissions and inquiries may be directed to:

Richard K. Belew

Computer Science & Engr. Dept. (0114)

Univ. California – San Diego

La Jolla, CA 92093-0114

e-mail: rik@cs.ucsd.edu

Michael D. Vose

C.S. Dept., 107 Ayres Hall

The University of Tennessee

Knoxville, TN 37996

e-mail: vose@cs.utk.edu

### 19 - 25 August, 1996

#### **2NWGA 2nd Nordic Workshop on Genetic Algorithms, Finland (v9n56)**

The second Nordic meeting on genetic algorithms and their applications will be held Sun. 19 - Sun. 25 August 1996 at the University of Vaasa, Finland. The program of the workshop is still open. All suggestions of sessions, tutorials or others are welcome.

The presented papers will be published as a proceedings (full paper or abstract) and will be available also via anonymous ftp (<ftp://ftp.uwasa.fi/cs/2NWGA>) in PostScript and via WWW (<http://www.uwasa.fi/2NWGA>). To make this happen, the authors are kindly asked to submit the papers in LaTeX-format including figures (as .eps files). Instructions for authors are available from the above ftp directory (see the README file for further instructions).

Timetable:

Title and abstract	due 29 Feb. 1996
Notification of Acceptance	due 1 Apr. 1996
Final paper	due 1 May 1996

e-mail submissions either in LaTeX or .ps-files (the final paper must be in LaTeX) to:

Jarmo.Alander@uwasa.fi.

Contact:

Acting prof. Jarmo T. Alander,

University of Vaasa, Production automation

P.O. Box 700, FIN-65101 Vaasa, Finland

tel. int.: +358-61-3248 444

fax: +358-61-3248 467

URL: <http://www.uwasa.fi/jal>

### 2 - 5 September, 1996

#### **EUFIT96 Intelligent Techniques and Soft Computing, Germany (v9n60)**

The conference will be composed of plenary presentations, semi-plenary sessions, panel sessions, invited and contributed sessions, and other events. There will be parallel and interactive sessions. They include scientific and

applied presentations in Fuzzy Technology, Neural Networks, and Genetic Algorithms. In interactive sessions speakers can communicate freely with the interested audience up to 60 minutes.

Structure of the Congress:

Tutorials	September 2, 1996
Conference	September 3–5, 1996
Exhibition	September 3–5, 1996
Working Groups	September 2–5, 1996

Contact:

M.I.T. GmbH

Promenade 9

52076 Aachen

Germany

Phone: +49 / 2408 / 945814

Fax: +49 / 2408 / 94582

e-mail: [mn@mitgmbh.de](mailto:mn@mitgmbh.de)

WWW: <http://www.mitgmbh.de>

### 9 – 13 September, 1996

#### **From Animals to Animats: Fourth International Conference on Simulation of Adaptive Behavior (SAB96) Cape Cod, Massachusetts (v9n31)**

The objective of the conference is to bring together researchers in ethology, psychology, ecology, artificial intelligence, artificial life, robotics, and related fields so as to further our understanding of the behaviors and underlying mechanisms that allow natural and artificial animals to adapt and survive in uncertain environments.

The conference will focus particularly on well-defined models, computer simulations, and robotics demonstrations, in order to help characterize and compare various organizational principles or architectures capable of inducing adaptive behavior in real animals or synthetic agents.

Authors should make every effort to suggest implications of their work for both natural and artificial animals. Papers which do not deal explicitly with adaptive behavior will be rejected.

Important Dates:

Feb 9, 1996: Submissions must be received

Apr 12: Notification of acceptance or rejection (via email)

May 10: Camera ready revised versions due

Jun 10: Early registration deadline

Aug 8: Hotel reservations and regular registration deadline

Sep 9-13: Conference dates

Conference Chair:

Pattie Maes, Program

MIT Media Lab

20 Ames Street, Rm 305

Cambridge, MA 02139

USA

e-mail: [pattie@media.mit.edu](mailto:pattie@media.mit.edu)

General queries to: [sab96@cs.brandeis.edu](mailto:sab96@cs.brandeis.edu)

WWW Page:

<http://www.cs.brandeis.edu/conferences/sab96>

### 15 – 20 September, 1996

#### **1996 World Congress on Neural Networks San Diego, CA. (v9n62)**

Session on Evolutionary/Genetic/Annealing Algorithms

Possible topics for paper submissions to this session include (but are not limited to):

Evolutionary Synthesis of Neural Systems

Evolutionary Design of Intelligent Agents

Evolutionary Robotics

Evolutionary Design of Neurocontrollers

Evolutionary/Neural Hybrid Systems

Randomized Search Algorithms for Learning and Optimization

Symbiotic Evolution of Neural Architectures

Evolution of Language and Communication

Genetic Representations of Neural Networks

Evolution of Neural Network Learning Algorithms

Evolution of Modular Neural Network Architectures

Evolutionary Multi-criteria Optimization of Neural Architectures

Evolution synthesis of Energy-Efficient VLSI Neural Systems

Both theoretical as well as experimental papers are welcome. All submissions will be reviewed by anonymous referees.

Papers must be received by January 15, 1996 at: WCNN '96

875 Kings Highway, Suite 200  
Woodbury, NJ 08096-3172, U.S.A.

Additional information on WCNN '96 is available on the Web via the URL  
<http://sharp.bu.edu/inns/WCNN/96call.html>

Contact:

Vasant Honavar  
Artificial Intelligence Research Group  
Department of Computer Science  
226 Atanasoff Hall  
Iowa State University  
Ames, Iowa 50011-1040  
email: [honavar@cs.iastate.edu](mailto:honavar@cs.iastate.edu)  
www: <http://www.cs.iastate.edu/~honavar/homepage.html>  
fax: (515) 294-0258  
voice: (515) 294-1098

**22 - 27 September, 1996**

**Parallel Problem Solving from Nature, Berlin, Germany (v9n17).**

Natural computation is a common name for the design and theoretical and empirical understanding of algorithms gleaned from nature. Characteristic for natural computation is the metaphorical use of concepts, principles and mechanisms underlying natural systems. Examples are genetic algorithms, evolutionary programming and evolution strategies inspired by the evolutionary processes of mutation, recombination, and natural selection in biology, simulated annealing inspired by many-particle systems in physics, growth processes in nature and economics and algorithms inspired by multi-cellular systems like neural and immune networks.

Topics of particular interest include, but are not

limited to: evolution strategies, evolutionary programming, genetic algorithms and classifier systems, other forms of evolutionary computation, simulated annealing, neural and immune networks, machine learning and optimization using these methods, their relations to other learning paradigms, and mathematical description of their behavior.

Contact:

H.-M. Voigt  
Conference Co-Chair  
Technical University of Berlin  
Ackerstr. 71-76 (ACK1)  
D-13355 Berlin  
Germany  
Tel.: +49-30-314 72677  
Fax: +49-30-314 72658  
e-mail: [voigt@fb10.tu-berlin.de](mailto:voigt@fb10.tu-berlin.de)

**25 – 27 September, 1996**

**Third International Colloquium on Grammatical Inference (ICGI-96), Montpellier, France (v9n45)**

ICGI 96 keeps aiming to provide a forum for discussion of principles, theory and applications of all those aspects of Machine Learning that explicitly focus on Grammars and Languages. Within this framework, topics of interest include, but are not limited to, the following:

- Learning Paradigms for Grammars and languages: Cognitive models, Algebraic aspects, Identification in the limit and PAC-Learning; Stochastic and Corpus-based approaches, Neural Networks, Genetic Algorithms, Fuzzy systems, etc.
- Algorithms.
- Heuristics.
- Benchmarks.
- Applications: Natural Language Processing, Language Translation; Biological Sequences and Time Series Modelization and Prediction; Image and Speech Recognition, Discrete Events Systems, etc.

Information on ICGI'96 is on the www page:  
<http://itkwww.kub.nl:2080/itk/Docs/Projects/Walter/icgi.html>

## Electronic Forums and Other EC-Related Activities

### Contact:

Laurent Miclet

Ecole Nationale Supérieure de Sciences  
Appliquées et Technologie

BP 447 - 6, Rue de Krampont

22305 LANNION Cedex FRANCE

Tel: +33 96 46 66 28

Fax: +33 96 37 01 99

e-mail: miclet@merlin.enssat.fr