

# Newsletter 21

Dear IAPR TC10 members and supporters...

ICPR, SSPR and (last but not least!!) DAS are now over for this year. It was an interesting series of events, and I will come back and report about these events and give some infos about the next major events in graphics recognition and document analysis a little bit later. I just thought to send out a first issue of TC10 news just to keep you updated on a number of calls and announces I have received these last weeks for dissemination. In this way, TC10 news hopefully will not be too voluminous and we can concentrate in #22 on reports from the workshops and future plans.

I also use this opportunity to welcome a number of new members of this mailing list; during these conference weeks I met several people who showed interest in one way or the other for the field of graphics recognition; I also added some other names whose presented papers definitely are related to TC10.

So this issue is just announcements...

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First, we have the final call for papers for ICIAP'95, and IAPR event in Italy where document analysis is explicitly mentioned as an application domain:  
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>From: ICIAP 95 <[iciap@dist.dist.unige.it](mailto:iciap@dist.dist.unige.it)>  
>Subject: 8th ICIAP Final Call  
>Date: Tue, 18 Oct 94 15:10:32 MET

## FINAL CALL FOR PAPERS

8th INTERNATIONAL CONFERENCE ON  
IAPR IMAGE ANALYSIS AND PROCESSING ICIAP '95

Sanremo, Italy, September 13-15, 1995

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## GENERAL CHAIRS SCIENTIFIC CHAIR PROGRAM CHAIR

L. De Floriani C. Braccini G. Musso  
G. Vernazza Univ. of Genova, Elsas Bailey,  
Univ. of Genova, Italy. Italy.  
Italy.

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B. Zavidovique, F

## ORGANIZED BY

\* University of Genova  
DIBE - Dpt. of Biophysical and Electronic Engineering  
DISI - Dpt. of Computer and Information Sciences  
DIST - Dpt. of Communication, Computer and System Science  
\* Elsas Bailey

The 8th International Conference on Image Analysis and Processing is organized by three Departments of the University of Genova and by Elsas Bailey on behalf of the Italian Chapter of the International Association for Pattern Recognition.

## SCIENTIFIC PROGRAM

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The scientific program will include the presentation of invited talks and contributed papers. The goal of the 8th ICIAP is to provide a discussion forum for researchers and practitioners interested in pattern recognition, image processing, computer vision, shape and object representation and other related topics.

## CONFERENCE TOPICS

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Original and unpublished papers dealing both with theoretical and applied

aspects in the following fields are welcome.

1. Image Processing

Low Level (feature extraction, filtering, segmentation), Coding, Signal Processing, Neural Approaches.

2. Image Understanding

Shape and Texture, Motion Analysis, Statistical and Structural Pattern Recognition, Perception and Spatial Reasoning, Active Methods, Data Fusion.

3. Image Synthesis

Geometric Modeling, Pictorial Simulation, Animation, Virtual Reality.

4. Image Architectures

Embedded Architectures, Host Architectures, Intelligent Capture and VLSI.

5. Image Languages and DBMS

Image Management, Procedural Languages, Visual Languages.

6. Application Domains

Astronomy, Biomedical, Document Analysis, Industrial Automation, Remote Sensing, Robotics, Entertainment.

INVITED SPEAKERS

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Invited lectures will be given by H. Bunke (Universitat Bern), A. Jain (Michigan University), M. D. Levine (McGill University), G. Nagy (Rensselaer Polytechnic Institute), A. N. Netravali (AT&T Bell Labs), L. Shapiro (University of Washington).

PAPER SUBMISSION AND REVIEWING PROCESS

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Authors should submit four copies of a full paper to

Leila De Floriani - ICIAP '95  
DISI - University of Genova  
Viale Benedetto XV, 3 I -16132 Genova (Italy).

Paper length is typically four A4 and cannot exceed six A4 pages. The first page should be anonymous, containing only the title of the paper, a 200-words abstract and 3-5 keywords. A separate page including the title, the name(s) and affiliation(s) of the author(s), the abstract, the keywords and the addressed topic of the conference must accompany the paper. Papers submitted by fax or e-mail will not be reviewed.

IMPORTANT DATES

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January 2, 1995 Deadline for submission of contributions  
March 31, 1995 Notification of acceptance  
May 6, 1995 Camera ready paper due

Each paper will be reviewed by at least two members of the Scientific Committee using a blind procedure. Accepted papers will be discussed in an oral presentation or presented as posters. All presented contributions will be included in the proceedings volume published by Springer-Verlag in the Lecture Notes in Computer Science series in time for the Conference.

CONFERENCE VENUE

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Sanremo is one of the Ligurian riviera's highlights, lively and entertaining. It features a beautiful palm-lined promenade looking out over a wide bay; among its attractions the famous Casino and Villa Nobel. Good railway links to the international airports of Genova (140Km) and Nice (60Km). The conference will be held at the roof garden of the Teatro Ariston.

SOCIAL PROGRAM

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The planned social activities include a get-together party and a conference banquet. Tours to Sanremo Surroundings (Riviera dei Fiori, Bordighera, Imperia) will be organized for accompanying persons.

REGISTRATION FEE

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The registration fee (in Italian Liras) includes admission to the scientific session, coffee breaks, the get-together party and the conference banquet dinner:

Before 31.05.95 After 31.05.95  
Student (without Conference proceedings) 150 000 200 000  
Student (with Conference proceedings) 220 000 280 000

IAPR, AEI or IEEE members 420 000 450 000  
Other participants: 470 000 500 000

#### LOCAL ARRANGEMENTS AND ACCOMODATION

Accommodation information is provided by Consorzio Sanremo Congressi Turismo which will take care of hotel reservations.

Consorzio Sanremo Congressi Turismo  
Corso Cavallotti, 51 I-18038 Sanremo (IM), Italy  
Phone +39 184 530719 Fax +39 184 574574

#### FURTHER INFORMATION

For further information please contact the 8th ICIAP secretariat by e-mail ([iciap@dibe.unige.it](mailto:iciap@dibe.unige.it)) or by fax (+39 10 3538028 / +39 10 3532134).

#### SPONSORED BY

\* IEEE - Institute of Electrical and Electronics Engineers  
(North Italy Section)  
\* EURASIP - European Association for Signal Processing  
\* AEI - Electrical and Electronics Engineers Association  
(Ligurian Chapter)

#### CONCOMITANT EVENTS

During the week following ICIAP '95, participants will have the opportunity to attend the Computer Architectures for Machine Perception Conference (CAMP '95) to be held in Como, September 18-20. For additional information please contact the General Chairman, Prof. V. Cantoni, fax +39 382 505373, e-mail [cantoni@ipvmv1.unipv.it](mailto:cantoni@ipvmv1.unipv.it).

Then, we have the second CFP for ICCV'95, a major event in computer vision next year. Note that there is also information about associated workshops, some of which may be of special interest to our community (for instance, the workshop on context-based vision suggests the use of maps to constrain recognition in scene analysis -- this is a topic in which I have personally an interest, with my background in document analysis, and I believe we will see in the coming years more interactions between maps analysis and computer vision).

>From: [welg@ai.mit.edu](mailto:welg@ai.mit.edu) (W. Eric L. Grimson)  
>Subject: Call for Papers -- ICCV  
>Date: Thu, 20 Oct 94 13:13:22 EDT

#### SECOND CALL FOR PAPERS

FIFTH INTERNATIONAL CONFERENCE ON COMPUTER VISION  
Massachusetts Institute of Technology  
Cambridge, Massachusetts  
June 20--23, 1995

Note that information on associated workshops is attached at the end of this call.

General Chair: Eric Grimson  
Artificial Intelligence Lab  
545 Technology Square  
MIT  
Cambridge MA 02139  
[welg@ai.mit.edu](mailto:welg@ai.mit.edu)  
617-253-5346  
Fax: 617-258-6287

Program Co-Chairs: Steve Shafer Andrew Blake Kokichi Sugihara  
Dept. of Comp. Sci Dept. of Eng. Sci Dept. of Math. Eng.  
Carnegie Mellon Univ Univ. of Oxford Univ. of Tokyo  
Pittsburgh PA 15213 Oxford OX1 3PJ, UK 7-3-1 Hongo, Bunkyo-ku  
Tokyo 113, Japan

[sas@cs.cmu.edu](mailto:sas@cs.cmu.edu) [ab@robots.ox.ac.uk](mailto:ab@robots.ox.ac.uk) [sugihara@simplex.t.u-tokyo.ac.jp](mailto:sugihara@simplex.t.u-tokyo.ac.jp)

THE PROGRAM: will consist of a single track of highest quality previously unpublished contributed papers, delivered either orally or as a poster. Contributions are sought on new research on any aspect of computer vision, including but not restricted to the following:

Physics based vision  
Integration of modules and cues  
Active and real-time vision  
CAD-based vision  
Motion analysis  
Stereo  
Shape and object representation  
Object recognition

Vision-guided robotics  
Medical computer vision  
Learning in computer vision  
Segmentation, grouping  
Low level processing  
Systems and applications  
Invariants, geometry

#### PAPER SUBMISSION:

Four copies of complete manuscripts should be received no later than NOVEMBER 15, 1994 by the general chair at the address listed above. By submitting a paper to ICCV, the author(s) warrant that it (and any related paper with essentially the same technical content) has not been and will not be submitted to any other conference during the ICCV review period.

The manuscript should include the following (in this order):

(1) Title page -- containing the names and addresses of the authors (including e-mail), an abstract of up to 200 words, and one or more categories as listed above or other keywords that can be used to match submissions to reviewers.

(2) Second Title page -- with just the title and abstract (authors and institution not identified).

(3) Summary page -- attach answers to the following questions (please answer each separately):

(3.1) What is the original contribution of this work?

(3.2) Why should this contribution be considered important?

(3.3) What is the most closely related work by others and how does this work differ?

(3.4) How can other researchers make use of the results of this work?

(4) Paper -- no more than 30 pages (double-spaced, 12 point font) including text, figures, references.

As has been customary with ICCV, all reviewing will be double blind.

Sponsored by the IEEE Computer Society.

#### PROGRAM COMMITTEE

Minoru Asada Osaka Nicholas Ayache INRIA  
Michael Black Xerox Aaron Bobick MIT  
Chris Brown Rochester Heinrich Bulthoff Max Planck  
Peter Burt Sarnoff Bernard Buxton GEC  
Larry Davis Maryland Jim Duncan Yale  
Jan-Olof Eklundh KTH Olivier Faucher INRIA  
Frank Ferrie McGill Brian Funt Simon Fraser  
Jonas Garding KTH Allen Hanson U Mass  
Bob Haralick Washington Bob Hummel NYU  
Dan Huttenlocher Cornell Katsushi Ikeuchi CMU  
Anil Jain Michigan State Ramesh Jain UCSD  
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Takashi Matsuyama Okayama Gerard Medioni USC  
Roger Mohr LIFIA Hans-Hellmut Nagel Fraunhofer Inst.  
Shree Nayar Columbia Yuichi Ohta Tsukuba  
Robyn Owens Western Australia Pietro Perona Caltech  
Jean Ponce Illinois Giulio Sandini Genoa  
Takeshi Shakunaga NTT Rick Szeliski DEC  
Demetri Terzopoulos Toronto Carlo Tomasi Stanford  
Saburo Tsuji Wakayama Shimon Ullman Weizmann  
Luc Van Gool Leuven Alessandro Verri Genoa  
Daphna Weinshall Hebrew Andrew Zisserman Oxford

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#### CALL FOR PAPERS

IEEE WORKSHOP ON PHYSICS-BASED MODELING IN COMPUTER VISION  
MIT, Cambridge, MA June 18-19, 1995

The purpose of this workshop, held in conjunction with ICCV'95, is to foster dialogue and debate through panels and previously unpublished contributed papers on all aspects of physics-based modeling in computer vision. Suggestive themes for submitted papers, spanning dynamic shape/motion models, image formation models, and applications, include:

Deformable Models  
Shape Segmentation, Estimation, Matching, Evolution  
Nonrigid and Rigid Motion Estimation  
Object Tracking  
Multiview, Multimodality Integration

Color, Reflectance  
Specularity  
Inter-Reflections  
Photometric Stereo  
Image Formation and Sensing

Biomedical Applications  
Image Understanding  
Real-Time Applications  
Analysis-by-Synthesis  
Remote Sensing

#### PAPER SUBMISSION

Four copies of complete manuscripts should be received no later than  
TUESDAY, JANUARY 10, 1995  
at the address:  
Dimitri Metaxas,  
Dept. of Computer and Information Science,  
University of Pennsylvania,  
200 South 33rd St., Philadelphia, PA 19104-6389, U.S.A.

#### PAPERS SHOULD INCLUDE

- 1) A title page containing the names and addresses of the authors (including e-mail), an abstract of up to 200 words, and one or more categories as listed above or other keywords,
- 2) A second title page - title and abstract only (to allow for double blind reviewing),
- 3) Paper - limited to 25 double-space pages (11 points, 1 inch margins), including figures, references, etc.

NOTIFICATION OF ACCEPTANCE: March 1, 1995  
FINAL MANUSCRIPTS DUE AT IEEE: April 10, 1995.

#### GENERAL CHAIRS

Thomas S. Huang Dimitri Metaxas  
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#### PROGRAM CHAIR

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#### PROGRAM CO-CHAIRS

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#### \*\*CALL FOR PAPERS\*\*

IEEE WORKSHOP on CONTEXT-BASED VISION  
(In Conjunction with ICCV)  
Massachusetts Institute of Technology  
Cambridge, Massachusetts  
June 19, 1995

Co-Chairs: Joseph L. Mundy Tom Strat  
GE Corporate R&D SRI International  
Schenectady, NY Menlo Park, CA  
[mundy@crd.ge.com](mailto:mundy@crd.ge.com) [strat@ai.sri.com](mailto:strat@ai.sri.com)

This workshop aims to stimulate and exchange research ideas on the use of context and stored knowledge for the development of reliable computer vision systems. Most current research on computer vision seeks automated methods for extracting information from imagery without the use of a priori information, except perhaps some knowledge of the image acquisition (camera model, light source, etc). Such approaches are very general, but have not yet proven capable of coping with the wide range of variability encountered in real world scenes.

Another school of thought seeks to increase the robustness of computer vision systems by adopting more restrictive assumptions. The use of specific prior information about the geometry, photometry, and semantic constraints in a scene can permit reliable visual understanding by

relatively simple vision algorithms.

There are many applications in which the existence of prior scene knowledge is readily available or easily obtainable and provides context for selecting and conditioning computer vision algorithms. For example:

- Maps or 3D geometric scene models constrain recognition and change detection algorithms.
- Incrementally compiled world maps aid image interpretation for mobile robots.
- Anatomical descriptions guide analysis of medical imagery.
- Manual graphical annotations aid semiautomated computer vision tasks.
- Linguistic descriptions of scenes can be used to focus search

The key questions to be discussed at this workshop are:

- \* What contextual information, if made available beforehand, could best enhance the reliability of computer vision systems?
- \* How can computer vision algorithms be designed to best exploit prior knowledge about a scene?

Workshop Format:

The workshop program will be formed from invited and contributed papers. It is expected there will be 25-30 attendees with a program of about 10 papers. The papers will be 30 minutes each including a 5 minute question period. A published proceedings will be available at the workshop.

Program Committee:

Tom Strat Joseph Mundy Eamon Barrett Kim Boyer  
SRI Int. GE Corp R&D Lockheed Corp. Ohio State

Dan Huttenlocher Avi Kak Laveen Kanal Mike Kelly  
Cornell Univ. Purdue Univ. LNK Associates BDM

Jean Ponce Azriel Rosenfeld Demetri Terzopoulos Ed Zelnio  
Univ. of Illinois Univ. of Maryland Univ. of Toronto Wright Labs

Submission:

Please submit three(3) copies of your manuscript to:  
Tom Strat  
SRI International  
333 Ravenswood Avenue  
Menlo Park, CA 94025

The deadline for submission is January 16, 1995  
Notification of acceptance: March 1, 1995  
Final Manuscripts due at IEEE: April 3, 1995

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#### CALL FOR PAPERS

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IEEE Workshop on Shape and Pattern Matching  
in Computational Biology  
Massachusetts Institute of Technology  
Cambridge, Massachusetts  
June 19th 1995  
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The purpose of this workshop is to foster dialog and debate on some fundamental unsolved issues in pattern matching and shape representation applied to the molecular biology domain.

This one day workshop will be held in conjunction with the 1995 International Conference on Computer Vision.

The program will consist of the highest quality, previously unpublished, contributed papers on all aspects of pattern analysis, pattern and shape matching, and shape representation that have direct application in molecular biology and genetics. A suggested and non-exclusive list of possible topics is:

DNA/Protein Sequence Search and Classification  
Protein Structural Matching  
Multiple Alignment of Genetic Sequences  
3D Protein Modeling  
3D Molecular Matching and Docking,  
Pattern Matching Issues in Protein Folding  
Pattern Matching Issues in Drug Design

#### PAPER SUBMISSION

Four copies of each complete manuscript should be received by Wednesday March 1st, 1995 at the following address:  
Andrea Califano/IBM T.J.Watson Research Center/30 Saw Mill River Road/ Hawthorne, NY 10532.  
Papers should include

1. A title page containing the names and addresses of the authors (including e-mail and FAX), an abstract of up to 200 words, and one or more categories as listed above or other keywords.

2. A second title page with title and abstract only, no author names (for double blind reviewing).

3. Up to 25 double-space pages (11 points, 1 inch margin), including figures, references, etc.

GENERAL CHAIR PROGRAM CO-CHAIR PROGRAM CO-CHAIR  
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TJ Watson Res.Center Computer Science Dpt. TJ Watson Res. Center  
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[acal@watson.ibm.com](mailto:acal@watson.ibm.com) [wolfson@math.tau.ac.il](mailto:wolfson@math.tau.ac.il) [rigoutso@watson.ibm.com](mailto:rigoutso@watson.ibm.com)

#### PRELIMINARY PROGRAM COMMITTEE

Stephen Altschul - National Center for Biotechnology Information  
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Toni Kazic - Washington University at St. Louis  
Tomas Lozano-Perez - MIT  
Jacob Maizel - Nat. Cancer Inst. (NIH)  
Dinesh Manocha - U. of North Carolina, Chapel Hill  
Ruth Nussinov - Tel Aviv U., Israel  
Chris Sander - EMBL, Heidelberg, Germany.  
Gary Stormo - U. of Colorado, Boulder  
Granger Sutton - Institute for Genomic Research  
Edward Uberbacher - Oak Ridge National Laboratories  
John Vournakis - Dartmouth University  
Peter Willet - University of Sheffield, UK

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I also received a CFO for a conference to be held in Hong Kong in the end of December 1995. Document analysis and character recognition are explicitly mentioned in the topical image analysis applications.

>Date: Sun, 16 Oct 94 15:17:24 HKT  
>From: [cmlee@cs.ust.hk](mailto:cmlee@cs.ust.hk) (DR. C.M. LEE)  
>Subject: Call for Papers - ICSC'95

ICSC '95 - Third International Computer Science Conference:  
Image Analysis Applications and Computer Graphics  
Hong Kong, December 11-13, 1995

#### CALL FOR PAPERS

ICSC '95 is the Third International Conference on Computer Science to be held in Hong Kong. Its purpose is to provide a forum for scientific interchange among computer scientists and engineers from all over the world, especially from the Asia-Pacific region. This conference will focus on a broad spectrum of research topics related to image analysis applications and computer graphics. Topics of interest include, but are not limited to, the following:

#### IMAGE ANALYSIS APPLICATIONS COMPUTER GRAPHICS

Industrial Visual Inspection Natural Phenomenon Modeling  
Vision for Robotic Applications Shading & Rendering Algorithms  
3D or Color Imaging in Inspection Image Synthesis & Realism  
Document Image Processing Computer Animation  
Printed Character Recognition Graphics for CAD/CAM  
Cursive Script Recognition Graphics in Education  
Map & Drawing Analysis Graphics & the Arts  
Biomedical Image Analysis Graphics in Simulation  
Image Analysis for Multimedia Scientific Visualization  
Remote Sensing Image Analysis Virtual Reality  
Software & Novel Systems Graphics in Multimedia

#### SUBMISSION OF PAPERS:

Authors are requested to submit manuscripts (in English) of no more than 5000 words describing original results of their research work. Papers should be double-spaced and printed with high-quality printers using type size of 11-point or larger. Each copy of the paper should have a cover page containing the title of the paper, names and addresses of the authors, and an abstract of no more than 200 words. Unless specified otherwise, correspondence will be directed to the first author listed. Four hard copies of each paper should be sent with a cover letter to:

Professor Roland T. Chin

Department of Computer Science  
Hong Kong University of Science and Technology  
Clear Water Bay, Hong Kong  
E-mail: [icsc@cs.ust.hk](mailto:icsc@cs.ust.hk)  
Fax: +852 358-1477

TUTORIALS:

Tutorial sessions will be held during the conference. Proposals for tutorials on the state of the art of image analysis and computer graphics should be sent to the Program Chair.

IMPORTANT DATES:

Paper/Tutorial Submission Deadline: April 17, 1995  
Notification of Acceptance: July 17, 1995  
Camera-Ready Copy Due: September 15, 1995

General Chair: Horace Ip (City Polytechnic of Hong Kong)

Program Chair: Roland Chin (U. of Wisconsin & HKUST)

International Program Committee:

Graphics Program Co-Chair: Avi Naiman (HKUST)

John Amanatides (York U.)  
Tony Derosé (U. of Washington)  
Eugene Fiume (U. of Toronto)  
Alain Fournier (U. of British Columbia)  
Martin Gvbel (FhG-IGD)  
Pat Hanrahan (Princeton U.)  
Tosiyasu Kunii (U. of Aizu)  
Eihachiro Nakamae (Hiroshima Prefectural U.)  
Qunsheng Peng (Zhejiang U.)  
Demetri Terzopoulos (U. of Toronto)  
Keith Waters (Digital Equip. Corp.)  
Geoff Wyvill (U. of Otago)  
Michael Zyda (Naval Postgraduate School)

Image Analysis Program Co-Chair: T.C. Pong (U. of Minnesota & HKUST)

Jake Aggarwal (U. of Texas)  
Narendra Ahuja (U. of Illinois)  
Terry Caelli (Curtin U. of Technology)  
Francis Chin (U. of Hong Kong)  
Charles Dyer (U. of Wisconsin)  
Robert Haralick (U. of Washington)  
Thomas Huang (U. of Illinois)  
Anil Jain (Michigan State U.)  
Josef Kittler (U. of Surrey)  
Song De Ma (Inst. of Automation, Beijing)  
Linda Shapiro (U. of Washington)  
Yoshiaki Shirai (Osaka U.)  
Ching Y. Suen (Concordia U.)  
Saburo Tsuji (Osaka U.)  
Andrew Wong (U. of Waterloo)  
Guang-You Xu (Tsinghua U.)

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Ronald Chung (Chinese U. of Hong Kong)  
John C.M. Lee (HKUST)  
Andrew Layfield (City Poly. of Hong Kong)  
Karl Leung (Hong Kong Polytechnic)  
Andrew Luk (City Poly. of Hong Kong)  
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H.F. Ting (U. of Hong Kong)  
Tong Lee (Chinese U. of Hong Kong)  
H.T. Tsui (Chinese U. of Hong Kong)

Sponsored by the IEEE Hong Kong Section, Computer Chapter.  
In cooperation with the ACM (HK) and International Association for Pattern Recognition.

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Finally, here comes the CFP for the Seventh Portuguese Conference on AI, EPIA'95:  
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>Date: Tue, 18 Oct 94 10:55:43 +0000  
>From: [njm@cupido.inesc.pt](mailto:njm@cupido.inesc.pt)  
>Subject: EPIA'95 - Conference CFP

EPIA'95 - CALL FOR PAPERS

SEVENTH PORTUGUESE CONFERENCE  
ON  
ARTIFICIAL INTELLIGENCE

Funchal, Madeira Island, Portugal  
October 3-6, 1995  
(Under the auspices of the Portuguese Association for AI)



The Seventh Portuguese Conference on Artificial Intelligence (EPIA'95) will be held at Funchal, Madeira Island, Portugal, on October 3-6, 1995. As in previous issues ('89, '91, and '93), EPIA'95 will be run as an international conference, English being the official language. The scientific program encompasses tutorials, invited lectures, demonstrations, and paper presentations. Five well known researchers will present invited lectures. The conference is devoted to all areas of Artificial Intelligence and will cover both theoretical and foundational issues and applications as well. Parallel workshops on Expert Systems, Fuzzy Logic and Neural Networks, and Applications of A.I. to Robotics and Vision Systems will run simultaneously (see below).

#### INVITED LECTURERS

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The following researchers have already confirmed their participation, as guest speakers:

Marvin Minsky, MIT (USA)  
Manuela Veloso, CMU (USA)  
Luis Borges de Almeida, IST (Portugal)  
Rodney Brooks, MIT (USA)

#### SUBMISSION OF PAPERS

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Authors must submit five (5) complete printed copies of their papers to the "EPIA'95 submission address". Fax or electronic submissions will not be accepted. Submissions must be printed on A4 or 8 1/2"x11" paper using 12 point type. Each page must have a maximum of 38 lines and an average of 75 characters per line (corresponding to the LaTeX article-style, 12 point). Double-sided printing is strongly encouraged. The body of submitted papers must be at most 12 pages, including title, abstract, figures, tables, and diagrams, but excluding the title page and bibliography.

#### ELECTRONIC ABSTRACT

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In addition to submitting the paper copies, authors should send to [epia95-abstracts@inesc.pt](mailto:epia95-abstracts@inesc.pt) a short (200 words) electronic abstract of their paper to aid the reviewing process. The electronic abstract must be in plain ASCII text (no LaTeX) in the following format:

TITLE: <title of the paper>  
FIRST AUTHOR: <last name, first name>  
EMAIL: <email of the first author>  
FIRST ADDRESS: <first author address>  
COAUTHORS: <their names, if any>  
KEYWORDS: <keywords separated by commas>  
ABSTRACT: <text of the abstract>

Authors are requested to select 1-3 appropriate keywords from the list below. Authors are welcome to add additional keywords descriptors as needed. Applications, agent-oriented programming, automated reasoning, belief revision, case-based reasoning, common sense reasoning, constraint satisfaction, distributed AI, expert systems, genetic algorithms, knowledge representation, logic programming, machine learning, natural language understanding, nonmonotonic reasoning, planning, qualitative reasoning, real-time systems, robotics, spatial reasoning, theorem proving, theory of computation, tutoring systems.

#### REVIEW OF PAPERS

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Submissions will be judged on significance, originality, quality and clarity. Reviewing will be blind to the identities of the authors. This requires that authors exercise some care not to identify themselves in their papers. Each copy of the paper must have a title page, separated from the body of the paper, including the title of the paper, the names and addresses of all authors, a list of content areas (see above) and any acknowledgments. The second page should include the same title, a short abstract of less than 200 words, and the exact same contents areas, but not the names nor affiliations of the authors. This page may include text of the paper. The references should include all published literature relevant to the paper, including previous works of the authors, but should not include unpublished works of the authors. When referring to one's own work, use the third person. For example, say "previously, Peter [17] has shown that ...". Try to avoid including any information in the body of the paper or references that would identify the authors or their institutions. Such information can be added to the final camera-ready version for publication. Please do not staple the title page to the body of the paper. Submitted papers must be unpublished.

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The proceedings will be published by Springer-Verlag (lecture notes in A.I. series). Authors will be required to transfer copyright of their paper to Springer-Verlag.

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In the framework of the conference three workshops will be organized: Applications of Expert Systems, Fuzzy Logic and Neural Networks in Engineering, and Applications of Artificial Intelligence to Robotics and Vision Systems. Real world applications, running systems, and demos are welcome.

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