

# Newsletter 14

Hello everybody,

I wanted to wait a little bit more in order to relay to you fresh information about DAS'94 (we had a program committee meeting recently) and report about the Las Vegas symposium. Unfortunately, everything isn't cleared yet to give this info, and in the middle-time so many other informations came in that I prefer sending out this TC10 news now.

First, you may remember that TC10 is one of the sponsors of the MVA'94 workshop. Here comes the final call for papers:

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Final Announcement

CALL FOR PAPERS

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MVA'94: IAPR Workshop on Machine Vision Applications  
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December 13-15, 1994  
Kawasaki-shi Sangyou Shinkou Kaikan  
Kawasaki, Japan

The International Association for Pattern Recognition (IAPR) announces the 4th IAPR International Workshop on Machine Vision Applications to be held in Kawasaki on December 13-15, 1994.

The workshop is sponsored by the IAPR Technical Committees 6, 8, and 10. The purpose of the workshop is to bring together researchers and practitioners from both academia and industry, and to exchange their knowledge and stimulate each other through intensive discussions on the following research topics.

Machine Vision and its Applications

Machine Vision Algorithms  
Feature extraction, Range data / 3D shapes, Motion / Image sequence analysis, Neural network applications, Color image analysis, AI-based vision, Human interface, and related technologies.

Special Purpose Architectures  
Intelligent sensors, VLSI image processor chips, Massively parallel processing, Architectures for 3D and/or motion processing, Image processing systems, Software environment for image processor, and related technologies.

Industrial Applications

Factory automation, Disaster prevention and rescue, Security control, Navigation, Mobile robots, Civil and construction engineering, Agriculture/Forestry/Fishery, Other applications, and related technologies.

Document, Map and Line Drawing Processing  
Document image processing, Drawing recognition, Multimedia database, Map and engineering drawing database, Map processing and map-based systems, 3D reconstruction from maps or drawings, and related technologies.

Invited Talks:

Prof. Per-Erik DANIELSON (Linkoping University)  
"3D cone-beam tomography for non-destructive testing"

Prof. Dov DORI (Technion - Israel Inst. of Tech.)  
"The Object-Process Paradigm and its Application to Machine Vision"

Prof. Josef KITTLER (Surrey University )  
"Detection of defects in colour texture surfaces"

The workshop will include several invited talks and about 100 papers for oral and poster presentations on the above topics. All presentations will be in English. Those who wish to present a paper are requested to submit four copies of a 500-1000 word extended abstract with at least one main figure by June 15, 1994 to:

Prof. Mikio Takagi  
Institute of Industrial Science  
University of Tokyo  
7-22-1 Roppongi, Minato-ku, Tokyo 106, Japan  
FAX: +81-3-3402-6226

The abstract should contain the following in its first page.

- 1) Title of the paper
- 2) Author name(s) and his/her(their) affiliation(s)
- 3) A person's name and address to be contacted,

also, phone and fax numbers, Email address if available

4) Answers to the following questions:

- a) What is the original contribution of this work?
- b) Why should this contribution be considered important?

Authors of papers that are accepted will be notified by August 10, 1994. Final camera-ready papers are due by October 1, 1994.

Registration fee for one person:

Payment received by Nov. 30, 1994 38,000yen

Payment received after Nov. 30, 1994 45,000yen

Notice: International Technical Exhibition on Image Technology and Equipment will be held in Tokyo, near the workshop site, on December 7-9, 1994. All participants for the workshop are encouraged to visit the exhibition.

#### WORKSHOP ORGANIZATION

Workshop Co-chairs:

Mikio TAKAGI (Univ. of Tokyo)

Akira MAEDA (Mitsubishi Electric)

Organizing Chair:

Masakazu EJIRI (Hitachi)

Organizing Committee:

Pieter JONKER (Delft Univ. of Tech.) (IAPR TC-6 Chairman)

Jorge SANZ (Univ. of Illinois at Urbana-Champaign)

(IAPR TC-8 Chairman)

Karl TOMBRE (INRIA) (IAPR TC-10 Chairman)

Program Chair:

Shinji OZAWA (Keio Univ.)

Program Committee:

Minoru ASADA (Osaka Univ.)

Hidenobu ARITA (Nippon Steel)

Dov DORI (Technion - Israel Inst. of Tech.)

Kiyoshi IWATA (Fujitsu General)

Pieter JONKER (Delft Univ. of Tech.)

Masatsugu KIDODE (Toshiba)

Theo PAVLIDIS (SUNY at Stony Brook)

Dragutin PETKOVIC (IBM Almaden)

Katsuhiko SAKAUE (ETL)

Jorge SANZ (Univ. of Illinois at Urbana-Champaign)

Takeshi SHAKUNAGA (NTT)

Shigeyoshi SHIMOTSUJI (Toshiba)

Yasuhito SUENAGA (NTT)

Johji TAJIMA (NEC)

Masao TAKATOO (Hitachi)

Hidekazu TSUJI (Mitsubishi Electric)

For further information, please contact:

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PHONE: +81-3-3479-0289 FAX: +81-3-3402-6226

EMAIL: [takagi@tkl.iis.u-tokyo.ac.jp](mailto:takagi@tkl.iis.u-tokyo.ac.jp)

From: Name .....

Address .....

.....

FAX .....

EMAIL .....

(Please tick if appropriate)

I wish to receive further information and registration form.

I intend to participate in the workshop.

I intend to submit a paper.

The tentative title of the paper is: .....

.....

Then I got a preliminary call for papers for the next IAPR ICIAP conference; note that document analysis is explicitly mentioned:

#### PRELIMINARY CALL FOR PAPERS

IAPR 8th International Conference on ICIAP '95  
Image Analysis and Processing

Sanremo, Italy, September 13-15, 1995



General Chairs The 8th International Conference on Image Analysis and L. De Floriani Processing is organized jointly by three Departments of G. Vernazza the University of Genova and by Elsag-Bailey on behalf University of the Italian Chapter of the International Association Genova, Italy for Pattern Recognition.

#### Scientific Program

##### Scientific Chair

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

G. Musso

Elsag-Bailey,

Italy Conference Topics

Original and unpublished papers dealing with Scientific theoretical and application aspects in the following Committee fields are welcome.

J.K. Aggarwal, USA

C. Arcelli, I 1. Image Processing

V. Cantoni, I Low Level (feature extraction, filtering,

V. Cappellini, I segmentation), Coding, Signal Processing,

L. Cordella, I Neural Approaches.

J. Desachy, F

V. Di Gesù, I

O. Faugeras, F 2. Image Understanding

M. Ferretti, I Shape and Texture, Motion Analysis, Statistical and

H. Freeman, USA Structural Pattern Recognition, Perception and

G. Garibotto, I Spatial Reasoning, Active Methods, Data Fusion.

C. Guerra, I

T. Huang, USA

S. Impedovo, I 3. Image Synthesis

J. Kittler, UK Geometric Modeling, Pictorial Simulation, Animation,

W. Kropatsch, A Virtual Reality.

O. Kubler, CH

M. Kunt, CH

S. Levialdi, I 4. Image Architectures

P. Mussio, I Embedded Architectures, Host Architectures,

T. Pavlidis, USA Intelligent Capture and VLSI.

S. Peleg, IL

V. Roberto, I

H. Samet, USA 5. Image Languages and DBMS

A. Sanfeliu, E Image Management, Procedural Languages, Visual

R. Stefanelli, I Languages.

S. Tanimoto, USA

A. Venetsanopoulos, CDN

S. Vitulano, I 6. Application Domains

P. Zamperoni, D Astronomy, Biomedical, Document Analysis, Industrial

B. Zavidovique, F Automation, Remote Sensing, Robotics, Entertainment.

Organized by: Paper Submission and Reviewing Process

Authors should send four copies of a full paper to the UNIVERSITY OF GENOVA 8th ICIAP Scientific Secretariat before January 2, 1995.

Paper length should not exceed six A4 pages since this is the estimated length of the proceedings version.

DIBE

Dpt. of Biophysical January 2, 1995 Submission of contributions

and Electronic March 31, 1995 Notification of acceptance

Engineering May 6, 1995 Camera ready paper due

DISI The first page should be anonymous, containing only the

Dpt. of Computer and title of the paper, a 200-words abstract and 3-5

Information Sciences keywords. A separate page including the name(s) and

affiliation(s) of the author(s), the abstract, the

DIST keywords and the addressed topic of the conference must

Dpt. of Communication accompany the paper. Papers submitted by fax or e-mail

Computer and will not be reviewed. Please send all contributions to:

System Science

Prof. Leila De Floriani - ICIAP'95

ELSAG BAILEY DISI - University of Genova

Gruppo IRI Viale Benedetto XV, 3 I -16132 Genova Italy

Finmeccanica

Each paper will be reviewed by at least two members of

the Scientific Committee using a blind procedure, which

implies that the identities of the authors will not be

known to the reviewers. Accepted papers will be

discussed in an oral presentation or presented as

posters. All presented contributions will be included

in a proceedings volume which will be published in book

form available at the conference.

#### Conference Venue

Lush vegetation, mild climate, mountains that come right down to the sea, this is Liguria, one of Italian smallest regions and one of the most beautiful.

Sanremo is one of the Ligurian riviera's highlights, lively and entertaining. It features a beautiful Sponsored by: palm-lined promenade looking out over a wide bay; among its attractions the famous casino and Villa Nobel. Good links to the international airports of Genova IEEE (140Km) and Nice (60Km).  
The Institute of For further information please contact:  
Electrical and  
Electronics 8th ICIAP Scientific Secretariat  
Engineers DISI, University of Genova  
(North Italy Section) Viale Benedetto XV, 3 I-16132 Genova Italy  
fax +39 10 3538028 (+39 10 3532134)  
e-mail [iciap@dibe.unige.it](mailto:iciap@dibe.unige.it)

EURASIP

European Association Concomitant Events  
for Signal Processing

During the week following ICIAP '95, participants will have the opportunity to attend the Computer AEI Architectures for Machine Perception Conference Italian Electrical (CAMP '95) which will be held in Como, September 18-20. and Electronics For additional information please contact the General Engineers Association Chairman, Prof. V. Cantoni, tel. +39 382 525638, (Ligurian Chapter) fax +39 382 505373, e-mail [cantoni@ipvmv1.unipv.it](mailto:cantoni@ipvmv1.unipv.it).

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While we're speaking of 1995 events, you probably all hope to be in Montreal for the next ICDAR, but you may not be aware of the fact that the well-known IJCAI conference will be held in the same city just the week after ICDAR. So here comes the call for participation:  
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#### CALL FOR PARTICIPATION: IJCAI-95

IJCAI-95 will take place at the Palais de Congres, Montreal, August 20-25 1995.

The biennial IJCAI conferences are the major forums for the international scientific exchange and presentation of AI research. The Conference Technical Program will include workshops, tutorials, panels and invited talks, as well as tracks for paper and videotape presentations.

#### PAPER TRACK: SUBMISSION REQUIREMENTS AND GUIDELINES

##### Topics of Interest

Submissions are invited on substantial, original, and previously unpublished research in all aspects of AI, including, but not limited to:

- \* Architectures and languages for AI (e.g. parallel hardware and software for building AI systems)
- \* Artistic, entertainment and multimedia applications.
- \* Automated reasoning (e.g. theorem proving, abduction, automatic programming, search, context management and truth maintenance systems, constraint satisfaction, satisfiability checking)
- \* Cognitive modeling (e.g. user models, memory models)
- \* Connectionist and PDP models
- \* Distributed AI, autonomous agents, multi-agent systems and real-time issues.
- \* Intelligent teaching systems
- \* Knowledge Engineering and Principles of AI applications (e.g. for design, manufacturing control, grand challenge applications)
- \* Knowledge representation (e.g. logics for knowledge, action, belief and intention, nonmonotonic formalisms, complexity analysis, languages and systems for representing knowledge)
- \* Learning, knowledge acquisition and case-based reasoning
- \* Logic programming (e.g. semantics, deductive databases, relationships to AI knowledge representation)
- \* Natural language (e.g. syntax, semantics, discourse, speech recognition and understanding, natural language front ends, generation systems, information extraction and retrieval)
- \* Philosophical foundations
- \* Planning and reasoning about action (including the relation between planning and control)
- \* Qualitative reasoning and naive physics (e.g. temporal and spatial reasoning, model-based reasoning, diagnosis)
- \* Reasoning under uncertainty (including fuzzy logic and fuzzy control)
- \* Robotic and artificial life systems (e.g. unmanned vehicles, vision/manipulation systems)
- \* Social, economic and legal implications
- \* Vision (e.g. color, shape, stereo, motion, object recognition, active vision, model-based vision, vision architectures and hardware, biological modeling).

##### Timetable

Submissions must be received by 6th January 1995. Submissions received after that date will be returned unopened. Authors should note that ordinary mail can sometimes be considerably delayed, especially over the new year period, and should take this into account when timing their submissions. Notification of receipt will be mailed to the first author (or designated author) soon after receipt.

Notification of acceptance or rejection: successful authors will be notified on or before 20th March 1995. Unsuccessful authors will be notified by 27th March 1995. Notification will be sent to the first author (or designated

author).

Camera ready copies of the final versions of accepted papers must be received by the publisher in the USA by 24th April 1995.

Note that at least one author of each accepted paper is required to attend the conference to present the work.

#### General

Authors should submit six (6) copies of their papers in hard copy form. All paper submissions should be to the following address. Electronic or fax submissions cannot be accepted.

IJCAI-95 Paper Submissions,  
American Association for Artificial Intelligence,  
445, Burgess Drive,  
Menlo Park, CA. 94025, USA.

(telephone (415) 328-3123, email [ijcai@aaai.org](mailto:ijcai@aaai.org)).

#### Appearance and Length

Papers should be printed on 8.5" x 11" or A4 sized paper. They must be a maximum of 15 pages long, each page having no more than 43 lines, lines being at most 140mm long and with 12 point type. Title, abstract, figures and references must be included within this length limit. Papers breaking these rules will not be considered for presentation at the conference.

Letter quality print is required. (Normally, dot-matrix printout will be unacceptable unless truly of letter quality. Exceptions will be made for submissions from countries where high quality printers are not widely available.)

#### Title Page

Each copy of the paper must include a title page, separate from the body of the paper. This should contain:

- \* Title of the paper
- \* Full names, postal addresses, phone numbers, fax numbers and email addresses (where these exist) of all authors. The first postal address should be one that is suitable for delivery of items by courier service
- \* An abstract of 100-200 words
- \* A set of keywords giving the area/subarea of the paper and describing the topic of the paper. This information, together with the title of the paper, will be the main information used in allocating reviewers.
- \* The following declaration:  
``This paper has not already been accepted by and is not currently under review for a journal or another conference. Nor will it be submitted for such during IJCAI's review period."`

#### Policy on Multiple Submissions

IJCAI will not accept any paper which, at the time of submission, is under review for a journal or another conference. Authors are also expected not to submit their papers elsewhere during IJCAI's review period. These restrictions apply only to journals and conferences, not to workshops and similar specialized presentations with a limited audience.

#### Review Criteria

Papers will be subject to peer review, but this review will not be ``blind" (that is, the reviewers will be aware of the names of the authors). Selection criteria include accuracy and originality of ideas, clarity and significance of results and the quality of the presentation. The decision of the Program Committee, taking into consideration the individual reviews, will be final and cannot be appealed. Papers selected will be scheduled for presentation and will be printed in the proceedings. Authors of accepted papers, or their representatives, are expected to present their papers at the conference.

#### Distinguished Paper Awards

The Program Committee will distinguish one or more papers of exceptional quality for special awards. This decision will in no way depend on whether the authors choose to enhance their paper with a video presentation.

#### Other Calls

Calls for tutorial and workshop proposals and video presentations for IJCAI-95 will be issued shortly.

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Finally, I received today a reminder about the CVPR'94 conference, which is probably of interest to many of us:

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>From: Dr Kevin Bowyer <[kwb@figment.csee.usf.edu](mailto:kwb@figment.csee.usf.edu)>  
>Subject: update / reminder on CVPR 94 and associated workshops.  
>Date: Fri, 29 Apr 1994 09:41:46 -0400

NOTE-- Only 21 more days until advance registration ends!! (5/20/94)

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IEEE Computer Society Conference on  
Computer Vision & Pattern Recognition  
June 19-25, 1994 The Westin Hotel Seattle, Washington

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Sponsored by  
IEEE Computer Society TC on PAMI

To keep this e-mail reasonably short, it contains only pointers to  
the complete descriptions.

CVPR itself, June 21-23:

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For the current advance program, information on tutorials and  
registration information, connect via anonymous ftp to  
figment.csee.usf.edu and download the file CVPR/cvpr-advance-program.ascii

Workshop on Visual Behaviors, June 19:

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For the advance program for this workshop, connect via anonymous  
ftp to figment.csee.usf.edu and download the file  
CVPR/workshop-on-visual-behaviors.ascii

Workshop on Pattern and Shape Matching in Computational Biology, June 20:

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For current information on this workshop, contact Andrea Califano  
([acal@watson.ibm.com](mailto:acal@watson.ibm.com)), Haim Wolfson ([wolfson@math.tau.ac.il](mailto:wolfson@math.tau.ac.il)) or  
Isidore Rigoutsos ([rigoutso@watson.ibm.com](mailto:rigoutso@watson.ibm.com)).

Workshop on the Role of Functionality in Object Recognition, June 20:

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For the advance program for this workshop, connect via anonymous  
ftp to figment.csee.usf.edu and download the file  
CVPR/functionality-in-recognition-workshop.ascii

Workshop on Visualization and Machine Vision, June 24:

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For the advance program for this workshop, connect via anonymous  
ftp to figment.csee.usf.edu and download the file  
CVPR/visualization-and-machine-vision-workshop.ascii

Workshop on Biomedical Image Analysis, June 24-25:

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For the advance program for this workshop, connect via anonymous  
ftp to figment.csee.usf.edu and download the file  
CVPR/biomed-image-analysis-prelim-program.ascii

Workshop on Performance Versus Methodology in Computer Vision, June 24-25:

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For current information on this workshop, contact  
Peter Meer ([meer@caip.rutgers.edu](mailto:meer@caip.rutgers.edu)) or  
Robert H. Haralick ([haralick@ptah.ee.washington.edu](mailto:haralick@ptah.ee.washington.edu)).

PAMI TC Meeting at CVPR, June 21:

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For the announcement of this meeting, connect via anonymous ftp to  
figment.csee.usf.edu and download the file  
CVPR/pami-tc-meeting-announcement.ascii

Student Housing:

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For information on student housing (limited, requires bus ride),  
connect via anonymous ftp to figment.csee.usf.edu and download  
the file CVPR/student-housing.ascii

Sharing double rooms at the Westin:

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If you are looking for someone to share a room with, connect via  
anon ftp to figment.csee.usf.edu and download CVPR/sharing-rooms.ascii

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That's all for this issue. I welcome all information you may want to  
relay to your colleagues via this mailing list; please send your  
contributions via E-mail to me.

Karl Tombre, IAPR TC10 chairman

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Phone: +33 83.59.20.71 --- Fax: +33 83.41.30.79 --or-- +33 83.27.83.19