Newsletter 27

Contents:
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Dear IAPR TC10 friends,

Time is running. It's again more than a month since last TC10 mailout. Welcome to new members of the mailing list (we regularly have requests to be added to the list, and I that those who join us are satisfied with the value of the information they get here).

I have again a lot of information to share with you. Of course, I will start with the GREC'95 workshop, for which an advance program is now available.

For the authors, a LaTeX2e template file is ready and can be made available to those who wish to format their final paper using LaTeX.

Non-authors who would like to participate in the workshop can contact prof. Kasturi or me.

Wednesday, August 9, 1995

6:30 PM to 8:00 PM: Reception
8:00 PM to 10:00 PM: Dashed-line contest set-up (ftp code, etc).

Thursday, August 10, 1995

8:15 AM to 8:30 AM: Opening Remarks (Kasturi/Tombre)

8:30 AM to 10:30 AM: Basic Techniques and Symbol-level Recognition
30 Mins Lead Talk (O'Gorman)
60 Mins Papers K 12, 15, 24 and T 2, 3, 4, 5, 13 (8 x 7.5 mins)
30 Mins Open Problems/Discussion/Recommendations

10:30 AM to 11:00 AM Break

11:00 AM to 12:30 PM: Map Processing
30 Mins Lead Talk (Hartog) - T 1
30 Mins Papers K 6, 9, 22 and T 14 (4 x 7.5 mins)
30 Mins Open Problems/Discussion/Recommendations

12:30 PM to 2:00 PM: Lunch

2:00 PM to 3:45 PM: Engineering Drawings
30 Mins Lead Talk (Dori) K 19,21
45 Mins Papers K 2, 14, 20, 23 and T 9, 12 (6 x 7.5)
30 Mins Open Problems/Discussion/Recommendations

3:45 PM to 4:15 PM: Break

4:15 PM to 5:30 PM: Applications of Graphics Recognition
20 Mins Lead Talk (Blostein) - K 1
45 Mins Papers K 5, 7, 10, 11, 16 and T 15 (6 x 7.5 mins)
10 Mins Open Problems/Discussion/Recommendations

5:30 PM to 6:30 PM: Break

6:30 PM to 8:30 PM: Banquet

8:30 PM to 11:00 PM: Dashed Line Detection Contest

Friday, August 11, 1995

8:30 AM to 10:30 AM Performance Evaluation: Metrics and Databases
30 Mins Lead Talk (Haralick) - K 18
30 Mins Papers K 3 and T 6, 11 (3 x 10 mins)
30 Mins Open Problems/Discussion/Recommendations

10:30 AM to 11:00 AM: Break

11:00 AM to 12:30 PM: Closing Session (Kasturi/Tombre)
Recommendations of the Workshop

12:30 PM to 2:00 PM: Lunch

2:00 PM to 6:00 PM: Picnic at Stone Valley Recreation Park

I also have received the abstract for the keynote speech which will be given during the banquet:

Workshop on Graphics Recognition

Talk by Clifford A. Kottman, Ph.D.
Executive Manager
Intergraph Corp.
cakottma@ingr.com
1-703-264-7129

Title: The Commercial Value of Graphics Recognition Technology

Abstract:
Information technology has brought the productivity of automated data processing to many areas of today s commerce. However, much information remains locked in a graphic form, and in this form intelligent information processors are blind to it. Teaching the computer to see and recognize graphics objects and their relationships will open a huge industry. Some components of of this industry are discussed, along with specific technical challenges.

The other main event for our technical committee in the coming months is of course ICDAR'95 in Montreal. The advance program is currently widely distributed, together with registration and accomodation sheets. I haven't an electronic copy of this information available yet, but in case you want more information, you can contact the ICDAR'95 secretariat (E-mail: icdar-95-request@cenparmi.concordia.ca)

There are also 2 tutorials held the day before the conference, one on fundamentals in handwriting recognition, the other on document image analysis techniques (an overview). Contact persons:
Prof. Impedovo (impedovo@si.uniba.it) for details on the first,
Larry O'Gorman (log@research.att.com) for details on the second.

IAPR technical committees are asked to report on their activities twice a year. I recently wrote a report for TC-10, and here is a copy of this report for your benefit. I just removed annex 1 with the rules for the dashed-lines detection contest, as it has already been circulated on this list. But of course, if some of you would like to receive these rules, feel free to ask for them.

Report of activities for IAPR TC-10
April 1995

Technical Committee 10 on Graphics Recognition promotes interaction among researchers working in document image analysis in general, and graphics recognition in particular. Topics of primary interest to members of this Technical Committee are:
- recognition of graphical shapes
- segmentation of graphics from text
- conversion of line drawings and maps
- interpretation of engineering drawings of various kinds
- recognition of printed music, fingerprint, etc.

In the last year, IAPR TC-10 has participated and participates in the organization or sponsorship of the following scientific events:

- The third international conference on document analysis and recognition (ICDAR) will be held in Montreal (Canada), on August 14-16, 1995. General chair is prof. C. Y. Suen (Canada), with co-chairs R. Plamondon (Canada) and S. Srihari (U.S.A.), and program co-chairs R. Kasturi (U.S.A.), G. Lorette (France) and K. Yamamoto (Japan). ICDAR'95 is sponsored by IAPR TC-10 and TC-11, by the International Graphonomics Society and by the Canadian Image Processing and Pattern Recognition Society. It is a major scientific event for our technical committee.

The call for papers for the 3rd ICDAR was very successful: 324 papers were submitted (compared to 260 for ICDAR'93 and 122 for ICDAR'91). The program committee has recently evaluated the submissions and has accepted 182 papers for oral presentation (of which 12 for long presentations) and 93 poster papers.

The Fourth ICDAR will be held in Ulm (Germany) in August 1997. The General Chair is Prof. J. Schuermann. Several members of TC-10 are also involved in the preparation of this conference.

- On October 18-20, 1994, a workshop on Document Analysis Systems (DAS'94) was held in Kaiserslautern (Germany). The workshop was sponsored by IAPR TC-2, TC-10 and TC-11, and Daimler Benz. Workshops chairs: Andreas Dengel (Germany) and Larry Spitz (USA). This workshop was deemed to be very successful by the participants, with plenty of time for discussions, many excellent papers, working groups where various topics were discussed, and an excellent organization by our colleagues from DFKI in Kaiserslautern. Graphics recognition was of course present at this workshop, through several papers, but also through a discussion group devoted to this topic. In addition to the proceedings, a forthcoming book, to be published by World Scientific and edited by Larry Spitz and Andreas Dengel, will contain the contributed papers, reports from the working groups and some other invited

articles.

Discussions are going on for organizing a second workshop on
document analysis systems in 1996, and several members of TC-10
are involved in these discussions.

- TC-10 also sponsored (with TC-6 and TC-8) the 4th workshop on
Machine Vision Applications (MVA'94), held on December 13-15, 1994
in Kawasaki, Japan. Its main topic was machine vision and its
applications, which includes machine vision algorithms, special
purpose architectures, industrial applications and document, map
and line drawing processing. Workshop Co-chairs: Mikio Takagi and
Akira Maeda. Many papers were devoted to map processing in this
workshop.

- In addition to these scientific events which it co-sponsors, TC-10
has decided to organize its own workshop in connection with the
next ICDAR in 1995. This IAPR Workshop on Graphics Recognition
(subsequently called GREC), sponsored by IAPR and organized by
TC-10, will be held on August 10-11, 1995 at the Pennsylvania
State University (USA), the week before ICDAR'95 in
Montreal. Workshop co-chairs: Rangachar Kasturi (USA) and Karl
Tombre (France).

37 abstracts have been submitted, of which 32 have been
accepted. A further selection and evaluation will be made by the
program committee after the workshop for preparation of a book
with the best papers and probably some other invited
contributions...

The tentative workshop program is:

+ Thursday Aug. 10:

4 sequential sessions on the following topics:
Basic Techniques and Symbol-level Recognition
Map Processing
Engineering Drawings
Applications of Graphics Recognition
banquet with keynote speaker, probably from industry
dashed-line detection contest (see below) and informal discussions

+ Friday Aug. 11:

1 session:
Performance Evaluation: Metrics and Databases
working groups, discussions, recommendations
closing session

Each session will be organized like a panel on a given
topic. Accepted abstracts will thus be grouped by their
topic. Each session will have a panel leader who will make an
extended presentation describing the state-of-the-art and open
research problems. This will be followed by short presentations
from other panelists. Each session will conclude with discussions
among the panelists and the other attendees.

We want in this way to guarantee a real WORKING GROUP atmosphere
suitable for a smaller workshop.

In addition to these activities, TC-10 is involved in the organization
of THE DASHED-LINE DETECTION CONTEST, which will be held during
GREC. The idea is that there is a lot of work going on in graphics
recognition, but it is quite difficult to EVALUATE how good a method
is compared with another one. However, we all know that a rigorous
approach to PERFORMANCE EVALUATION is a key to real progress toward
working solutions which can be applied in real-world
problems. Although we still have difficulties in defining good
evaluation procedures for complete systems (see for instance the
interesting dialogue on "Performance Characterization in Computer
Vision" recently published in CVGIP-Image Understanding), it is our
hope that it may be possible to evaluate rigorously modules of a
recognition system and that such an evaluation can at least help in
evaluating the whole system (although there are also other problems,
of course). So the purpose of this contest is to foster the exchange
of ideas and techniques in the field of graphics recognition, and more
specifically in the detection of dashed lines. Contestants will have
to run a live demonstration of their program on given test images, on
SPARC-type workstations or similar equipment, on the evening of the
contest, during the GREC workshop. Facilities for downloading software
via ftp will be provided. All images will be in TIFF format. Programs
will be judged on the basis of accuracy (percentage of segments not
detected, percentage of incorrectly detected segments, tracking
accuracy when segments intersect) and of their ability to recreate the
test image from the representation and interpretation. See annex 1 for
the complete rules of the contest.

There have also been discussions in TC-10 about other efforts to
promote real and clear evaluation of different work. One of these
efforts is the push towards a COMMON DATABASE. It is the feeling among
many researchers that in order to make further progress in our field,
and not be satisfied with regularly publishing "new methods" on our
own sets of data, we should strive towards means to COMPARING one
method with another, EVALUATING their respective merits, and so
on. Our colleagues in text-oriented document analysis and in

handwriting recognition have already started this effort by gathering ground-truthed data which are made available to all researchers in the field. We also need such a dataset for graphics recognition, i.e. technical drawings, business graphics, etc. So in the coming months TC-10 plans to start collecting data for such a database. This will be one topic of discussion at GREC. Another idea, which may also be discussed at GREC, would be the possibility to put together some SOFTWARE MODULES, at least for low-level tasks, written with strict rules and with well-specified data structures, which could be used as a common basis for the participating groups.

The electronic mailing list for TC-10 related activities has continued to be regularly used for dissemination of information topical to TC-10's interests (one posting every month on average). Membership is continuing to increase; there are currently 205 members of this mailing list, which has sent out 26 "TC10 news" compilations of information since it was started in February 1993. A tentative WWW entry point for TC-10 has also been set up (currently at http://www.loria.fr/~tombre/tc10.html), where the archives of the mailing list and various other announcements are available.

Now to some other conference announcements. First, here comes an interesting announcement: a conference on fusion of earth data, where the aim is to merge measurements, remotely sensed images AND MAPS. I firmly believe that this is a very exciting application of graphics recognition (together with other techniques, of course):

>From: fusion@armelle.cma.fr (Utilisateur Colloque fusion)
>Subject: CFP: Conference on FUSION OF EARTH DATA

///
// This announcement is also available through the conference home page
// <URL:http://augusta.cma.fr/tele/fusion/home.html>
//
///
FIRST CALL FOR PAPERS

European Association of Remote Sensing Laboratories (EARSeL)
Societe des Electriciens et Electroniciens de France (SEE)
Ecole des Mines de Paris (EMP)

cordially invite you to a Conference

FUSION OF EARTH DATA:
merging point measurements, raster maps and remotely sensed images

to be held in Cote d'Azur (France), 7-9 February 1996.

GENERAL

The quantity of data available for the study of the environment, the geosphere and the biosphere has grown very rapidly over the past few years, partly due to the number of space missions devoted to the observation of the Earth. Facing this ever increasing amount of data, researchers as well as engineers need to extract the best information of them. Data fusion techniques are of paramount importance for an optimal exploitation of the synergy of these data.

Such techniques have been recently introduced. They are mostly misunderstood by the user community, in part because their mathematical aspects are often emphasized in place of the practical applications. It is indeed a rich and fascinating area of multidisciplinary investigation which deserves a better comprehension from the remote sensing and geography community.

GOALS OF THE CONFERENCE

The Conference is conceived as a forum for researchers, engineers and students at PhD level using and studying data originating from different sensors, and scientists working on various aspects of data/image fusion. It intends to help in understanding what does "data fusion" means by providing clear description of applications, tools and benefits of data fusion. The emphasis will be on the fusion of raster data: image / image, raster-map / image, image / numerical model, as well as on the merging of in situ measurements with such raster data. The organizing bodies are determined to respect high standards for this technical conference and the presentations will represent the latest methodologies and the status of applications.

The pedagogic aspect is an important one in this Conference. Knowledge should be transferred from the specialists to the attendees. This will be done on the one hand by some tutorials, and on the other hand by invited speakers who will take care to clearly present their applications, the tools they used and know to enhance the benefit of the fusion. Interactive presentations will also take place which are a powerful means for an extensive discussion of one's work. Access to the Conference by students will be strongly encouraged.

COMMUNICATIONS

Morning sessions will be devoted to keynote speakers who will present the state-of-the-art. High- quality papers dealing with general aspects of data fusion illustrated by peculiar applications will also

be presented. Afternoons will focus on selected topics and will allow attendees to increase their knowledge in some aspects of the fusion. A round-table will take place at the end of the meeting, gathering all participants during which conclusions about the role of data fusion in Earth observation will be drawn.

The organisers will welcome papers describing recent and original work. They will favour papers which contain the three following aspects:
- description of the application needs with respect to multi-sensor data,
- description of the fusion techniques used,
- assessment of the quality of the results and of the benefit of the data fusion.

Submit 5 copies of the abstract (no more than two A4 pages), enhancing the above-mentioned aspects. The abstract should also include name of authors, address, phone, fax and e-mail.

DEADLINE for abstract submission: SEPTEMBER 30, 1995

THEMATIC SESSIONS

There will be several thematic sessions on topics selected from advance proposals. These sessions
provide a means to discuss more extensively peculiar subjects. Authors of accepted proposals will
serve as session chairman.

Suggested proposals may be in the following domains:
- advanced mathematical tools in data fusion,
- integration / supplementing ground measurement network by space measurements
- change in data quality in fusion process
- fusion in oceanography from space
- fusion in natural hazards
- fusion for global change
- fusion for computer-aided photo-interpretation
- and others

TUTORIALS

One or two tutorials will be held on Tuesday 6th February, introducing some mathematical tools of relevance to data fusion, including several illustrations.

SCIENTIFIC PROGRAM COMMITTEE

Dr. L. Wald, Ecole des Mines de Paris, France (Chairman)
Prof. Dr. M. Buchroitner, Technical University of Dresden, Germany
Prof. Dr. J. van Genderen, I.T.C., The Netherlands
Dr. M.-J. Lefevre, CNES, France
Dr. J.-M. Nasr, Aerospatiale, France
Dr. L.-F. Pau, Digital Equipment Europe, France
Dr. G. Pitella, ESA, Italy
Dr. T. Rousselin, Delegation Generale pour l'Armement, France
Dr. R. Vaughan, University of Dundee, United Kingdom

LOCATION AND ACCOMMODATIONS

French Cote d'Azur is characterized by its beautiful landscape. In winter, the sky is often deep blue with a high visibility. Such a light offers a wonderful contrast between the quiet blue-green Mediterranean Sea and the close snowy Alps mountains. The weather is often dry and comfortable. This is a destination well worth visiting at that time of the year.

Beginning in the 1970's, a part of Cote d'Azur north of Antibes and Cannes evolved into Sophia Antipolis, a famous name in the world for research and high technology. Also in Cannes is Aerospatiale, the leading european satellite maker. The Conference will benefit >from this high- tech neighborhood.

FOR MORE INFORMATION

Please pass on your address to the Conference office to receive further information.

Fusion Conference Office
Remote Sensing Group
Ecole des Mines de Paris
BP 207
06904 Sophia Antipolis cedex
France

33 - 93 95 75 35 (Fax)
E-mail: fusion@armelle.cma.fr
WWW page: http://augusta.cma.fr/tele/fusion/home.html

Mail all submission materials to the above address. Materials must be received by their deadline dates June 30 * Thematic session proposals due

September 30
* Abstracts due
* Notification of acceptance for thematic session

November 15
* Notification of acceptance for papers
* Registration to tutorials

January 15
* Papers due

Last Name

First Name

Mailing Address

City _____ State _____ Postal Code _____

Country _____ E-mail _____

Office Telephone

Fax

Student (yes, no)

I also have received a paper call for paper for a special issue of the
International Journal of Pattern Recognition and Artificial
Intelligence on Automatic Bankcheck Processing. Contact the guest
editor, prof. Impedovo (Email: impedovo@si.uniba.it) for details.

Another symposium which may be of interest to some of you is the
following (one of the topics is related to diagram understanding):

>From: rohini@acsu.buffalo.edu (Rohini Srihari)
>Subject: AAAI Fall Symp: Vision/Language

**************** SECOND (FINAL) NOTICE *************************

Call for Participation
AAAI Fall Symposium
on

COMPUTATIONAL MODELS FOR INTEGRATING LANGUAGE AND VISION

November 10-12 1995
Massachusetts Institute of Technology (MIT)
Cambridge, MA

This symposium will focus on research issues in developing
computational models for integrating language and vision.
The intrinsic difficulty of both natural language processing
and computer vision has discouraged researchers
>from attempting their integration, although in some cases
it may simplify the individual tasks (e.g. collateral-based vision,
resolving ambiguous sentences through the use of visual information).

Developing a bridge between language and vision is non-trivial,
since the correspondence between words and images is not
one-to-one. Much has been said about the
necessity of linking language and perception for a system
to exhibit intelligent behavior, but there has been relatively
little work on developing computational models for this task.
A natural-language understanding system should be able to
understand and make references to the visual world. The use of
scene-specific context (obtained from written or spoken text
accompanying a scene) could greatly enhance the performance of
computer vision systems.

Some of the topics to be addressed are:

o use of collateral text in image and diagram understanding
o generating natural-language descriptions of visual data
(e.g., event perception in image sequences)
o identifying and extracting visual information from language
o understanding spatial language, spatial reasoning
o knowledge representation for linguistic and visual
information, hybrid (language and visual) knowledge bases
o use of visual data in disambiguating/understanding text
o content-based retrieval from integrated text/image/video
databases
o language-based scene modeling
(e.g., picture or graphics generation)
o cognitive theories connecting language and perception

The symposium will consist of invited talks, panel discussions,
individual presentations and group discussions. Those
interested in making a presentation should submit
a technical paper (not to exceed 3,000 words). Others
interested in participating in the symposium
should submit either a position

paper or a research abstract. Email submissions
in postscript format are encouraged, and should be
sent to rohini@cedar.buffalo.edu. Alternatively, 4
hard copies may be sent to:

Rohini Srihari
CEDAR/SUNY at Buffalo
UB Commons, 520 Lee Entrance Suite 202
Buffalo, NY 14228-2567

********** Papers should be sent by APRIL 14, 1995. ************

In addition to invited participants, a limited number of other
interested parties will be able to register on a first-come basis.
Registration will be available by August 1, 1995 through AAAI.

Further information on this symposium may be found at:
http://www.cedar.buffalo.edu/Piction/FSS95/CFP.html

Please address any questions regarding the symposium to
Rohini Srihari (rohini@cedar.buffalo.edu),
Debra Burhans (burhans@cs.buffalo.edu) or Rajiv Chopra
(rchopra@cs.buffalo.edu).

RELEVANT DATES

April 14, 1995 Submissions for the symposium are due
May 19, 1995 Notification of acceptance
September 1, 1995 Working notes for symposium distributed
Nov 10-12, 1995 Symposium held at MIT

Organizing Committee:
Rohini K. Srihari (Chair), CEDAR, SUNY at Buffalo
David Waltz, NEC Research Institute
Thomas M. Strat, SRI International
Candace Sidner, Lotus Development Corporation
Janice Glasgow, Queen's University
Ken Forbus, Northwestern University
Annette Herskovits, Wellesley College
Gordon Novak, University of Texas at Austin
Jeffrey Siskind, University of Toronto

Sponsored by the American Association for Artififical Intelligence
445 Burgess Drive
Menlo Park, CA 94025
(415) 328-3123
fss@aaai.org

More classically, here is a CFP for a symposium on computer vision:

>From: Gerard Medioni <medioni@tiresias.usc.edu>
>Subject: CALL FOR PAPERS

CALL FOR PAPERS

IEEE INTERNATIONAL SYMPOSIUM ON COMPUTER VISION
Biltmore Hotel
Coral Gables, Florida
November 20-22, 1995

Papers due May 22, 1995

GENERAL CO-CHAIRS:
Thomas Huang Shahriar Negadharipour
Univ of Illinois at Urbana-Champaign University of Miami
Beckman Institute Dept. of Elect & Comp Engineering
Urbana, IL 61801 Coral Gables, FL 33124-0640
huang@ifp.uiuc.edu shahriar@ece.miami.edu

PROGRAM CO-CHAIRS:
Gerard Medioni Dmitry Goldgof
USC-IRIS PHE 204 mc 0273 Dept. of CS and Eng.
Univ of Southern California Univ of South Florida
Los Angeles, CA 90089-0273 Tampa, Florida 33620
medioni@usc.edu goldgof@bigpine.csee.usf.edu,

PROGRAM COMMITTEE

Narendra Ahuja U. Illinois
Amir Amini Yale
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Tom Binford Stanford
Terry Boult Lehigh
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Linda Shapiro U. of Washington
Ajit Singh Siemens
J-P Thirion INRIA
Massimo Tistarelli U. Genoa
Baba Vemuri U of Florida
Richard Weiss U. Mass
John Weng Michigan State U.
Steve Zucker McGill

The Program will consist of parallel tracks of
previously unpublished contributed papers, delivered either orally or
as a poster. Contributions are sought on new research in all aspects
of computer vision, including:

Physics based vision
Integration of modules and cues
Active and real-time vision
CAD-based vision
Motion analysis and understanding
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

The conference is not limited to these topics, and authors may specify that a
paper falls in two or more categories, or in a different category not listed.
Categories are used to best match papers with the expertise of the reviewers.
As customary, all reviewing will be double blind.

PAPER SUBMISSION:
Four copies of complete manuscripts should be received no later than
MAY 22, 1995 by Prof. Medioni at the address listed above.

Papers should be submitted IN FINAL, CAMERA-READY FORMAT with 2 columns
on 8.5 by 11 sheets.
Each column is limited to 3 1/4 inches in width and 8 7/8 inches in length
with a 3/8 inch gutter between columns. The margins are 13/16 inch on each
side, 1 1/16 inches on the top and bottom. Text is to be typed single-spaced
in 10 point Times Roman (or closely resembling), with 12 point interline
spacing. The first page of the paper, centered on the top below the top margin,
should include the paper title, the authors' name and affiliation. Six pages
are allowed for each paper, including references and illustrations.
PAPERS LONGER THAN 6 PAGES WILL BE REJECTED WITHOUT REVIEW.

In addition to the manuscript, the submission should include the following:

(1) A Slighlty Different Title page -- in which the name and addresses of the
authors are replaced by one or more categories as listed above, or by other
keywords that can be used to match submissions to reviewers.

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

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

(2.2) Why should this contribution be considered important?

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

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

This symposium is sponsored by the IEEE Computer Society.

For further online information, including formatting guidelines, see
http://marathon.csee.usf.edu/WCV/ on the WWW

And another one...

>From: hw@ntu.ac.sg (Wang Han)
>Subject: ACCV'95 Final Call-4-papers

CALL FOR PAPERS

SECOND ASIAN CONFERENCE ON COMPUTER VISION
ACCV'95

5-8 DECEMBER 1995
CONCORD HOTEL, SINGAPORE

The Second Asian Conference on Computer Vision, ACCV'95, will be
held in Singapore on 5-8 December 1995. The theme of ACCV'95 is
"Computer Vision for the Twenty First Century". The conference will
provide a forum for researchers to exchange up-to-date technical
knowledge and experience. The conference will focus on theory as well
as applications of Computer Vision. In addition to the technical
sessions, there will be plenary, invited and tutorial sessions. The
Keynote speakers will be Professor Anil Jain from Michigan State
University, USA, and Professor Yoshiaki Shirai from Osaka University,
Japan. A one day tutorial on 3-D DATA ACQUISITION, INTERPRETATION, AND
MOTION ANALYSIS will be given by Prof. Shirai. Also, another one day
tutorial on PATTERN RECOGNITION AND NEURAL NETWORKS will be given by
Prof. Jain.

Papers describing original work in, but not limited to, the
following research areas are invited:

IMAGE PROCESSING LEARNING IN COMPUTER VISION
STEREO VISION PATTERN RECOGNITION
MOTION ANALYSIS & TRACKING ROBOT & MACHINE VISION
TEXTURE ANALYSIS MOBILE ROBOTS & NAVIGATION
SENSOR FUSION REMOTE SENSING
ACTIVE VISION MEDICAL IMAGING
PHYSICS BASED VISION REAL-TIME VISION SYSTEMS
INVARIANT FEATURES PARALLEL ALGORITHMS
SEGMENTATION & GROUPING APPLICATIONS OF COMPUTER VISION
FEATURE EXTRACTION VIRTUAL REALITY
IMAGE UNDERSTANDING IMAGE DATABASE & RETRIEVAL

SUBMISSION PROCEDURE

Papers must be written in English and should describe the work in
some details. THREE COPIES OF THE EXTENDED SUMMARY OF THE PAPERS (1000
- 1500 words) must be submitted for review. Please include in the
forwarding letter the author's name (underline SURNAME) to whom the
correspondence should be addressed. Also include address, telephone
and fax numbers, e-mail address, and the broad classification of your
paper.

Upon acceptance, at least one of the authors will be required to
register and then present the paper. The length of the final papers in
the proceedings will be limited to a maximum of 5 pages (5 mats A4
size, single space, font size 10, two columns format), including
figures, tables and references. Accepted papers will be categorized in
either oral presentation or poster sessions.

SELECTED PAPERS WILL BE CONSIDERED FOR PUBLICATION IN A FEW
INTERNATIONAL JOURNALS.

INVITED SESSIONS

The Programme Committee is also soliciting proposals for invited
sessions focusing on topics related to the theme of ACCV'95. An
invited session is expected to have 5 to 6 papers on a specialized
topic. Please submit your proposals to Dr Stan Li (his address is the
same as the address given below) before 30 June 1995.

PLEASE SUBMIT THREE COPIES OF THE EXTENDED SUMMARY OF YOUR PAPER
FOR REVIEW TO:

Mr Eric Sung, Technical Programme Chairman of ACCV'95
c/o Research lab IV
School of Electrical and Electronic Engineering
Nanyang Technological University
Nanyang Avenue, Singapore 2263
Republic of Singapore
Tel : (65) 799-5419, or (65) 799-5470
Fax : (65) 791-2687
E-mail: accv95@ntu.ac.sg

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| AUTHOR'S SCHEDULE : |
| |
| 30 June 1995 Submission of summary of the papers |
| 31 August 1995 Notification of Acceptance |

15 October 1995 Submission of Camera Ready Manuscripts

REGISTRATION FEE

The registration fee will be S$ 480 (US$ 350). A discount of S$
30 (US$ 20) will be given to delegates who register before 15 October
1995. The tutorials registration fee will be S$ 250 (US $ 180). The
payment should be made payable to "Nanyang Technological University".

TRAVEL

Specially priced Airline Tickets for attending the conference may be
available from our official airline, SINGAPORE AIRLINES.

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IEEE Singapore Section, Computer Chapter

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>From: hw@ntu.ac.sg (Wang Han)
>Subject: Urgent notice: ACCV'95 call-4-papers

Dear colleagues,

If you are submitting papers for ACCV'95, plesae quote on the first
page the category of your paper:

* image processing * texture analysis

* motion analysis and tracking * sensor fusion
* active vison * medical imaging
* physics based vision * invariant features
* segmentationand grouping * feature extraction
* image understanding * pattern recognition
* learning in computer vision * robot and machine vision
* mobile robot and navigation * remote sensing
* medical imaging * real-time vision systems
* parallel algorithms * virtual reality
* applications of computer vision * image database and retrieval

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Still in computer vision, I have received the advance program of
ICCV'95. I didn't keep the full program, but only the headers. But of
course, you can ask me for the full version (also available through
browsing my WWW directory).

>From: welg@ai.mit.edu (W. Eric L. Grimson)
>Subject: ICCV Advance Program

Below is the tentative program for ICCV 95, to be
held in Cambridge MA, June 20-23, 1995.

ICCV 95
Tentative Program

TUESDAY, JUNE 20

SESSION 1 -- Opening, IUE, Recognition -- 8:00 -- 9:40

SESSION 2 -- Calibration, Navigation -- 10:10 -- 11:50

SESSION 3 -- Shape Recovery -- 1:30 -- 2:30

POSTER SESSION 1 -- Stereo, Texture, Low Level Vision, Color,
Calibration, Motion -- 2:30 -- 4:30

SESSION 4 -- Shape Recovery -- 4:30 -- 5:30

WEDNESDAY, JUNE 21

SESSION 5 -- Face and Gesture Recognition -- 8:00 -- 9:40

SESSION 6 -- Curve Matching, Shape Completion -- 10:10 -- 11:50

SESSION 7 -- Pose and Correspondence -- 1:30 -- 2:30

POSTER SESSION 2 -- Recognition, Applications -- 2:30 -- 4:30

SESSION 8 -- Deformable models -- 4:30 -- 5:30

THURSDAY, JUNE 22

SESSION 9 -- Color, Texture, Specularities -- 8:00 -- 9:40

SESSION 10 -- Motion -- 10:10 -- 11:50

SESSION 11 -- Learning, Modeling -- 1:30 -- 2:30

POSTER SESSION 3 -- Deformable Models, Surfaces, Learning, Geometry, Modeling,
Analysis, Sensors, Active Vision -- 2:30 -- 4:30

SESSION 12 -- Representations, Geometry -- 4:30 -- 5:30

FRIDAY, JUNE 23

SESSION 13 -- Motion -- 8:00 -- 9:40

SESSION 14 -- Stereo, Robot Vision -- 10:10 -- 11:50

Some time ago, we announced here the CVRMed conference. It is over now
and proceedings are available:

CVRMed'95 Proceedings Available Now!

The CVRMed'95 Proceedings were released on March 22 and are
available from Springer Berlin and through bookstores now, whereas
they will be available in North America and through the Springer
office at Secaucus, NJ around April 10th. The book has the
following bibliographic data:

Volume Editor: Nicholas Ayache
Title: Computer Vision, Virtual Reality
and Robotics in Medicine
Subtitle: First International Conference, CVRMed'95,
Nice, France, April 3 - 6, 1995.
Proceedings
Serie: Lecture Notes in Computer Science
Volume Number: 905
Pages: 567 + XIV
with 9 pages in color and numerous halftones
List Price: DM 148.00 USD 99.00

Publisher: Springer-Verlag
ISBN: 3-540-59120-6

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(American Express, Eurocard/Mastercard, Diners, and Visa
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CONTENTS

[Long table of contents deleted to keep this mail reasonably
short. Feel free to ask me for a copy of the whole announcement if
you are interested. -- KT]

Finally, some other announcements which may be of interest. Here is an
offer of a post-doc position. Please circulate if appropriate...

>From: "Gregoire Malandain" <Gregoire.Malandain@sophia.inria.fr>
>Subject: Offering POST-DOC POSITION (new deadline)

The Epidaure Group, at INRIA Sophia-Antipolis, is offering
a post-doctoral position in Medical Image Analysis, starting
in Autumn or Winter 1995, for one year.

The topics of research are 3D medical image understanding,
all aspects of image registration, augmented reality for
therapy planning, virtual patients for surgery rehearsal.

The candidate must be a European citizen (outside of France),
or a non european citizen who has been working
in an EEC country outside of France for at least a year,
and must not have received a funding for Human Mobility
from the EEC before.

Applications must be sent to
Dr. Nicholas Ayache
INRIA
2004 Route des Lucioles
F-06902 Sophia-Antipolis
France
----
email: Nicholas.Ayache@sophia.inria.fr

The deadline has now been postponed for one month,

which means it is possible to send an application until

MAY 30, 1995

for a start in October 95. Early application is anyhow
strongly encouraged.

I also got the following request. Is there somebdy who can help?

>From: shan@ipcsg1.ECE.Drexel.EDU (Hsin-heng Shan)
>Subject: Help
>Date: Tue, 11 Apr 95 8:59:10 EDT

HS> What I'm looking for is hign quality photographs of mechanical
HS> tools or parts that I can use for image processing purpose.
HS> [...]
HS> Please let me know if you do have some images and if you are
HS> willing to send a copy to me or let me download it. Please also
HS> feel free to e-mail me if you have any question. Thanks for
HS> your help.

Well, this has again become quite long. I hope you read though to the
end...

Many greetings from your TC10 chairman,

Karl Tombre - INRIA Lorraine & CRIN-CNRS --- Email: Karl.Tombre@loria.fr
Post: 615 rue du jardin botanique, BP 101, 54602 Villers CEDEX, France --or--
Batiment LORIA, BP 239, 54506 Vandoeuvre CEDEX, France
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