Newsletter 40, May 1996

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- OCR Job Announcement / Caere Corp.

Dear TC10 members and friends,

After analyzing the replies to my survey in the last TC10 news, we
have come to the following result: the best date for GREC'97 seems to
be at the very end of the ICDAR'97 week, i.e. Friday and Saturday.
This means also that we are going to organize the workshop here in
Nancy. So I am pleased to send out today a PRELIMINARY version of the
CFP. Please note that this is preliminary -- I haven't yet sent in the
request for formal approval by the IAPR (that's why I didn't qualify
the workshop as IAPR workshop yet, but I hope it will be qualified as
such). I also haven't had time to make a first estimate of the cost of
the workshop. All this will be sent out later, and I hope at latest to
be ready to announce it officially at ICPR in Vienna this Summer.
However, I thought many of you would like to ave the CFP already now
to plan well in advance...

As I still miss the formal agreement of some of the foreseen program
committee members, I chose not to include this list here, but be
confident that this will be an international committee, with
high-level scientists from all over the world...

Also, companies which would be interested in being co-sponsors of this
event, in one way or the other, can contact me (e-mail
Karl.Tombre@loria.fr), so that we may explore the possibilities of
such cooperation.

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PRELIMINARY CALL FOR PAPERS

GREC'97
Second Workshop on Graphics Recognition
(IAPR TC-10)

Nancy, France

August 22-23, 1997

You are invited to participate in a single-track 2-day workshop on
methods and systems for graphics recognition organized by IAPR TC-10
(Technical Committee on Graphics Recognition). The workshop will
comprise several sessions dedicated to specific topics. For each
session, there will be a main paper presentation giving the state of
the art and stating the open questions for the session's
topic, followed by a number of short presentations where each
participant is invited to contribute by proposing solutions to some of
the questions or presenting results of his/her work. Each session
will be concluded by a panel discussion.

The workshop will be held just after the 4th International Conference
on Document Analysis and Recognition (Ulm, Germany, August 18-20,
1997). Nancy is only a 4 hours drive from Ulm and the two cities are
directly connected by train.

Attendance will be limited to 75 persons. All participants are
expected to contribute actively to the workshop, either by presenting
a full state-of-the-art paper, or by an abstract of remarks on a
specific topic. You are invited to submit to the program committee an
abstract (maximum 2 pages) of your proposed contribution to the
workshop. Please indicate also if you would be willing to present a
state-of-the-art paper on this topic, if invited to do so by the
program committee.

Pre-proceedings of all contributed papers will be available at the
workshop for the participants. After the workshop, the program
committee plans to publish as a book revised versions of selected key
papers, possibly including reports from the panel discussions.

Relevant topics include but are not limited to:
- raster-to-vector techniques
- recognition of graphical primitives
- recognition of graphic symbols in charts and diagrams
- interpretation of engineering drawings, logic diagrams, maps,

charts, etc.
- analysis of line drawings, tables, forms etc.
- graphics-based information retrieval
- 3-D models from multiple 2-D views
- interpretation of low-level ("dumb") CAD data
- description of complete systems for interpretation of graphics in
scanned documents
- performance evaluation in graphics recognition

Workshop Organization

Chairs:

Karl Tombre
INRIA Lorraine & CRIN/CNRS
Batiment LORIA,
615 rue du jardin botanique, B.P. 101
54602 Villers-les-Nancy Cedex, France
Email: tombre@loria.fr, Phone: +33 83 59 20 71, Fax: +33 83 27 83 19

Atul K. Chhabra
NYNEX Science & Technology
500 Westchester Avenue
White Plains, NY 10604, USA
Email: atul@nynexst.com, Phone: +1 914 644-2786, Fax: +1 914 644-2561

Program Committee:
[To be announced later]

Abstracts (max. 2 pages, 3 copies): March 1, 1997
Acceptance notification: May 1, 1997
Camera Ready Manuscripts: June 15, 1997

Please send your abstract to one of the co-chairs. Contact either one
of the co-chairs for further information.

===
The ICPR will be held in Vienna (Austria) in August this year. At this
conference, we will have a formal TC10 meeting. This will be the end
of my 4-years (I should rather say 2x2 years) term as TC10
chairman. Several things are on the agenda:
- Report about TC10's activities these last 2 years
- Choice of next TC10 chairperson
- Update information about the coming GREC'97
- Discussion about future plans and actions
- Miscellaneous

If some of you want to suggest specific topics to be adressed during
this meeting, please send a mail to me, so that I prepare a more
detailed agenda.

I have asked the ICPR organizing committee to reserve a meeting room
for us, and they have done so. So please note that if you attend ICPR,
all of you are heartily welcome to attend the TC10 meeting, which will
be held on
+---------------------------------------+
|Monday, August 26th, 1996, at 18:00 (6pm)|
+---------------------------------------+
in the same building as the ICPR conference. The room will be
announced on site (please look for posted announcement on different
boards). I repeat that all the recipients of this mailing list, and
any other person interested in the TC's activities, are heartily
invited to join us.
===
Finally, the post-GREC'95 book, with a selection of articles presented
at GREC'95, in revided form, came out this month in the Lecture Notes
in Computer Science series.

Here is the exact reference:
R. Kasturi and K. Tombre, editors.
Graphics Recognition - Methods and Applications.
Lecture Notes in Computer Science, vol. 1072,
Springer Verlag, may 1996.
308p. ISBN 3-540-61226-2.

The contents list can be visualized at the following WWW address:
http://www/~tombre/lncs.html
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Somebody mentioned to me that I hadn't circulated an electronic
version of the programs for the coming SSPR and ICPR events, this
summer. This is true, but it stems from the fact that I haven't
received any official program in electronic format. However,
information on these two events can be found on the following WWW
pages:

SSPR'96 --> http://lareina.imise.uni-leipzig.de/~perner/sspr.html
ICPR'96 --> http://www.prip.tuwien.ac.at/icpr/icpr.html

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Now to the usual list of events, announcements, etc. As usual, some of
these announcements are shortened, but you can find full versions of
those (and of others) in my archives:

http://www.loria.fr/~tombre/CFP/maillist.html for the CFPs

===
In 1997, the CAIP conference will be held in Kiel. Here is the CFP:
===
>From: Konstantinos Daniilidis <kd@informatik.uni-kiel.de>
>Subject: First Call for Papers CAIP'97

CALL FOR PAPERS

CAIP '97
7'th International Conference
COMPUTER ANALYSIS OF IMAGES AND PATTERNS

September 10-12, 1997
Kiel, Germany

CAIP'97 is the seventh of a biennial international conference devoted
to all aspects of image analysis and processing, computer vision, and
pattern recognition. Traditionally its venue is located in Central
Europe. One of its well-known main goals is to support personal
contacts between the Eastern/Central European research community and
the world research community in the covered fields.

Papers of original work include, but are not limited to, the following
technical areas:

pattern analysis low level processing and coding
segmentation and grouping texture analysis
motion and stereo shape representation
invariants, geometry object recognition
human-machine interfaces active, real-time vision
augmented reality visual information management
vision guided robotics human vision modelling
learning and neural networks in computer vision

SUBMISSION

Five copies of full-length papers should be received by February 1, 1997
at the address of the General Chair. The form of the manuscript should
be as follows:

1. Cover page including title, author(s), postal address, e-mail
address, FAX and phone number, an abstract up to 200 words, and one or
more categories as listed above. It should be explicitly stated if the
paper is submitted only for poster presentation.

2. Summary page containing answers to the following questions:
(a) What is the original contribution of this work?
(b) What is the most closely related work by others and how
does this work differ?

3. The paper beginning with title and abstract, without authors
and institution, should be no more than 10 pages (12-point fonts)
including text, figures, and references.

All reviewing will be double blind on the responsibility of three
members of the program committee for each paper.

DATES AT A GLANCE
February 1, 1997 Submission of full papers
April 15, 1997 Notification of acceptance
April 15, 1997 Registration of exhibitors
June 20, 1997 Submission of final camera-ready papers

GENERAL CHAIR: Gerald Sommer, Germany

PROGRAM COMMITTEE:

R. Bajcsy, USA I. Bajla, Slovakia
V. Chernov, Russia D. Chetverikov, Hungary
V. Di Gesu, Italy J.O. Eklundh, Sweden
A. Gagalowicz, France G.L. Gimel'farb, Ukraine
V. Hlavac, Czech Republic J. Kittler, United Kingdom
R. Klette, Germany J.J. Koenderink, Netherlands
W. Kropatsch, Austria I. Pitas, Greece
R. Mohr, France G. Sagerer, Germany
W. Skarbek, Poland F. Solina, Slovenia
S. Stiehl, Germany S.W. Zucker, Canada

LOCAL ORGANIZING COMMITTEE

G. Sommer (Chair), J. Bruske, K. Daniilidis,
M. Hansen, U. Mahlmeister, F. Maillard (Secretary)

CONFERENCE EVENTS

The scientific program of the conference will consist of oral
presentations and poster sessions as well as plenary and invited
sessions. The official language of the conference is English. A
technical exhibition with contributors from industry and research will
be associated with the conference. The proceedings will be published
by Springer Verlag in the LNCS series and will be distributed at the
conference. CAIP'97 will be accompanied by a pre-workshop on the topic

Algebraic Frames of Perception-Action Cycle (AFPAC) on Sept. 8-9. A
separate Call for Papers will be issued for this Workshop (see
http://www.informatik.uni-kiel.de/~caip97/afpac).

LOCATION AND TIME

The venue of the CAIP'97 conference will be Kiel. Kiel is the capital
of Schleswig-Holstein, the most northern state of the Federal
Republic of Germany. Kiel is located at the Baltic Sea and is
well-known from the international sailing regattas attracting
thousands of sailors every year. The weather in Kiel in September is
rather mild with temperatures 15-20 C and a typical refreshing breeze.
The conference will take place at the Auditorium Maximum of the
Christian-Albrechts-University Kiel from Wednesday, Sept. 10 till
Friday, Sept. 12, 1997.

Kiel can easily be reached by train or by car from Hamburg in about
one hour or by ferry from Goteborg, Oslo, or St'Petersburg. National
flights connect Frankfurt and Berlin with Kiel. The closest
international airport is at Hamburg and is directly connected with
Kiel by the airport bus ``Kielius''.

REGISTRATION FEE AND ACCOMMODATION

The organizers plan to follow the policy of former CAIP conferences
supporting participation of Eastern and Central European countries.
There will be several possibilities for stipends of participants with
accepted papers. Furthermore students with accepted papers from any
country may apply for financial support as soon as they receive the
notification of acceptance. The final policy of registration fees and
up-to-date information on the conference can be found in the
CAIP-WWW-page.

ADDRESS

Prof. Dr.Gerald Sommer
Institut fuer Informatik
Christian-Albrechts-Universitaet Kiel
Preusserstr. 1-9
D-24105 Kiel, Germany

email: caip97@informatik.uni-kiel.de
WWW: http://www.informatik.uni-kiel.de/~caip97/
Tel: +49 431 560473 Fax: +49 431 560481

==
Here is the CFP for a workshop on information filtering which may
interest some of you:
==
>From: sorensen@csvax1.ucc.ie
>Subject: CFP Wks. Pract. Appl. Information Filtering

Call for Papers

Workshop on Practical Applications of Information Filtering

to be held in conjunction with

First International Conference on Practical Aspects of Knowledge Management
(PAKM)

Basel, Switzerland

October 30-31, 1996

Information filtering is an aspect of knowledge management which has been the
focus of concerted research in recent times. This has arisen because of the
increasing volumes of electronically stored information being made available.
Unlike information retrieval or data mining, both of which address problems
associated with static document databases, filtering applies to transiently
occurring information on a computer network. The basic aim of information
filtering is to route through to a user those source documents deemed relevant
to his/her needs, possibly ranking them by estimated relevance; documents
deemed not to be relevant are filtered out. Estimation of relevance is carried
out by comparing a user profile - embodying knowledge of a user? ongoing
interests - with incoming documents in an information stream. It may be
expected that, as a user? interests change or evolve, the corresponding user
profile is adjusted accordingly.

Example user scenarios in which information filtering would be an appropriate
tool might include the following:

- A journalist in a newsroom may be following developments of a certain
story - or particular aspects of a story - over a prolonged time period.
As such, he/she may wish to have relevant newswire articles filtered
through. Also, as certain aspects of the story begin to assume
importance to the journalist, the nature of articles received might be
expected to change.

- A financial institution trades stock internationally. Beside the normal
world-wide monitoring of stock exchanges, it also needs to have knowledge
of world events which might affect stock prices: weather conditions in a

particular location; earthquakes; military coups; government changes or collapses; interest rate changes. Toward this end, the institution may employ people to monitor the API and FT newswires, pertinent USENET Newsgroups, etc.

- The manager of the Information Systems division of a company needs to keep up to date regarding the relative benefits of a competing range of software and hardware products. To do this, he/she wishes to monitor computer mailing lists and USENET News to locate articles containing meaningful comparisons. As with the other cases, the important issue is that only relevant articles are presented, with irrelevant contributions screened out, i.e., filtering takes place on the incoming information. Also, as the manager's needs change (e.g. a hardware purchase is made or a software product is eliminated from further consideration), the nature of information being routed through should automatically adapt.

PAPERS:
The purpose of this workshop is to examine currently available practical applications of information filtering, to assess the impact of the technology, to evaluate its successes and failures and to appraise its future utility as a practical application of knowledge management. Papers are invited on any aspect of information filtering, but emphasis will be placed on real-world systems and approaches. It is thus desirable that the paper be linked to some specific user scenario, such as one of those listed above. A non-exhaustive list of topics is included below:

* Applications of Filtering * Filter System Architectures
* Profile / Document Representation * Profile / Document Comparison
* Profile Adaptation * Profile Optimisation
* User Interfaces * User Modelling
* Evaluation Techniques * Multimedia/Hypermedia Filtering

Paper Submission Details:
Paper Length: 5000 words maximum
Submission Date: June 28, 1996
Notification of Acceptance: August 1, 1996
Final Papers Due: September 15, 1996

DEMONSTRATIONS:
Software demonstrations related to the workshop topics are also encouraged. These may or may not be associated with a paper being presented. Conference organisers will provide a room where such demonstrations can be given during lunch breaks and at other times. Lunch, exhibitions and demonstrations will take place in the same or adjacent rooms.

Submission deadlines for software demonstrations are as for papers, given above.

PARTICIPATION:
Beside being open to people presenting papers and demonstrating systems, the workshop will be open to practitioners interested in concretely applying information filtering strategies. Workshop participants presenting a paper will, however, qualify for a reduced conference fee. Refer to the main conference's general information (URL below) for participation details.

ORGANISERS:
Alan Smeaton Humphrey Sorensen
School of Computer Applications, Computer Science Department,
Dublin City University, University College,
Dublin 9, Cork,
Ireland. Ireland.
Alan.Smeaton@CompApp.DCU.IE sorensen@odyssey.ucc.ie

Web Information on PAKM Conference:
http://expasy.hcuge.ch/sgaico/html/pakm.html

==
This workshop on energy minimization methods seems very interesting:
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>From: erh@minster.cs.york.ac.uk
>Subject: CFP: Workshop on Energy Minimization in CV/PR

CALL FOR PAPERS

International Workshop on
ENERGY MINIMIZATION METHODS IN
COMPUTER VISION AND PATTERN RECOGNITION

Venice, Italy, May 21-23, 1997

Energy minimization methods represent a fundamental methodology in computer vision and pattern recognition, with roots in such diverse disciplines as Physics, Psychology, and Statistics. Recent manifestations of the idea include Markov random fields, relaxation labeling, various types of neural networks, etc. These techniques are finding application in areas such as early vision, graph matching, motion analysis, visual reconstruction, etc. The aim of this workshop is to consolidate research efforts in this area, and to provide a discussion forum for researchers and practitioners interested in this important yet diverse subject.
The scientific program of the workshop will include the presentation of

invited talks and contributed research papers. The workshop is sponsored by
the International Association for Pattern Recognition (IAPR) and
organized by the Department of Applied Mathematics and Computer Science of
the University of Venice "Ca' Foscari."

Topics

Papers covering (but not limited to) the following topics are solicited:

Theory: (e.g., Bayesian contextual methods, biology-inspired methods,
discrete optimization, information theory and statistics, learning
and parameter estimation, Markov random fields, neural networks,
relaxation processes, statistical mechanics approaches, stochastic methods)

Methodology: (e.g., deformable models, early vision, matching, motion,
object recognition, shape, stereo, texture, visual organization)

Applications: (e.g., character and text recognition, face processing,
handwriting, medical imaging, remote sensing)

Program co-chairs

Marcello Pelillo, University of Venice, Italy
Edwin R. Hancock, University of York, UK

Invited speakers

Anil K. Jain, Michigan State University, USA
Josef Kittler, University of Surrey, UK
Alan L. Yuille, Harvard University, USA
Steven W. Zucker, McGill University, Canada

Venue

The workshop will be held at the University of Venice "Ca' Foscari."
The lecture theater will be in the historic center of Venice, and
accommodation will be provided in nearby hotels.

Submission procedure

Prospective authors should submit four copies of their contribution(s)
by September 9, 1996 to:

Marcello Pelillo (EMMCVPR'97)
Dipartimento di Matematica Applicata e Informatica
Universita' "Ca' Foscari" di Venezia
Via Torino 155, 30173 Venezia Mestre, Italy
E-mail: pelillo@dsi.unive.it

The manuscripts submitted should be no longer than 15 pages, and the
cover page should contain: title, author's name, affiliation and address,
e-mail address, fax and telephone number, and an abstract no longer than
200 words. In case of joint authorship, the first name will be used for
correspondence unless otherwise requested.
All manuscripts will be reviewed by at least two members of the program
committee. Accepted papers will appear in the proceedings which are expected
to be published in the series Lecture Notes in Computer Science by
Springer-Verlag, and will be distributed to all participants at the workshop.
In order to get a high-quality book with a uniform and professional
appearance, prospective authors are strongly encouraged to use the
LaTeX style file available at the WWW site indicated below.

Important dates

Paper submission deadline: September 9, 1996
Notification of acceptance: December 1996
Camera-ready paper due: February 1997

Homepage

Information on the workshop is maintained at

http://Dcpu1.cs.york.ac.uk:6666/~adjc/EMMCVPR97.html

This page will be updated continuously and will include information on
accepted papers and the final program.

Concomitant events

During the week following EMMCVPR'97, participants will have the opportunity
to attend the 3rd International Workshop on Visual Form (IWVF3) to be
held in Capri, May 28-30. For additional information please contact any of
the co-chairmen Carlo Arcelli (car@imagm.na.cnr.it), Luigi Cordella
(cordel@nadis.dis.unina.it), and Gabriella Sanniti di Baja
(gsdb@imagm.na.cnr.it), or see
http://amalfi.dis.unina.it/IWF3/iwvf3cfp.html

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Here is the CFP for an Ukrainian international conference:
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-------------------------CALL FOR PAPERS----------------------------

Third All-Ukrainian International Conference on
Signal/Image Processing and Pattern Recognition
Institute of Cybernetics, National Academy of Sciences, Kyjiv, UKRAINA
26th-30th November 1996

Ukrainian Association on Information Processing and Pattern Recognition
(UAsIPPR), National Academy of Sciences * Institute of Cybernetics,
Academy of Engineering Sciences * Informatization and Automatization Division,
Ukrainian Engineering Society declare of the third in a series of All-Ukrainian
International conferences focussing on the theory and applications of
Signal/Image Processing and Pattern Recognition UKROBRAZ-96.

The Conference will held from the 26th to the 30th of November 1996 in NAS
Institute of Cybernetics (40 Academician Hlushkov ave, Kyjiv 252022, Ukraina).

Papers are invited in the following topics:
* Methodological Problems of Pattern Recognition;
* Theoretical Basis of Signal Processing and Recognition;
* Theoretical Basis of Image Processing and Recognition;
* Computer and Discrete Geometry Problems;
* Simulating and Research Systems;
* Training and Selftraining Problems in Pattern Recognition;
* Automatic Recognition, Understanding and Synthesis of Speech Signals;
* Technological Diagnostics of Objects and Machines on its Signals and Fields;
* Printed and Hand-Written texts Processing and Recognition;
* Drawing and Graphic Picture Processing and Recognition;
* Photopictures Processing and Recognition;
* Scene Processing, Recognition and Understanding;
* Processors Architecture for Signal/Image Processing and Recognition;
* Signal/Image Input/Output Means and Multimedia Systems;
* Signal/Image Filtering, Compression, Reconstruction and Synthesis;
* Advanced Information Technologies and Systems based on Signal/Image
Processing;
* Audiovisual Data and Knowledge Bases of Different Purpose;
* Multimodal means of Human-Machine Communication.

To take part in the Conference work it is necessary to submit such materials:

1) an application from every participant on a separate sheet with indication of
surname, name and patronymic, scientific degree and rank, post, place of work,
address, phone and fax numbers and e-mail address;
2) two copies of a short paper report in Ukrainian or English with not more
than 9000 characters -- for those who want to be authors of the Proceedings.
Deadline for submission is 1 October 1996.

Proceedings (short paper records) will be published before the Conference
beginning.

The reports texts should have an annotation in English or Russian
(not more than 900 characters).
For an example of text formatting see UkrOBRAZ-94 Proceedings.

Simultaneously text reports should be prepared with the help of text
editor Microsoft Word 6.0 for Windows and submitted on a diskette valid
for further processing and preparing to computer printing. It is
allowed to send files with the reports via e-mail. For this purpose
files should be compressed with the help of ARJ and then encoded by the
program UUENCODE. Publication of materials which are not satisfy the
technical requirements is not guaranteed. For consultation on the
reports computer files preparation you may ask to the Organizing Committee.

The Conference Organizers reserve the right for conference programme
forming and reports selection.

Registration fee is equivalent to $10 for each participant (it includes
the price of a copy of the Proceedings) and is sent before 1st of
October 1996 to payment account of UAsIPPR No 700919 in AKB "Perkombank",
MFO 321712. Bank address is: 17 Petra Sahajdachnoho street,
Kyjiv 252070 Ukraina. In the money transfer order should be pointed
"Registration fee for participating in the conference UKROBRAZ-96"
and the surname and initials of the participant as well.

PROGRAMME AND ORGANIZING COMMITTEE

Taras Vintsiuk is a chairperson,
Olha Havryliuk, Volodymyr Krakovs'kyj, Anatolij Kulias.

40 Academician Hlushkov Avenue, Kyjiv 252022 Ukraina
NAS Institute of Cybernetics

Tel.: +380 44 266-4356, +380 44 266-3018, +380 44 266-3019, +380 44 267-6035.

Recommendations for the records texts preparation:

Basic font: Ukrainian Kudriashov
Basic font size: 10
Font for equations: Symbol
Text size: 140 mm x 200 mm

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============================================================
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This is the CFP for a conference on knowledge based systems. This is
at the fringe of this TC's interests, but may be of interest to some
of you:
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============================================================
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>From: kbcs@konark.ncst.ernet.in (KBCS Word Processing)
>Subject: CFP: KBCS-96 Conference on Knowledge Based Computer Systems

Call for Papers
CONFERENCE ON
KNOWLEDGE BASED COMPUTER SYSTEMS
National Centre for Software Technology
Bombay, India
December 16-18, 1996

The Conference on Knowledge Based Computer Systems will be held in Bombay,
India during December 16-18, 1996. The conference is intended to act as a
forum for promoting interaction among researchers in the field of Artificial
Intelligence in India and abroad. There will be a two day conference during
December 16-17, 1996 followed by one day of post-conference tutorials on
December 18, 1996.

Papers are invited on substantial, original and unpublished research on
all aspects of Artificial Intelligence, including, but not limited to the
following:
o AI Applications o AI Architectures
o Artificial Life o Automatic Programming
o Cognitive Modeling o Expert Systems
o Foundations of AI o Genetic Algorithms
o Information Retrieval o Intelligent Tutoring Systems
o Knowledge Acquisition o Knowledge Representation
o Machine Learning o Machine Translation
o Natural Language Processing o Neural Networks
o Planning and Scheduling o Reasoning
o Robotics o Search Techniques
o Speech Processing o Theorem Proving
o Uncertainty Handling o User Interfaces
o User Modeling o Vision

Programme Committee
S. Arunkumar, IIT, Bombay Amitava Bagchi, IIM, Calcutta
Pushpak Bhattacharya, IIT, Bombay Margaret A. Boden, U of Sussex, UK
B. B. Chaudhuri, ISI, Calcutta R. Chandrasekar, NCST, Bombay
S. S. Gupta, TUL, Bombay Aravind K. Joshi,
U of Pennsylvania, USA
Robert Kowalski, Imperial College, UK H. N. Mahabala, INFOSYS, Bangalore
M. Narasimha Murthy, IISc, Bangalore R. Narasimhan, CMC, Bangalore
S. Ramani, NCST, Bombay (Chair) Patrick Saint-Dizier,
U of Paul Sabatier, France
R. Uthurusamy, GMR, USA M. Vidyasagar, CAIR, Bangalore

Format of Submission
Authors should submit their papers, not to exceed 5000 words (including
figures and references) either electronically or in hard copy. Papers
should be in English. Papers should include an abstract of about 100-200
words in length. Papers outside the specified length are subject to
rejection without review. Since reviewing will be "blind", the authors'
names and affiliations along with the main area of the paper should be given
only on a separate cover sheet. Hard copy submissions should be sent in
triplicate. Papers in electronic form can be in any of the following
formats: plain text, Postscript, Latex, Microsoft Word (RTF format) or
Wordstar. Submissions in electronic form are preferred.

Send papers to the KBCS-96 Secretariat at the address below.
Paper Submission Deadlines

o Papers due: July 31, 1996

o Acceptance Notification: October 15, 1996

o Camera Ready Copy due: December 1, 1996

Call for Tutorials
Proposals are invited for post-conference tutorials. Tutorials can be
half-day or full-day, and will be held on December 18th, 1996. The
proposal should be presented in the form of a 200-word abstract, one page
topical outline of the content, description of the proposers and their
qualifications relating to the tutorial content.

Tutorial Submission Deadlines

o Proposal Submission: July 31, 1996

o Acceptance Notification: August 31, 1996

o Complete Tutorial materials due: December 1, 1996

Send proposals to the KBCS-96 Secretariat at the address below.

Organizing Committee
George Arakal, NCST (Chair) K.S.R. Anjaneyulu, NCST
P. Ravi Prakash, NCST Durgesh D. Rao, NCST
M. Sasikumar, NCST T. Suresh, NCST
Uday Gupte, NCST

For further information please refer to the KBCS-96 home page or
write to the KBCS-96 Secretariat.

Address
KBCS-96 Secretariat Phone : +91 (22) 620 1606
National Centre for Software Technology Fax : +91 (22) 621 0139
Gulmohar Cross Rd No. 9 E-mail : kbcs@konark.ncst.ernet.in
Juhu, Bombay 400 049, India
URL : http://konark.ncst.ernet.in/~ kbcs/kbcs96.html

==
A special issue of CVIU on CAD-Based vision is in preparation. Here is
the CFP:
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>Subject: Call for Papers: CAD-Based Vision Special Issue
>From: "Patrick J. Flynn" <flynn@eecs.wsu.edu>

CALL FOR PAPERS

Special issue of

Computer Vision and Image Understanding
on
CAD-Based Computer Vision

Guest Editors:

Patrick J. Flynn, Washington State University (flynn@eecs.wsu.edu)
George C. Stockman, Michigan State University (stockman@cps.msu.edu)

Description:

Papers are solicited for a special issue of Computer Vision and Image
Understanding on the subject of CAD-Based Computer Vision. The purpose of the
special issue is to summarize the state of the art and showcase emerging new
techniques for the integration of computer-aided design techniques and
principles into systems which model and recognize two- and three-dimensional
objects.

Possible topics for submitted papers include, but are not limited to
+ Multiple-use representations of objects (e.g., manufacturing, recognition,
inspection).
+ Implications of large object model databases on recognition (indexing,
hashing, etc.).
+ Bottom-up, top-down, and hybrid construction of models using image data and
prior knowledge (semi-automatic or automatic object modeling).
+ Incorporation of sensor models in recognition and representation strategies.
+ Representation and recognition of free-form objects.
+ Optimization of mesh (polygonal) models
+ Comprehensive surveys of the state of the art in CAD-based vision

Submission Instructions:

All submissions will be refereed in accordance with the CVIU reviewing
guidelines. Manuscripts will not be accepted if they have been previously
published.

Please submit four copies of your paper ACCORDING TO CVIU GUIDELINES (available
on the CVIU WWW site and also in the INSTRUCTIONS FOR AUTHORS section of the
journal) to:

Dr. Patrick J. Flynn
School of Electrical Engineering and Computer Science
Washington State University
Pullman, WA 99164-2752 USA

Schedule:
Manuscript submission deadline: October 1, 1996
First set of reviews to authors: April 1, 1997
Final manuscripts due: August 1, 1997
Publication of Special issue: March, 1998

For further information, please contact
Patrick J. Flynn (flynn@eecs.wsu.edu)
George C. Stockman (stockman@cps.msu.edu)

CVIU Web Page:
http://RVL4.ecn.purdue.edu/~kak/cviu.html

CAD-Based Vision Special Issue Web page:
http://www.eecs.wsu.edu/~flynn/cbv.html

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The journal of electronic imaging is also preparing a special
section, on neural nets and fuzzy logic . Here is the CFP:
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>From: Hong Yan <yan@ee.usyd.edu.au>
>Subject: Call for Papers: JEI Special Section on Neural Nets and Fuzzy Logic

CALL FOR PAPERS
JOURNAL OF ELECTRONIC IMAGING
Special Section on
Neural Networks and Fuzzy Logic for Imaging Applications
July 1997

In recent years neural network and fuzzy logic based methods
have found widespread applications in many fields of research
and development. This special section aims to present new
imaging techniques based on neural net and fuzzy logic approaches.
Potential authors are invited to submit papers in the following areas:
theoretical work and robust neural and fuzzy algorithms developed for
imaging applications, practical problems solved using neural and fuzzy
technologies, comparison of neural and fuzzy algorithms with other
methods, summary of research activities on neural nets and fuzzy logic
in major research centers. Suggested length of the manuscript
(double spaced) is 20 to 30 pages.

Manuscripts due November 15, 1996.

Please send manuscripts to:

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E-mail: guptam@sask.usask.ca

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Here is some info (shortened) on a workshop on data analysis in astronomy:
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>From: cettina@ifcai.pa.cnr.it (Cettina Maccarone)
>Subject: "Data Analysis in Astronomy V", Registr. deadline: August 30, 1996

5-th International Workshop on
" DATA ANALYSIS IN ASTRONOMY "

CCSEM, Ettore Majorana Center for Scientific Culture,
October 27 - November 3, 1996, Erice, Italy

Second Announcement

Current information on the programme and the organization
is available via World Wide Web:

http://www.ifcai.pa.cnr.it/Erice96

Purpose of the Workshop

"Data Analysis in Astronomy" Workshop series provides an overview
of advanced methodologies and their applications to astronomy and
astrophysics; it is a natural forum where astrophysicists and
computer scientists discuss, debate and compare results and methods,
theory and experiments.

Scientific Programme

The scientific programme will be mainly concentrated on advanced methods
of analysis, data fusion, information retrieval, and their application
to astronomical data. Emphasis will be given to the space missions now
in operation. A special session will be devoted to the Italian/Dutch
satellite SAX for wide band observations in X-ray astronomy, successfully
launched on April 30, 1996.
The topics will be covered by invited and solicited lectures, and by
contributions in guided poster sessions.

Invited Lecturers

P.A. DEVIJVER, ENST de Bretagne, Brest, France,

" Applications of Markov models to image processing "
B. HANISCH, STScI, Baltimore, USA,
" Methods and Problems in Optical Astronomy Data Management
and Analysis "
A. HECK, Observatoire Astronomique, Strasbourg, France,
" Electronic Astronomical Information Handling "
K. HURLEY, SSL, University of California, Berkeley, CA, USA,
" Methods and Problems in the Analysis of Gamma-Ray Burst Data"
A.K. JAIN, Michigan State University, East Lansing, MI, USA,
" Progresses in Computer Vision "
L. PADRIELLI, IRA/CNR, Bologna, Italy,
" Methods and Problems in Radio Astronomy Data Analysis "
L. SCARSI, University of Palermo and IFCAI/CNR, Palermo, Italy,
" The SAX Mission "
T. TAXT, University of Bergen, Norway,
" Data Fusion "
H.U. ZIMMERMANN, MPE Max-Planck-Inst., Garching bei Munchen, Germany,
" Methods and Problems in X-Ray Astronomy "

Solicited Lecturers:

[see archives]

Poster Contributors:

[see archives]

Workshop Proceedings

All presented lectures and contributions will be published in a volume
of the special series dedicated to the Data Analysis in Astronomy
workshops at the CCSEM Center.

Registration

The total fee, which includes full board, social events and lodging is
$700 USD. It can be paid at your arrival in Erice.

Important Dates

August 30, 1996 Deadline for participants registration

September 25, 1996 Participants acceptance notification

Oct. 27 - Nov. 3, 1996 Workshop

Contact Addresses

Workshop Web page:

http://www.ifcai.pa.cnr.it/Erice96

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==
I got this job announcement from Caere Corp. Pass this on to people
who might be interested...
==
>From: tapas@caere.com (Tapas Kanungo)
>Subject: OCR Job Announcement / Caere Corp.

CAERE CORPORATION IS SEEKING WORLD-CLASS R&D SOFTWARE ENGINEERS

Caere is the industry leader in optical character recognition (OCR)
and a leading provider of intelligent document management, forms
processing, and image recognition technologies. Caere's mission is to
simplify the way people gather, access and use information.

Caere is now interviewing for several R&D SOFTWARE ENGINEERS, working
with the Core Technologies group, to design, implement, and
productize the next generation of document recognition and management
software. The Core Tech culture emphasizes teamwork, enthusiasm and
mutual respect. The environment is product-oriented, as opposed to
pure research.

If you are ...

* eager to work with a top team to solve some of the most
challenging problems in automated document processing;

* turned on by developing state-of-the-art software to provide
the technologies of the future;

* eager to work with other talented engineers in a fast-paced
product environment;

... then Caere may be the place for you.

Job Requirements

* Excellent problem-solving skills
* Strong hands-on programming skills, with at least 2 years C
experience
* Masters or Ph.D. in C.S., E.E., Statistics,
Math, or Physics
* Strong skills/aptitude in the following areas:
* designing complex software algorithms, applying
scientific/statistical methodology
* comprehending and building upon complex pre-existing software
systems
* software design methodology
* memory management and speed optimization
* professional craftsmanship
* task commitment
* Pluses include:
* commercial software development experience, C++, pattern
recognition, image processing, speech, neural networks, natural
language processing

Salary Range:
* Depends on experience level

If you interests and skills match our needs, then please send your
resume to:
Dave Barlow
email: barlow@caere.com
fax: 408-395-5263
Caere Corp.
100 Cooper Court
Los Gatos, California 95030

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Well, that's it for this time. Looking forward to meeting many of you
in Vienna...

Your TC10 chairman,

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Batiment LORIA, BP 239, 54506 Vandoeuvre CEDEX, France
Phone: +33 83.59.20.71 --- Fax: +33 83.27.83.19 --or-- +33 83.41.30.79
WWW URL: http://www.loria.fr/~tombre