

Newsletter 34

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Dear TC10 members and friends,

Once again, it's time for a new issue of TC10 news. A lot of information this time again, although it's not the most active period for our community (at least in terms of announcements, etc.).

I want to remind you that since last mailout, I have decided to shorten some of the announcements, but to update regularly full versions of these announcements (and some other info which is not circulated in this mailing list) on my WWW pages. My general WWW page is at URL <http://www.loria.fr/~tombre/>. The TC10 page is at <http://www.loria.fr/~tombre/tc10.html>, where you can also find the archives of this mailing list. There is a list of pointers to additional information at URL <http://www.loria.fr/~tombre/vision.html>, where you can also find the archives of CFPs and advance programs announced here, and some others which I don't announce here because they are too far from the scope of interest of this mailing list. We have definitely come into the era of the web, anyway...

ICDAR'95 was held in August; now we have begun to prepare actively the next ICDAR, to be held in Ulm (Germany) in 1997. Here comes a CFP. Information on this conference is also available at URL <http://www.icdar97.dbag.ulm.daimlerbenz.com/> with a mirror site in America at URL <http://www.rtna.daimlerbenz.com/spitz/icdar97.html> so please update your web bookmarks!

ICDAR '97

Fourth International Conference
on Document Analysis and Recognition
August 18-20, 1997, Ulm, Germany

Call for Papers [shortened -- full version available online]

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You are invited to participate in the fourth International Conference on Document Analysis and Recognition to be held on August 18-20, 1997 at the Ulm Conference Center in Ulm, Germany.

The conference is sponsored by the International Association for Pattern Recognition (IAPR) Technical Committees 11 and 10, the International Graphonomics Society (IGS), the German Association for Computer Science (GI), and the German Association for Information Technology (ITG).

This conference is a unique International Forum for identifying, encouraging and exchanging ideas on research, development and novel applications dealing with documents -- in any language -- and how to make the contents of document images computer-accessible. The topics will include, but are not limited to:

Document Image Processing
Color Image Processing
Image Compression
Distortion Removal

Character Recognition & Segmentation
Touching & Broken Characters
Cursive Script Recognition
Isolated Unconstrained Characters
Large Vocabulary

On-Line Recognition
Handwritten Characters & Symbols
Drawings & Gestures
Pen Based Interface
Signature Verification

Storage & Retrieval of Documents
Document Image Filing
Automated Indexing

Information Extraction
Retrieval of Text and Pictures

Hypermedia Processing
Multimedia Processing
Electronic Books & Hypertext
Multimedia Databases

Applications and Systems
Forms & Bank-Cheque Reading
Office OCR Systems
Postal Automation
Geographical Information Systems
Industrial & Business Applications

Document Image Analysis
Layout Analysis
Logical Structure Analysis
Recognition of Forms

Text & Document Understanding
Text Analysis & Recognition
Use of Linguistic Knowledge
Use of Domain-Specific Knowledge
Multilingual Text Understanding

Map and Engineering Drawings Interpretation
Map Interpretation
Diagram/Drawing Understanding
Musical Score Recognition

Theoretical Approaches
Neural Networks
Genetic Algorithms
Expert Systems
Psychological Models
Image Degradation Models

Implementations
Hard & Software-Architectures
Software Packages
Automatic Learning & Adaptation

Research Environments
Software Tools
Research Databases
Performance Evaluation
Standardization

Presentation:

The Conference will include oral and poster presentations and invited talks by distinguished researchers. Posters with a demonstration will be considered at the time of paper submission upon request by the authors. All presentations will be in English.

Paper Submission:

Papers should describe original and unpublished work. Those who wish to present a paper are requested to submit four copies of a double-spaced complete paper of not more than 20 pages by December 1, 1996 to one of the Program Chairmen listed below. The first page of the manuscript should contain a title, affiliation, mailing address, phone/fax numbers and e-mail address of the contact author. The second page should include a title, a 200-word abstract, and keywords. Papers accepted for presentation will be published in the conference proceedings, i.e. six pages (approximately 5000 words including figures) for long papers and four pages (3500 words) for short papers and poster papers. We do not review papers submitted by facsimile or e-mail.

Dr. Henry Baird
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Prof. Yasuaki Nakano
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E-mail: nakano@cs.shinshu-u.ac.jp

Important Dates:

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Paper Submissions December 1, 1996
Notification of Acceptance March 1, 1997
Camera Ready Paper May 1, 1997

For further information, please contact the Conference Secretariat
or one of the Publicity Co-chairs:

Secretariat -- ICDAR '97
c/o Daimler Benz Research Center Ulm
Wilhelm Runge Str. 11
89081 Ulm, Germany
Phone: (49) 731-505-2151
Fax: (49) 731-505-4105
E-Mail: icdar97@dbag.ulm.daimlerbenz.com

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DAS'94 was a great success. DAS'96 will be held in Pennsylvania. Here
is the CFP:

>From: hull@cache.crc.ricoh.com (Jonathan Hull)
>Subject: CFP: DAS'96

International Association for Pattern Recognition Workshop on
Document Analysis Systems
Malvern, Pennsylvania, October 14-16, 1996

Call for Papers

An intensive, three-day, single-track, 100% participation
workshop on the research and development of systems for the
analysis of document images.

Academic and industrial researchers, end-users and students are
encouraged to attend. We expect to provide several student scholarships

Attendance will be limited to 75 people. Papers will be delivered in a
single-track format. A portion of the workshop will also be devoted
to panel discussions and working groups. Participants will be invited
to propose topics for these in advance. There will be ample
opportunity for informal discussion and socializing.

Sponsors

Loral Defense Systems-Eagan
Ricoh Corporation
U.S. Department of Defense

Topics

- descriptions of complete, working document image analysis systems,
including applications to large document image databases
- applications to text, graphics, maps, logic diagrams, music, etc.
- studies of system architectures
- methods of performance evaluation for whole systems or system modules
- interfaces to knowledge databases and post-processors
- algorithms for symbol recognition
- layout segmentation

Submission of Papers

Authors are invited to submit either a full paper or an abstract of
remarks. Full papers, of up to book-chapter length, will be presented

formally, published in a limited number of refereed Proceedings available at the meeting, and considered for archival publication in a post-workshop book. Abstracts of remarks, one page in length, will be delivered more briefly, and will not be published in the Proceedings. Authors should submit four copies of each paper or abstract, cleanly typed and in English. If there are several authors, please indicate the author that will handle all correspondence. The email address of the corresponding author should be provided.

If any part of a full paper has been submitted to another conference, please state where it has been submitted and how it differs from this paper.

Acceptance of a paper or abstract will result in automatic distribution of registration materials.

Send full papers, abstracts, or inquiries about the technical program to:

Jonathan J. Hull
Ricoh California Research Center
2882 Sand Hill Road, Suite 115
Menlo Park, CA 94025 USA
TEL: 415-496-5723 FAX: 415-854-8740 EMAIL: hull@crc.ricoh.com

Organization

Chairs

Suzanne Liebowitz Taylor Loral Defense Systems-Eagan (USA)
Jonathan J. Hull Ricoh California Research Center (USA)

Program Committee

Henry Baird, AT&T Bell Laboratories (USA)
Horst Bunke, University of Berne (Switzerland)
Dick Casey, IBM Almaden (USA)
Andreas Dengel, German Research Center for Artificial Intelligence (Germany)
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Hiromichi Fujisawa, Hitachi (Japan)
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Daniel Lopresti, Panasonic Technologies (USA)
Guy Lorette, IRISA, University of Rennes 1 (France)
Juergen Schuermann, Daimler Benz (Germany)
Larry Spitz, Daimler Benz (USA)
Sargur N. Srihari, CEDAR-SUNY/Buffalo (USA)
Karl Tombre, INRIA Lorraine & CRIN/CNRS (France)
Kazuhiko Yamamoto, Gifu University (Japan)

Important Dates

April 1, 1996 Submission of full Papers
June 15, 1996 Acceptance of full papers
July 1, 1996 Submission of abstracts
August 1, 1996 Acceptance of abstracts
August 15, 1996 Camera-ready copy of full papers
September 1, 1996 Registration payment and hotel reservation

Workshop Information

Pre-registration will be required.
Information about the workshop and the registration procedure will be available over the World Wide Web at:

<http://www.vfl.paramax.com/pub/das>

Other inquiries about local arrangements, registration, and scholarships should be directed to:

Suzanne Liebowitz Taylor
Loral Defense Systems-Eagan
70 E Swedesford Road
Paoli, PA 19301-0517

TEL: 610-648-2009 FAX: 610-648-2288 EMAIL: das@vfl.paramax.com

We also have a national conference on document analysis here in France. Here is the (shortened) CFP:

>From: Michel.Gilloux@srt-poste.fr (Michel Gilloux)
>Subject: CFP: Document Processing

CNED'96

4th French National Conference on Writing and Document

Nantes, France, July, 3rd, 4th and 5th 1996

Call for Papers

The French National Conference on Writing and Document is an event created by the AFCET (French Association on Information Technologies and Sciences and on Systems) technical group on Automatic Processing of Written Matter and by the Group for Written Communication Research. CNED is a biennial event and aims at getting together all the different practitioners (researchers, students, industrials, users, etc.) of written matter and document processing in France and in the french speaking community to update the state of the art in the domain.

Topics

- Analysis and recognition of document images
- Document image processing
- Models for generating, segmenting and recognizing written matter
- On-line handwriting recognition
- Analysis of drawings, plans, maps, musical scores, etc.
- Reader models
- Hypermedia
- Hardware architectures for document recognition
- Man-machine interfaces
- Applications

Paper submission

You are invited to submit, before decembre 15th 1995, 5 copies of a paper WRITTEN IN THE FRENCH LANGUAGE. Papers are limited to 8 double-spaced A4 pages and should include at least 6 pages. They must describe methods and systems corresponding to at least one of the themes of the conference. The first page shall include a title, the name of authors and the address of the author to whom all correspondance should be addressed. The second page shall include the title of the paper, an abstract of about 200 words, the topics of the conference covered by the paper and a list of key words. This page will not feature the names of authors.

Papers must be sent to:

Michel Gilloux
Service de Recherche Technique de la Poste - SRTP/RVA
10, Rue de l'Ile-Mabon
F-44063 Nantes Cedex 02
France

Important dates

Paper submission : december 15th, 1995
Notification of acceptance : march 1st, 1996
Camera ready paper : april 30th, 1996

Chairman

D. Barba - SEI/IRESTE
Universite de Nantes, France

Program chair

M. Gilloux - Service de Recherche Technique de la Poste, Nantes, France

Contacts:

Dominique BARBA
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Technique de la Poste
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10, Rue de l'Ile Mabon
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Fax (33) 40 68 30 66
E-mail : cvg@lati.ireste.fr

CNED'96 Secretariat

Nadege BRAUD
SEI/IRESTE
Route de Gachet
CP 3003
F-44087 NANTES Cedex 03
France
Tel. (33) 40 68 30 48
Fax (33) 40 68 30 66
E-mail : cned96@lati.ireste.fr

World Wide Web server:

["http://www.ireste.fr/cned96"](http://www.ireste.fr/cned96)

EP is a conference on electronic documents, and includes in its scope document analysis and recognition:

>From: Jean.Caelen@imag.fr
>Subject: Lapsus-ANNONCE Colloque EP'96 (document électronique)

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EP96: Call for papers
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PLEASE NOTE THAT THE CONFERENCE HAS BEEN RESCHEDULED FOR SEPTEMBER 1996. THE OTHER DATES HAVE CHANGED ACCORDINGLY.
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EP96, the International Conference on Electronic Documents, Document Manipulation and Document Dissemination will be held in Palo Alto, California (USA) at the Xerox Palo Alto Research Center, on September 24-26, 1996. Palo Alto is approximately 65 kilometers from downtown San Francisco and 40 kilometers from the San Francisco International Airport.

This conference will be the sixth in a series of international conferences organized to promote the exchange of novel ideas in the area of computer manipulation of documents.

The first two conferences in the EP series, EP86 held in Nottingham, England, and EP88 in Nice, France, concentrated mainly, on the specific aspects of the production of documents by computer, from composition to printing. EP90, which was held in Washington, adopted a broader definition of the term Computer Assisted Publication, and accordingly, included more material on new topics such as the application of data-base techniques to document handling, hypertext and hypermedia systems, and document recognition and analysis. EP92, held in Lausanne, Switzerland, confirmed the trend for documents to impact more and more areas in computer science. EP94, held in Darmstadt, Germany, focused explicitly on document representation, transformation, management and interpretation. EP96 is expected to continue this trajectory.

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Submissions
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Authors are invited to submit papers describing original research results. Submissions will be refereed by the program committee. Accepted papers will be published, as in the last EP conference, as a special edition of Electronic Publishing -- Origination, Dissemination, Design. These proceedings will be available at the conference. Complete papers in English on the following topics are welcomed:

- Modeling and representation of documents

Document structures
Integration of text, images, graphics, sound and video
Integration of document manipulation systems with other software tools
Standards: evaluation and implementation
Active documents, documents as user agents
Object oriented approaches

- Document management

Document preparation systems
Hypermedia and multimedia: standards, production, editing and visualization
Large document collections
Indexing and retrieval techniques
Documents, work and workflow management
Distributed documents: parallel algorithms, multi-user documents
User-machine interfaces

- Document recognition and interpretation

Structural recognition of documents
Filtering and image handling techniques
Multi-lingual documents
Semantic document structures

- Dissemination and presentation of documents

World-Wide Web and other forms of electronic dissemination
Presentation design for electronic dissemination and publishing
Visual and auditory aspects of documents
Document display issues: resolution, quantization levels, colour tables, halftoning

- Document manipulation and education

Electronic document dissemination and education
Computer assisted document production
Experiences in teaching EP
The place of EP in Computer Science Curricula

Papers should be at most 12 pages. Please send a paper version (10 copies) or an electronic version (PostScript) to the Program Chair.

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Tutorials
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A day of tutorials is planned for September 23, 1996, the day before the EP conference.

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PODP Workshop
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The Workshop on Principles of Document Processing (PODP) will be held on September 23, 1996, also on the day before the EP conference. A separate call for papers is being sent out for this workshop. Visit the PODP Web page at <http://www.cs.umbc.edu/conferences/podp/> for further information.

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Main deadlines for EP96
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Today Fill out and mail the reply form to the Conference Secretariat.
April 1, 1996 The full paper should be received by the Program Chair.
June 1, 1996 Notification of acceptance or rejection.
June 15, 1996 Distribution of the program.
July 1, 1996 Final version of the accepted paper should be received by the Conference Secretariat.
September 24--26, 1996 EP96 Conference.

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Accommodation
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A block of rooms is reserved at a hotel in Palo Alto (about three kilometers from the conference site). The hotel is providing a shuttle bus service for conference attendees. The hotel has agreed to accommodate attendees both before and after the conference at the conference rate.

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Organization
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General Chair: Allen L. Brown, Jr.
Program Chair: Anne Bru"ggemann-Klein
Proceedings Editors: Allen L. Brown, Jr. and An Feng
Tutorials Chair: Rolf Ingold
PODP Chairs: Charles Nicholas and Derick Wood
Local Organization: Allen L. Brown, Jr. and An Feng

Sponsors: Xerox Corporation
Further interested parties are cordially invited to contact Allen Brown at the Conference Secretariat.

Program committee:

Jacques Andre' INRIA/IRISA, Rennes, France
Charles Bigelow Stanford University, USA

David F. Brailsford University of Nottingham, UK
Allen L. Brown, Jr. Xerox Corporation, Palo Alto, USA
Heather Brown University of Kent, Canterbury, UK
Anne Bruggemann-Klein Technische Universita"t Mu"nchen, Germany
Giovanni Coray Swiss Federal Institute of Technology,
Lausanne, Switzerland
Anton Eliens Free University, Amsterdam,
The Netherlands
An Feng Xerox Corporation, Palo Alto, USA
Hans-Peter Frei UBILAB, Union Bank of Switzerland,
Zu"rich, Switzerland
Richard Furuta Texas A&M University, USA
Roger D. Hersch Swiss Federal Institute of Technology,
Lausanne, Switzerland
Christoph Hu"ser GMD-IPSI, Darmstadt, Germany
Rolf Ingold University of Fribourg, Switzerland
Brian Kernighan AT&T Bell Laboratories, Murray Hill, USA
Peter King University of Manitoba, Canada
Dario Lucarella CRA-ENEL, Milan, Italy
Pierre MacKay University of Washington, USA
Robert A. Morris University of Massachusetts, Boston, USA
Makoto Murata Fuji Xerox, Tsukuba, Japan
Marc Nanard CRIM, Montpellier, France
Vincent Quint INRIA/IMAG, Grenoble, France
Richard Rubinstein Sun Microsystems, USA
Christine Vanoirbeek Swiss Federal Institute of Technology,
Lausanne, Switzerland
Hans van Vliet Free University, Amsterdam,
The Netherlands
Wang Xuan Peking University, Beijing, China

=====
Addresses
=====

Send general enquiries and the EP96 reply form to
the Conference Secretariat:

EP96
Xerox Corporation
XSoft Division
3400 Hillview Avenue PAHV-127
Palo Alto, California 94304
USA

Tel. +1 415 813-7293
Fax +1 415 813-7188

E-Mail ep96@xsoft.xerox.com

WWW <http://www.xsoft.com/XSoft/ep96.html>

Send submissions of papers to the Program Chair:

Anne Bru"ggemann-Klein
Institut fu"r Informatik
TU Mu"nchen
Arcisstr. 21
80290 Mu"nchen
GERMANY

Tel. +49 89 450552-30
Fax +49 89 450552-22

E-Mail brueggem@informatik.tu-muenchen.de

Send enquiries on the tutorials to the Tutorials Chair:

Rolf Ingold
Institute of Informatics
University of Fribourg
Site Pe'rolles
Chemin du Muse'e 3
CH-1700 Fribourg
SWITZERLAND

Tel. +41 37 298466
Fax +41 37 299731

E-Mail rolf.ingold@unifr.ch

Send enquiries on the PODP workshop to the PODP Chairs:

Charles Nicholas
Department of Computer Science and Electrical Engineering
University of Maryland Baltimore County
Catonsville, MD 21228-5398
USA

Tel. 410-455-2594
Fax 410-455-3969

E-Mail nicholas@cs.umbc.edu

Derick Wood
Department of Computer Science
HKUST
Clear Water Bay, Kowloon
HONG KONG

Tel. +852 2358 6988
Fax +852 2358 1477

E-Mail dwood@cs.ust.hk

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EP96 reply form
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NAME:
FIRST NAME:
AFFILIATION:
ADDRESS:
TEL:
FAX:
TELEX:
E-MAIL:

1. I wish to attend the EP96 conference and receive further information.

2. I wish to submit a paper to EP96 and receive guidelines for the authors
PROVISIONAL TITLE:

3. I wish to follow a tutorial
ON WHICH TOPICS?

In connection with the preparation of ICPR'96, here is a call for tutorials:

>From: wilbur@cast.uni-linz.ac.at (Wilhelm Burger)
>Subject: ICPR'96 Call for Tutorial Proposals

ICPR'96 Call for Tutorial Proposals

The ICPR'96 organizing committee invites proposals for the tutorial program of the upcoming ICPR, which is to be held in Vienna, Austria, August 25-30, 1996. We plan to offer 4 to 6 half-day tutorials on Sunday, August 25, 1996 (the conference starts on Monday).

We are inviting suggestions for suitable tutorial topics and possible speakers (including yourself) and/or to forward this announcement to potential tutorial speakers.

A preliminary list of suggested topics that can be covered by tutorials is given below, but this list should only serve as a guide. Other topics, both related to these and possibly quite different from them, will also be considered:

AI methods in pattern recognition
Computational Geometry
Computing tools and environments
Data mining
Eigen-techniques
Fractal techniques in pattern analysis
Hierarchical methods in image understanding
Image compression
Image databases
Invariants
Neural networks in pattern recognition
OCR
PR for computer graphics, multimedia, virtual reality
Psychophysics, perception, cognition
Real-time systems
Robust statistical techniques
Scale-space techniques
Sensors
Speech recognition
Wavelets
...

As a reference, here is the list of tutorials that were held at ICPR'94 in Jerusalem:

1. "Invariant Theory for Pattern Recognition" (O. Faugeras)
2. "Neural Networks in Pattern Recognition" (Y. le Cun)
3. "Document Image Analysis" (H. Baird and L. O'Gorman)
4. "Statistical Pattern Recognition" (A. Jain)

Requirements for Submission:

A tutorial proposal should contain the following information:

- + A brief description of the tutorial, suitable for inclusion in the conference registration brochure;
- + A detailed outline of the tutorial and a description of why the tutorial topic is of interest to a substantial part of the ICPR audience;
- + The necessary background and the potential target audience for the tutorial
- + A brief resume of the presenter(s), which should include name, postal address, phone and fax numbers, email address if available, background in the tutorial area, any available example of work in the area (ideally, a published tutorial-level article on the subject), evidence of teaching experience.

Those submitting a proposal should keep in mind that tutorials are intended to provide an overview of the field; they should present reasonably well agreed-upon information in a balanced way. Tutorials should not be used to advocate a single avenue of research, nor should they promote a product.

This is the "financial package" for tutorial speakers:

1. Speakers will have their expenses reimbursed in the amount of US\$ 1,000 per tutorial. This can be done as payment of ICPR registration, hotel, and airfare up to US\$ 1,000, or cash payment upon presentation of receipts for the above. Payment without such receipts may be subject to income tax.
2. For each attendant above 20, the speaker will get an additional US\$ 50.
3. A tutorial may be cancelled in the event of insufficient pre-registration. In this case ICPR'96 will have no financial obligation to the speakers, but their ICPR'96 registration will be waved.

Please send all submissions before Jan. 1, 1996 to:

=====
 ICPR'96 Tutorials
 c/o Wilhelm Burger
 Johannes Kepler University
 Dept. of Systems Science
 A-4040 Linz, Austria (Europe)

email: wilbur@cast.uni-linz.ac.at
 phone: +43 732 2468 898
 fax: +43 732 2468 893

Best regards,
 Wilhelm Burger
 (ICPR'96 Tutorials Chair)

 IAPR TC-7 and TC-8 are also organizing 2 workshops in connection with ICPR:

>From: Axel Pinz <pinz@icg.tu-graz.ac.at>
 >Subject: IAPR Workshops

--41c6_167e-2781_446b-794b_15fb
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit
 Content-MD5: gYhjapPfQCAUbUFLwFukCw==

Dear colleague,

attached to this mail you find the announcement and call for papers for 2 satellite workshops to the 13th ICPR.

Both workshops are sponsored by IAPR (Int.Assoc.f.Pattern Recognition) and organized by IAPR Technical Committees:
 TC7 - Applications in Remote Sensing
 TC8 - Applications in Industry

Please help in the announcement and forward this information to colleagues who might be interested in these topics.

The announcement is also on WWW:
<http://fcgsg06.tu-graz.ac.at/workshops/IAPR/welcome.html>

Thank you for your cooperation,
 Axel Pinz

+-----+
 | Axel Pinz Head of Computer Vision Group |
 | |
 | Institute for Computer Graphics Technical University Graz |
 | Muenzgrabenstrasse 11, A-8010 Graz, Austria |
 | |
 | phone +43(316)873-5021 fax +43(316)873-5050 pinz@icg.tu-graz.ac.at |
 +-----+

--41c6_167e-2781_446b-794b_15fb
 Content-Type: application/octet-stream
 Content-Transfer-Encoding: quoted-printable
 Content-MD5: 3ypJ5VBUDU/CHsmI5cDT91Q==
 Content-Description: tc78call
 X-Content-Name: tc78call

Two Simultaneous Joint Workshops
 IAPR TC-7 (Remote Sensing) and IAPR TC-8 (Industry)=20

International Association of Pattern Recognition IAPR
 Technical Committee 7 - Applications in Remote Sensing=20

invites to a

Specialist Workshop
Methods for Extracting and Mapping Buildings, Roads=20
and other Man-Made Structures from Images

September 2 - 3, 1996
Technical University Graz, Austria
Lecture Hall i3, Inffeldgasse 25

Space imagery is becoming available at increasingly higher geometric resolutions, approaching those traditionally reserved to aerial photography. The creation of base maps, the detection of changes, the merging of images from different sensors all benefit from an ability to automatically recognize man-made objects from digital overhead images. =
Yet
this ability is far from being available in a routine manner. To focus attention on this issue we invite you to contribute to, and attend, a specialist workshop. To this end we issue a

CALL FOR PAPERS

for this workshop. Note that it is set to follow the International Conference on Pattern Recognition ICPR, to be held in Vienna, Austria, August 25 - 30, 1996.=20

Please send 3 copies of your extended 1 to 3 page abstract and usual information before 31 January 1996 to the local organizer:=20

Franz Leberl, Chairman of TC-7
Institute for Computer Graphics
Muenzgrabenstrasse 11, A-8010 Graz, Austria
Tel.: ++43 316 873-5012, Fax: ++43 316 873-5050,
e-mail: leberl@icg.tu-graz.ac.at

This workshop is coordinated with the IEEE Geoscience and Remote Sensing Society (IEEE GRS) and with the International Society for Photogrammetry and Remote Sensing (ISPRS, Prof. Dr. Armin Gr=9Fn).=20

Contributions will be selected from the abstracts. We plan to print the full papers as a book. See also <http://fcgsg06.tu-graz.ac.at/workshops/IAPR/welcome.html> for most recent information.=20

Paper submission deadline: 31 Jan 1996 =09
Acceptance notification: 1 May 1996=20
Final camera ready paper: 2 Sep 1996

-----=
Two Simultaneous Joint Workshops
IAPR TC-7 (Remote Sensing) and IAPR TC-8 (Industry)=20

International Association of Pattern Recognition IAPR
Technical Committee 8 - Applications in Industry=20

invites to a

Workshop
Machine Perception Applications=20

September 2 - 4, 1996
Technical University Graz, Austria
Lecture Hall i7, Inffeldgasse 25

Current industrial applications of machine perception reach far beyond standard tasks like industrial inspection and quality control. This workshop will focus on the use of new methods in a variety of computer vision and pattern recognition applications for robotics and =
automation.
Areas of interest include, but are not limited to, integration of =
sensors
and methods, active inspection systems, learning and adaptation of polymorphic models, and autonomous interaction with a possibly unknown =
or
changing environment. We especially invite application-driven contributions dealing with aspects of mid- and high-level computer =
vision
and issue a=20

CALL FOR PAPERS

for this workshop. Note that it is set to follow the International Conference on Pattern Recognition ICPR, to be held in Vienna, Austria, August 25 - 30, 1996.=20

Please submit 3 copies of your 500-1000 word extended abstract before 31 January 1996 to one of the

Workshop Chairmen:

Wolfgang Poelzleitner Axel Pinz
Joanneum Research Technical University Graz
Institute for Digital Image Processing Institute for Computer Graphics

Wastiangasse 6, A-8010 Graz Muenzgrabenstrasse 11, A-8010 Graz
poelzleitner@pbox.joanneum.ac.at pinz@icg.tu-graz.ac.at

Program Committee:

Bruce Batchelor (UK)
Denis Boulanger (CAN) =20
Chris Bowman (NZ)
Horst Bunke (CH) =20
Wilhelm Burger (A)
David Casasent (USA) =20
Cornelia Fermueller (A)
Josef Kittler (GB)
Dietrich Meyer-Ebrecht (D)
Joe Mundy (USA) =20
Stelios Orphanoudakis (GR)
Yoshiaki Shirai (J) =20
Harry Wechsler (USA)

Contributions will be reviewed by the program committee. Papers =
presented
at the workshop will be printed in a book. See also <http://fcggs06.tu-graz.ac.at/workshops/IAPR/welcome.html> for most recent information.=20

Paper submission deadline: 31 Jan 1996 =09
Acceptance notification: 1 May 1996=20
Final camera ready paper: 2 Sep 1996

--41c6_167e-2781_446b-794b_15fb--

----- End of Forwarded Message

Here is the CFP for ICIP'96

>From: Alain Chehikian <chek@kepler.inpg.fr>
>Subject: Intl_Conf_on_Image_Processing_1996
>Date: Fri, 20 Oct 1995 09:35:51 +0100

IEEE SIGNAL PROCESSING SOCIETY /| /|
/ |ICIP / |
1996 INTERNATIONAL CONFERENCE ON IMAGE PROCESSING / _|_ /
September 16-19, 1996 | | | |
| / /
Lausanne, Switzerland | / 96 | /
/ | /

Sponsored by the Signal Processing Society of the Institute of Electrical and Electronics Engineers, ICIP-96 is an international conference on theoretical, experimental and applied image processing. It provides a unique, centralized, forum for presentation of technological advances and research results by engineers and scientists working in Image Processing and associated disciplines.

SCOPE:

1. GENERAL TECHNIQUES AND ALGORITHMS: Filtering, Enhancement, Restoration, Coding, Segmentation, Multiresolution Processing, Multispectral Processing, Image Representation, Image Analysis, Image Understanding, Geometric Transformations, Architecture and Software.
2. COMPUTED IMAGING: Acoustic, Radar, Thermal, Tomographic, X-rays and MR, Geophysical Imaging, Astronomical Imaging, Speckle and Interferometric Imaging, Coded-Aperture Imaging and Real-Aperture Arrays.
3. IMAGE SCANNING DISPLAY AND PRINTING: Scanning and Sampling, Quantization and Halftoning, Color reproduction, Rendering, Graphics and Fonts, Visualization, Image Quality.
4. VIDEO AND MULTIMEDIA: HDTV and Enhanced Quality Television, Packet Video, Video Signal Processor Chips, Image Sequence Processing, Video Data Base, Low Bit Rate and Very Low Bit Rate Coding, Video and Wireless Channels, Access to and Retrieval from Image Data Base.
5. APPLICATIONS: Application of Image Processing technology to any field, including the biomedical sciences, astronomy, geosciences and environment, and document processing.

SUBMISSION PROCEDURES:

Prospective authors are invited to propose papers in any of the technical areas listed above. To submit a proposal, prepare a 2-3 page summary of the paper including figures and references. Send five copies of the paper summary and a cover sheet stating the (1.) paper title, (2.) technical area(s), (3.) contact author's name, (4.) address, (5.) telephone number, (6.) Fax number, and (7.) electronic mail address to:

Prof. Henri Maitre
ICIP-96/ Dept IMA
Ecole Nationale Sup?des T??ommunications
46 rue Barrault
F-75634 Paris Cedex 13
France

Each selected paper (four-page limit) will be published in the
Proceedings of ICIP-96,
using high- quality paper for good image reproduction. Style files in LaTeX will be
provided for the convenience of the authors.

SCHEDULE:

Paper summaries/abstracts due: 8 January 1996

Notification of Acceptance: 9 April 1996

Camera-Ready Papers: 31 May 1996

Conference: 16-19 septembre 1996

CONFERENCE SITE:

ICIP-96 will be held at EPFL, Ecole Polytechnique F?de Lausanne (Swiss Federal
Institute of Technology), Lausanne, Switzerland.

PAPER SUBMISSION COVER SHEET

(Attach to 5 copies of summary)

Paper Title:

Technical Areas:

Author to Contact: (Please select one Author to be notified about paper status)

First (Personal) name: _____

Last (Family) name: _____

Address:

Telephone: _____ Fax: _____

Email: _____

Here is the 2nd CFP for the the object representation for CV workshop

>From: dyer@cs.wisc.edu (Charles Dyer)
>Subject: Second Call for Papers for Workshop on Object Representation

Announcement and Second Call for Papers:
INTERNATIONAL WORKSHOP ON OBJECT REPRESENTATION FOR COMPUTER VISION

April 13-14 1996 - University of Cambridge, England
(Preceeding ECCV'96)

Co-Chairs and Organizers:

Jean Ponce Martial Hebert Andrew Zisserman
University of Illinois Carnegie-Mellon University University of Oxford
(ponce@cs.uiuc.edu) (Martial.Hebert@cs.cmu.edu) (az@robots.ox.ac.uk)

Program Committee:

Brady, M., Oxford University, UK
Cipolla, R., University of Cambridge, UK
Forsyth, D., U.C. Berkeley, USA
Huttenlocher, D., Cornell University, USA
Ikeuchi, K., Carnegie Mellon, USA
Lowe, D.G., University of British Columbia, Canada
Mohr, R., LIFIA-INRIA, France
Mundy, J., General Electric, USA
Nayar, S., Columbia University, USA
Rothwell, C., INRIA, France
Shashua, A., Hebrew University of Jerusalem, Israel

Sugihara, K., Tokyo University, Japan
Taylor, C.J., University of Manchester, UK
Van Gool, L., Catholic University of Leuven, Belgium
Yuille, A., Harvard University, USA
Zerroug, M., Adept Technologies, USA

An international workshop on object representation for computer vision will be held at the University of Cambridge, England, on April 13-14, preceding ECCV'96 which begins on April 15.

Technical contributions are sought in all relevant areas of computer vision, including (but not restricted to) the following:

- o Shape models
- o Quasi invariants
- o Appearance models
- o Automatic model acquisition
- o Functional models
- o Indexing and recognition
- o Object-class models
- o Part decompositions
- o Representational issues in applications

BACKGROUND:

In December of 1994, a workshop co-sponsored by NSF and ARPA was held in New York City. Its goal was to evaluate current approaches to object representation and to identify important issues and promising research directions.

The 1996 Cambridge workshop is a follow-up to the 1994 New York workshop. Its goals are:

- o to present a state of the art of the research on object representation for object recognition;
- o to assess the progress achieved in key areas identified during the first workshop, e.g., part decomposition and quasi invariants; and,
- o to explore the representational issues involved in applications that go beyond traditional object recognition, e.g., image databases, manufacturing, medical imaging, or virtual reality.

FORMAT:

The workshop will consist of three half-day sessions, each of them including an invited lecture, presentations of accepted papers, and a panel. The invited speakers are:

- o Takeo Kanade, Carnegie-Mellon University
- o Jan Koenderink, Utrecht University
- o Ram Nevatia, University of Southern California

To facilitate discussions, the attendance to the workshop will be limited to a hundred participants. Submitted papers will be reviewed by the program committee.

The proceedings (including the contributed papers and a summary of the panel discussions) will be published after the workshop by Springer-Verlag in the Lecture Notes in Computer Science series.

The workshop will be held just prior to ECCV'96 at the University of Cambridge, and accommodation will be at Robinson College.

INSTRUCTIONS TO AUTHORS:

Four copies of each submitted paper (no more than 30 pages) should be received no later than December 1, 1995 by

Andrew Zisserman (for European submissions)
Department of Engineering Science
University of Oxford
Parks Road
Oxford OX1 3PJ
UK

Martial Hebert (for US and other submissions)
The Robotics Institute
Carnegie-Mellon University
5000 Forbes Avenue
Pittsburgh, PA 15213
USA

Authors will be notified of acceptance by February 12, 1996.

Another conference on vision, which may be of interest to some of you:

>From: Yung Kong <ykong@turing.cs.qc.edu>
>Subject: Vision Geometry V conference

CALL FOR PAPERS AND ANNOUNCEMENT

VISION GEOMETRY V

Denver Marriott City Center and Colorado Convention Complex
Denver, Colorado, USA

Part of SPIE's International Symposium on
Optical Science, Engineering, and Instrumentation
4-9 August 1996

Conference Chairs: Robert A. Melter, Long Island Univ.; Angela Y.
Wu, American Univ.; Longin Latecki, Univ. of Hamburg (FRG)

Program Committee: Ari D. Gross, CUNY/Queens College and Columbia
Univ.; T. Y. Kong, CUNY/Queens College; Jack Koplowitz, Clarkson
Univ.; David M. Mount, Univ. of Maryland/College Park; Frank
Rhodes, Univ. of Southampton (UK); Ivan Stojmenovic, Univ. of
Ottawa (Canada)

This conference is designed to bring together workers who use
geometric theory and techniques to solve problems related to
computer vision. Specific solutions as well as overviews of more
general topics are welcome.

Abstracts are solicited on the following topics:

- digital geometry and topology
- morphology related to vision
- computational geometry related to vision
- convexity problems in vision.

This conference is just one of more than 77 conferences to be
held at SPIE's Optical Science, Engineering, and Instrumentation
symposium:

Denver96, 4-9 August 1996
Denver Marriott City Center and Colorado Convention Complex
Denver, Colorado, USA

TO OBTAIN ALL CALLS FOR PAPERS ELECTRONICALLY

SPIE plans to make the calls for papers for all conferences
in the Denver96 symposium available
on SPIE Web
(http://www.spie.org/web/meetings/denver_home.html),
by anonymous FTP
(ftp://spie.org/meetings/calls/colo96_readme.txt),
and by e-mail file retrieval
(send a message to info-spie-request@spie.org with the following
in the message body: send [meetings.calls]colo96_readme.txt)

Conferences will be grouped according to program track. The
colo96_readme.txt file will contain the filenames and contents of
each program track.

For a printed call for papers or other information:
E-mail: colo96@spie.org (if no special meeting address, use
spie@spie.org)
Fax: (360) 647-1445 (*)
Phone: (360) 676-3290 (*)

IMPORTANT DEADLINES

Paper Abstracts Due from Authors: 8 January 1996
Manuscripts Due from Authors: 8 July 1996

GUIDELINES FOR SUBMITTING AN ABSTRACT

Send a 250 word abstract of your paper, by 8 January 1996,
in ONE of the following ways:

>>mail (please mail 4 hard copies typed on white paper) to:
DENVER96
SPIE, P.O. Box 10, Bellingham, WA 98227-0010
Shipping Address: 1000 20th Street, Bellingham, WA 98225
Telephone: (360) 676-3290 (*)
>>electronic mail in ASCII format to abstracts@spie.org
Please submit one abstract per email message and place the
word DENVER96 on the subject line.
>>fax to SPIE at (360) 647-1445 (*)
Please submit one abstract per fax.

Be sure each abstract includes the following:

1. CONFERENCE CHAIR and CONFERENCE TITLE (submit to ONLY ONE conference)
to which the abstract is submitted
2. AUTHOR LISTING (list principal author first)
for each author: full name and affiliation, mailing address,
phone/fax numbers, email
3. ABSTRACT/PAPER TITLE

4. ABSTRACT TEXT: 250 words
5. KEYWORDS: maximum of 5 keywords
6. BRIEF BIOGRAPHY of the principal author: 50-100 words

For further information, contact:

Robert A. Melter
Long Island University
Southampton, NY 11968

Tel. (516) 287-8402 (direct dial)
or (516) 283-4000
e-mail: rmelter@sunburn.liu.net

or contact SPIE.

(*) Please note:

SPIE's area code changed from 206 to 360 in February 1995. If you experience any difficulty using the 360 area code, please use 206 and notify SPIE, your local phone company, and the people in charge of the phone system from where you placed your call. You may also call 1-800-441-5516 to report the difficulty. Thank you for your patience while US West and other regional phone companies fix this problem.

This may be a little bit far from our usual interests, but who knows?

>From rich@spie.org (Rich Donnelly)
>Subject: CFP: SPIE annual mtg--Optical Sci, Eng Instrumentation - news.announce.conferences #6764

This announcement is also available through the Conference Announcement Archive on the WorldWideWeb, providing indexes and search functions by subject, keywords, or date. You may also submit announcements through on-line forms. The Conference Announcement Archive is located at <URL:<http://www.iao.fhg.de/Library/conferences/>>.

Announcement and Call for Papers

SPIE's International Symposium on
Optical Science, Engineering, and Instrumentation

SPIE's Annual Meeting
4-9 August 1996
Denver Convention Center
Denver, Colorado, USA

Technical Exhibition 6-8 August 1996
Educational Short Courses

1996 Symposium Chair: James B. Breckinridge, Jet Propulsion Laboratory

Sponsored by
SPIE--The International Society for Optical Engineering

SPIE's Annual Meeting brings together researchers, developers, and engineers who are working on the leading edge of optical instrumentation technology. The combined technical conference and product exhibition are designed to place you at the leading edge of technology.

More than 60 conferences are planned in the following subject areas:

REMOTE SENSING

Conferences on:
Planetary Sensing
Terrestrial Remote Sensing
Atmospheric Remote Sensing
Imaging Through the Atmosphere
Infrared Instrumentation

MILLIMETER AND MICROWAVE ENGINEERING

Conference on:
Submillimeter to Microwave Engineering

SIGNAL AND IMAGE PROCESSING

Conferences on:
Organic Materials for Photonics
Signal and Image Processing
Mathematical Imaging

IN-SITU OPTICAL SENSORS

Conferences on:
Fiber Optic Sensor Systems
Pollution Monitors

OPTICS

Conferences on:
Optical Design and Materials
Precision Structures
Advanced Manufacturing and Metrology
X-Ray Optics

Full texts of the individual calls for papers are available on SPIE Web, at http://www.spie.org/web/meetings/denver_home.html

By FTP:
ftp://spie.org/meetings/calls/colo96_readme.txt

By e-mail, send a message to info-spie-request@spie.org with the following in the body of the message:
send [meetings.calls]colo96_readme.txt

*** Abstract submission due date: 8 January 1996 ***

Contact SPIE to receive an Announcement and Call for Papers (please specify topical area of interest). Or send a message to colo96@spie.org to be placed on our mailing list to receive an Advance Technical Program when they are available in April 1996.

Contact SPIE by phone 360/676-3290; fax 360/647-1445; e-mail colo96@spie.org to receive additional information.

SPIE also has info-colo96, an e-mail list for this symposium. Subscribers to this list will receive occasional updates as the meeting approaches. To subscribe, send an e-mail message to info-spie-request@spie.org with the following in the body of the message:

subscribe info-colo96

Here is the program of a conference which also involves getting info from maps.

>From: fusion@augusta.cma.fr (Utilisateur Colloque fusion)
>Subject: CONFERENCE PROGRAMME: Fusion of Earth Data

INTERNATIONAL CONFERENCE ON

FUSION OF EARTH DATA

Merging point measurements, raster maps and remotely sensed images

Cannes, Cote d'Azur, France, 6-8 February 1996

GENERAL INFORMATION

INVITATION

You are cordially invited to attend the International Conference on "Fusion of Earth Data: merging points measurements, raster maps and remotely sensed images" to be held in Cannes from February 6 to February 8, 1996.

LOCATION

The Conference will be held in Hotel Sofitel, on the Westernmost point of the bay of Cannes, bordered by beaches of fine Mediterranean sand, overlooking the yacht harbour of "Le Suquet", and close to the "Croisette" and the Film Festival Hall.

REGISTRATION DESK

The Conference registration desk is located at the ground floor of Hotel Sofitel. It will be open from Tuesday, February 6, from 9:30 a.m. to Thursday, February 8, 4:00 p.m.

LANGUAGE

The Conference language is English

MEALS/BREAKS

Morning and afternoon breaks at the Conference will include coffee and tea. Within the Hotel Sofitel a restaurant will offer lunch at normal prices. Several restaurants are located within a short walking distance in front of the Mediterranean sea or in the center of Cannes.

ACCOMMODATION

The Hotel Sofitel is offering special prices for the Conference participants. The Conference secretary has negotiated special prices with other hotels. Please, contact the Conference secretary for information and booking.

Christiane HOREL - Societe HOREL phone (33) 93 95 79 34 - fax (33) 93 65 31 96

TRAVEL

* Plane : a 30-40 % discount may be obtained from AIR INTER for a round trip ticket within France. It is recommended to book your travel ticket as soon as possible. Reduced rate vouchers from AIR INTER will be sent to participants requesting them on the registration form.

* Visa : participants are reminded that an entry visa is required for certain countries (please apply to the local French Consulate two months ahead of the date of the Conference)

* Transport from Nice Airport to Cannes : you can take a Taxi (350 Ffr - 400 Ffr) or a Bus "R CA" (70 Ffr) from 9:00 a.m. to 8:00 p.m.

WEATHER

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.

PRELIMINARY PROGRAMME

Tuesday, February 6

9:30 - 10:30. Registration
10:30 - 11:00. Opening Session
11:00 - 12:30. Session
12:30 - 14:00. Lunch Time
14:00 - 15:30. Session
15:30 - 16:00. Coffee Break
16:00 - 17:30. Session

18:00. Ice Breaker

Wednesday, February 7

9:00 - 10:30. Session
10:30 - 11:00. Coffee Break
11:00 - 12:30. Session
12:30 - 14:00. Lunch Time
14:00 - 15:30. Session
15:30 - 16:00. Coffee Break
16:00 - 17:30. Session

20:00. Conference Dinner

Thursday, February 8

9:00 - 10:30. Session
10:30 - 11:00. Coffee Break
11:00 - 12:30. Session
12:30 - 14:00. Lunch Time
14:00 - 15:30. Session

15:30. Closing Session

DETAILED PROGRAMME

Tuesday, February 6

9:30 - 10:30. Registration

10:30 - 11:00. Opening Session

* Marc Manivet, Societe des Electriciens et Electroniciens (SEE)

* Lucien Wald, Conference Chairman, Ecole des Mines de Paris (EMP)

* Manfred Buchroitner, European Association of Remote Sensing Laboratories (EARSel)

11:00 - 12:30. Session. Chairman: Prof. Dr. John Van Genderen

Potentialities and limitations of multisensor data fusion
L. Polidori, P. Perez, M. Mangolini

Standardized knowledge representation for sensor and data fusion
(provisional title)
L. F. Pau

Data fusion on space and military needs: where, what for and which

researches
C. Rouchouze

12:30 - 14:00. Lunch Time

14:00 - 15:30. Session. Chairman: Dr. Thierry Rousselin

Remote sensing image fusion for topographic map updating
C. Pohl, J. L. van Genderen

Geological mapping and exploration of Bathurst Island (Canada) using
integration of remotely sensed data sets
M. A. D'Iorio, G. F. Bonham-Carter, P. Budkewitsch, B. Eddy

Fusion d'informations 3D ERS-1
I. Tannous, F. Le Goff, C. Penicand

15:30 - 16:00. Coffee Break

16:00 - 17:30. Session. Chairman: Dr. Giancarlo Pittella

The ARSIS method: a general solution for improving spatial resolution
of images by the means of sensor fusion
T. Ranchin, L. Wald, M. Mangolini

Comparison of merging processes for the improvement of spatial
resolution of multispectral SPOT XS images
T. Ranchin, L. Wald, M. Mangolini, C. Penicand

Using iterated rational filter banks within the method ARSIS for
producing 10 m Landsat multispectral images
P. Blanc, T. Ranchin, T. Blu, L. Wald, R. Aloisi

18:00. Ice Breaker. Cocktail at Hotel Sofitel

Wednesday, February 7

9:00 - 10:30. Session. Chairman: Dr. Marie-Jos?Lefevre

Sensor fusion for improving the mapping of the air quality in urban
areas
L. Wald, J.M. Baleynaud, L. Lavrilleux

Multisensor geometric fusion for earth observation
B. Pikeroen, A. Champenois, T. Lauren?t, H. Le Men

SAR shape correlation for region-based matching of SAR/optical
imagery
M. Dutkiewicz

10:30 - 11:00. Coffee Break

11:00 - 12:30. Session. Chairman: Dr. Jean-Marc Nasr

Improvement of agriculture monitoring by use of ERS / SAR and Landsat
/ TM multitemporal data
M. Mangolini, O. Arino

Merging ground-based measurements and satellite-derived data for the
construction of global radiation maps
H. G. Beyer, L. Wald

Monitoring temporal changes in the Prince Gustav Ice Shelf
N.E. Pomfret, R.A. Vaughan

12:30 - 14:00. Lunch Time

14:00 - 15:30. Session. Chairman: Dr. Louis-Francois Pau.

Segmentation and matching multi-source images using Vorono?polygons:
application to heat detection
P. Leclere, A. Ploix, V. Chen

Contribution of sensor fusion to urban mapping: application to
simulated SPOT 5 - 6 data
T. Ranchin, L. Wald

Conjunctive and adaptative information-fusion for satellite images
classification
L. Roux, J. Desachy

15:30 - 16:00. Coffee Break

16:00 - 17:30. Session. Chairman: Dr. Thierry Ranchin

Uncertain information fusion using belief measure
J.-J. Chao, K.-C. Shao

Multisource image data classification by combining statistical and
band-ratio measures using the Dempster-Shafer approach
H. Bracker, M.-C. Mouchot, A. Hillion

D?orr?ation et transformation de couleur I.H.S. appliqu?s aux

images satellitaires multispectrales
Y. Smara, A. Belhadj-Aissa, B. Sansal

20:00. Conference Dinner

Thursday, February 8

9:00 - 10:30. Session. Chairman: Dr. Lucien Wald

Improved detection of cloud shadow and aerial extent of snow cover in
remotely sensed images
J. J. Simpson, J. R. Stitt, M. Sienko

Snow cover distribution analysis in the Swiss Alps
E. Cornel

Validating predictions of snow depth in the U. K. with a mixture of
point snow depth data and DEM
P. M. Atkinson, R. E. J. Kelly

10:30 - 11:00. Coffee Break

11:00 - 12:30. Session. Chairman: Prof. Dr. Manfred Buchroitner

owards spatially and temporally continuous estimates of forest data
for management decisions
S. Holm, H. Olsson, T. Thuresson

Forestry - classification algorithms for multi-sensor image fusion
T. Gartner

The fusion of multisensoral and multitemporal remote sensing data for
Macrophytobenthos in the Greifswalder Bodden
K. Christke

12:30 - 14:00. Lunch Time

14:00 - 15:30. Session. Chairman: Dr. Robin Vaughan

Empirical orthogonal functions applied to the fusion of altimetry,
atmospheric pressure and sea surface temperature measurements from
the North Atlantic and adjacent seas
T. Knudsen

Remote sensing and in situ data contribution to the study of coastal
zones in the Baltic Sea
I. Bychkova

Integration of remote sensing, contact observations and ecodynamics
simulation in the coastal ecosystem studies
S. V. Semovski, M. D. Dowell

15:30. Closing Session

REGISTRATION FORM TO BE RETURNED TO :

Societe HOREL - 500 route des Lucioles - 06560 Sophia Antipolis (France)
Christiane Horel - phone (33) 93 95 79 34 - fax (33) 93 65 31 96

REGISTRATION

Name _____ First Name _____

Company _____

Address _____

Zip Code/City _____ Country _____

Phone : (___) _____ Fax (___) _____

REGISTRATION FEES (Ffr)

Bef. Dec. 15, 1995|After Dec. 15, 1995

SEE/EARSeL/EMP members Ffr. 1100| Ffr. 1300

Non-members Ffr. 1300| Ffr. 1500

Students * Ffr. 700| Ffr. 800

Proceedings only Ffr. 500| Ffr. 500

Conference Dinner Ffr. 250| Ffr. 250

*Students should enclose a photocopy of the 1995-1996 student card.

SETTLEMENT

* Cheque should be made payable to the SEE

* Bank transfert :Banque WORMS de Nice Compte n. 0940020737N
(Code banque n.30998 - Code guichet n. 00009 - Cle RIB 97 - Domiciliation BW
Nice)

Registration forms without payment or order form enclosed will not be
considered.

CANCELLATION

Fees will be returned in full for any written cancellation received before
(Jan. 15, 1996).

No refund will be made in respect of cancellation after this date.

? IMPORTANT ADDRESSES

Registration desk and accommodation informations:

Societe Horel
500 route des Lucioles
06560 Sophia Antipolis cedex
France
Phone: +33 93-95-79-34
Fax: +33 93-65-31-96

Conference Scientific Information

E-mail: fusion@augusta.cma.fr
WWW server: <http://www-cenerg.cma.fr/tele/fusion/>

SEE: Groupe Cote d'Azur GReCA

SEE/URISCA
32 avenue Malaussena
06000 Nice
Fax: +33 93-92-27-41

EARSeL Secretariat

EARSeL Secretariat
M. Godefroy
2, avenue Rapp
Bureau 418
75340 Paris cedex 07
France
Phone +33-1 45-56-73-60
Fax: +33-1 45-56-73-61

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Fusion Conference Office
Remote Sensing Group, Ecole des Mines de Paris
BP 207, 06904 Sophia Antipolis cedex, France
Fax: (33) 93 95 75 35 e-mail:fusion@augusta.cma.fr

I have also received the final program of ICSC'95. Here are excerpts
(full program on the web):

>From: tlee@ee.cuhk.hk (Lee_Tong)
>Subject: ICSC'95 Conference Program

ICSC'95 CONFERENCE PROGRAMME

ICSC '95 - Third International Computer Science Conference:
Image Analysis Applications and Computer Graphics
Nikko Hotel, HONG KONG, 11-13 December 1995

Organised and Sponsored by the IEEE Hong Kong Section, Computer Chapter.

In cooperation with
IEEE Computer Society,
International Association for Pattern Recognition (IAPR),
ACM (HK).

MESSAGE FROM THE GENERAL CHAIRMAN

With the advance of imaging and image synthesis technologies, traditional

text-based computing is giving way to computational modalities which manipulates, synthesise, and analyse visual data. We have only just begun to see the benefits of such computation modules in the forms of multimedia information kiosks, analysis and inspection systems for medical and industrial images, and realistically rendered imageries in TV commercials and motion pictures.

The ability to receive, process and deliver data in visual form is paramount to the efficient perception and understanding of complex information. This cannot be more clearly demonstrated in the areas of medical diagnosis, engineering design, and system monitoring. The needs to improve the performance and cost-efficiency in these areas have led directly to the recent developments in data visualisation, medical imaging, industrial inspection systems, Computer-aided design and manufacturing (CAD/CAM) systems, Geographic Information Systems (GIS), and Automated Mapping and Facility Management (AM/FM) systems.

In ICSC'95, the Third International Conference on Computer Science to be held in Hong Kong by the IEEE (HK) Section Computer Chapter, we will present the latest developments of the associate enabling technologies that make such systems possible. Particularly, the programme of image analysis applications and computer graphics aim to highlight synergies in the two areas. The convergence of computer graphics and image analysis techniques cannot be better illustrated in one of our plenary sessions focussing on Model-based Video Coding by Prof. T. Huang. The impact on the movie industry due to the latest developments in computer graphics and animation is clearly demonstrated in our other plenary session by Mr. J. Lasseter from Pixar. Prof. Ahuja's invited talk on a novel approach to visual imaging shows us the latest breakthrough in imaging technology while Prof. Kasturi's tutorial gives us a comprehensive review of the state-of-the-art and current limitations in document image analysis.

I hope you will find ICSC'95 an occasion to meet friends and colleagues who have helped shaping the technical developments in the fields of image analysis and computer graphics and, at the same time, find time to explore and to enjoy the dynamic environment that makes Hong Kong unique among the major financial cities of the World.

Horace H S Ip
Conference Chairman, ICSC'95

INVITED TALKS

DAY 1, Monday, 11 December 1995:
Prof. Thomas. S. Huang
Beckman Institute for Advance Science and Technology
University of Illinois at Urbana-Champaign
U.S.A.

Title: 3D MODEL-BASED VIDEO CODING: Computer Vision Meets Computer Graphics

DAY 2, Tuesday, 12 December 1995:
John Lasseter
Director & Animator
Vice President, Creative Development, Pixar, U.S.A.

Title: CREATING MEMORABLE CHARACTERS WITH COMPUTERS

DAY 3, Wednesday, 13 December 1995:
Prof. Narendra Ahuja
Beckman Institute, Coordinated Science Laboratory, and
Department of Electrical and Computer Engineering
University of Illinois at Urbana-Champaign

TITLE: A NONFRONTAL IMAGING CAMERA

TUTORIAL

Title: Document Image Analysis Techniques: An Overview

Prof. Rangachar Kasturi, Professor of computer science and engineering,
Pennsylvania State University, U.S.A.

Objectives: This course will enable the participant to:

1. learn the basic principles of document image analysis methods for optical character and graphics recognition

2. become familiar with the capabilities and limitations of automatic document image processing techniques
3. understand the relationships among various system components to facilitate systematic evaluation of document image analysis systems
4. know the state-of-the-art in vectorizers for converting engineering drawings and maps.

Contents: Document image analysis systems automatically extract formation from scanned images of paper-based documents. Such systems recognize characters, symbols, and lines, establish spatial and semantic relationships, and determine the overall structure. Their output facilitates efficient storage, retrieval, and editing of the documents' contents. The general procedure and sequence of methods used in document image analysis are: data captured preprocessing, segmentation and layout analysis, feature extraction and matching, text and graphics recognition and interpretation. An overview of each of these topics will be presented in this course. Applications of the techniques discussed include automatic processing of business letters and forms, conversion of engineering drawings and maps, input technical of mail pieces, and recognition of musical notes, shorthand scripts, etc. However, specific commercial systems will not be discussed.

CONFERENCE PROGRAMME

Day 1

8:45- 9:00 Opening Remarks

9:00-10:00 Invited Talk: T.S. Huang

10:00-10:20 Break

10:20-12:00 IA1a: Robot Navigation & Tracking
CG1a: Scientific Visualization

12:00- 1:30 Lunch

1:30- 3:10 IA1b: Feature Matching & Detection
CG1b: Geometric Modeling

3:10- 3:30 Break
CG1c: Rendering

5:30 - 7:30 Cocktail Reception

Day 2

9:00-10:40 IA2a: 3-D Image Analysis
CG2a: Image Synthesis

10:40-11:00 Break

11:00-12:00 Invited Talk: John Lasseter

12:00- 1:30 Lunch

1:30- 3:10 IA2b: Biomedical Imaging
CG2b: Simulation & Animation

3:10- 3:30 Break

3:30- 5:15 IA Poster Session

6:30 - 10:00 Conference Banquet

Day 3

9:00-10:00 Invited talk: N. Ahuja
CG3a: Curves & Surfaces

10:00-10:20 Break

10:20-12:00 IA3b: Application Systems
CG3b: Human Models

12:00- 1:30 Lunch

1:30- 5:00 Tutorial

HONG KONG

Hong Kong, widely known as the Pearl of the Orient, is one of the major commercial and financial centers in the world. It also houses a harbor that is the world's busiest container terminal. There are over 6 million residents in the city; the excitement within such a large

community is just as much a visitor attraction as the tens of thousands of shops selling the world's luxuries duty-free.

Contrary to what many people think, Hong Kong is not just skyscraper buildings. There are a large portion of nice scenery and a number of assorted islands where one can still smell the rural life. Its proximity to China is also a major attraction; one can get to Shenzhen, a booming border city of China, within an hour by train from Hong Kong.

Most countries' citizens have visa-free access to Hong Kong, and its airport has direct flights to most major cities around the world.

INQUIRIES

Please send all inquiries about ICSC'95 to

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Well, I think that's it for this time.

Your TC10 chairman,

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