

Newsletter 36, February 1996

Contents:

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- Some news from the TC10 chairman
- Announcement: International Journal of Imaging Systems and Technology
- CFP: Workshop on Image DB and Multi Media Search
- CFP: EP96
- CFP: ECAI workshop
- Call for Posters: Data Analysis in Astronomy
- CFP: IEEE Digital Signal Processing Workshop
- Conference information: SDAIR'96
- Conference information: Colour Perception

Dear TC10 members.

Time for a new TC10 mailing... First of all, let me give you some news about the post-workshop book following the graphics recognition workshop last Summer. After a strict reviewing process and extensive corrections made by the authors of the selected papers, prof. Kasturi and I met a couple of weeks ago to finalize the content of the book. Some last changes were requested from some authors, and now we have all the material for the book more or less ready. All this will be sent in the coming days to Springer Verlag, so in some weeks we should have available a book entitled "Graphics Recognition -- Methods and applications", in the "Lecture Notes in Computer Science" series. It was a pleasant experience to see how the different contributing authors were willing to make the (sometimes extensive) requested changes and to do their best to come up with a nice final result.

Those of you who know the French academic system may also be interested in knowing that I will defend tomorrow my "Habilitation a diriger des recherches", a post-PhD degree, at "Universite Henri Poincare Nancy 1". My document is entitled "Quelques contributions a l'interpretation de documents techniques", for those who care...

As usual, we have several CFP and conference announcements. Some of these are reproduced in extenso, but others are only presented in a shortened version. I remind you that you can find complete archives of these announcements (and others) at the WWW addresses <http://www.loria.fr/~tombre/CFP/maillist.html> for the CFPs <http://www.loria.fr/~tombre/Programs/maillist.html> for the programs

First, here is the announcement for an imaging journal:

>From: veklerov@cse.lbl.gov (Eugene Veklerov)
>Subject: Journal Announcement

Announcement

The International Journal of Imaging Systems and Technology

This journal has been published by John Wiley & Sons, Inc. since 1989. The new editors are Z. H. Cho (University of California, Irvine) and L. A. Shepp (Bell Laboratories).

This interdisciplinary quarterly journal offers comprehensive coverage of imaging science and technology. Papers are drawn from a range of areas, such as physics, chemistry, biomedical sciences and engineering, radiology, geoscience, astronomy, computer science, mathematics, material science, oceanography, etc. Articles stress research and techniques that are common to the imaging science in these fields. The journal therefore provides a single source for current information pertinent to scientists, engineers and specialists working in the area of imaging science and technology, as well as a forum for the development of new technology.

All submitted papers should be sent to:

Professor Z. H. Cho
Department of Radiology
University of California
Irvine, CA 92717

For subscription information, write to:

John Wiley & Sons, Inc.
Subscription Department
605 Third Avenue
New York, NY 10158

Telephone: 212-850-6645
FAX: 212-850-6088, Attn: Journal Subscription Dept.

Our colleagues from IAPR TC12 are organizing a workshop this Summer. The topics can be of interest for many of us:

>Subject: Workshop on Image DB and Multi Media Search

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* CALL FOR PAPERS *
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* International Association of Pattern Recognition IAPR *
* Technical Committee 12 - Multi Media and Image Communications *
* *
* invites to a *
* *
* First International Workshop on Image Databases and Multi Media Search *
* *
* 22-23 August 1996, Amsterdam, THE NETHERLANDS *
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* *
* *

There is more information available via the Internet:

<http://www.fwi.uva.nl/research/idb-mms/>

Aims and Scope:

Over the past few years, a substantial development is going on in the field of managing large amounts of electronically stored image data mainly due to the interest of building multimedia information systems (database community) and image database systems (computer vision community). Flexible visual information management is needed to efficiently store, retrieve and process of visual content. The objective of the workshop is to bring together researches as well as practitioners in the field of image database and multi media research to improve the construction of future visual information systems for commercial and scientific applications.

The initiative for the workshop comes from the IAPR technical committee 12 on multimedia and image communication and it is set to precede the International Conference on Pattern Recognition ICPR, to be held in Vienna, Austria, August 25 - 30, 1996.

The workshop committee invites papers on the following themes:

- * Image stills and video databases
- * Indexing by content
- * Video segmentation
- * Pictorial query and retrieval definition
- * Efficient data structures for image retrieval
- * Interactive video search
- * Video on demand
- * Hyper-links in multi media document
- * Continuous media synchronization
- * Search strategies for multi-media browsing
- * Compression and video browsing

The workshop will be held at the Faculty of WINS,
Department of Computer Science and Logic,
University of Amsterdam in the Netherlands.

The working language of the conference is English.

Workshop Chairs:

Organizing Chair

Arnold W. M. Smeulders
University of Amsterdam
The Netherlands
E-mail: smeulders@fwi.uva.nl.
Horace Ip
City University
Hong Kong
E-mail: CSHIP@cityu.edu.hk.

Program Chair

Ramesh Jain (University of California at San Diego, USA)

Program Committee Members:

Shi-Kuo Chang (University of Pittsburg., USA)
Thijs Chanowski (BSO-Media lab, the Netherlands)
Alberto Delbimbo (Universita' di Firenze, Italy)
William I Grosky (Wayne State University, USA)
Arding Hsu (Siemens Corporate Research, USA)
Wu Jian Kang (NUS, Singapore)
Toshikazu Kato (ETL, Tsukuba, Japan)
Kangachar Kasturi (Penn State, USA)
Martin Kersten (CWI, the Netherlands)
Clement Leung (Victoria Univ. of Techn., AUS)

Rosalind Pickard (MIT, Cambridge, USA)
Dragutin Petkovic (IBM at Alamen)
Stephen W. Smoliar (FXPAL, USA)
Rohini Srihari (Cedar, USA)
Hemant Tagare (Yale, New Haven, USA)

Call for Papers:

Authors wishing to contribute to the workshop should send 3 copies of an extended abstract (2-3 pages in length) before 1 April 1996. Please include the title, name(s) of the author(s), affiliation, address, telephone, fax, and E-mail. Abstracts will be refereed by a panel of assessors. We have made an arrangement with the editors of Pattern Recognition Letters to assemble a special issue on "computational aspects of multi media search" from a selection of the conference papers. The same arrangement will be considered for papers on "multi media systems" for the IEEE Multi Media.

Please submit written extended abstracts and completed manuscripts to:

Conference Secretary
Faculty of WINS, Department of Computer Science and Logic,
University of Amsterdam
Kruislaan 403, 1098 SJ Amsterdam
The Netherlands
Tel: +31 20 525 7490
Fax: +31 20 525 7463

or postscript file by email to:

idb-mms@fwi.uva.nl

All accepted papers will be distributed to all participants at the workshop. A contribution of \$200 will cover the conference fee (\$100) as well as the tickets for two lunches and the dinner (\$100). The contribution does not include accommodation charges.

Important Dates:

Submission of extended abstracts (three copies) 1 April 1996
Acceptance decision 1 June 1996
(max. 8 pages) completed paper submission (three copies) 1 July 1996
Workshop 22-23 August 1996

Further Information:

For requests and further information please contact the local committee:
Carel van den Berg, Theo Gevers and Marcel Worring email:idb-mms@fwi.uva.nl
or
Conference Secretary
Faculty of WINS, Department of Computer Science and Logic
University of Amsterdam
Kruislaan 403, 1098 SJ Amsterdam
The Netherlands

The conference on electronic documents also comes in its 1996 edition. Here is the CFP:

>From: brueggem@informatik.tu-muenchen.de (Anne Brueggemann-Klein)
>Subject: EP96 REMINDER: Submission Deadline April 1

Archived at <URL:<http://www.iao.fhg.de/Library/conferences/>>.

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

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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 Bru"ggemann-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 Information Systems, Kawasaki, 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

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Addresses
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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?

This workshop may be of interest to some of you:

>Subject: CFP: Spatial Expressions
>From: PATRICK LUKE OLIVIER <plo@aber.ac.uk>

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2nd WORKSHOP ON THE REPRESENTATION AND PROCESSING OF SPATIAL EXPRESSIONS

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12th European Conference on Artificial Intelligence (ECAI-96)
Budapest, Hungary

<http://www.dcs.aber.ac.uk/~plo/ECAI-96/cfp.html>

Following the success of the first workshop held at IJCAI-95 in Montreal, the 2nd Workshop on the Representation and Processing of Spatial Expressions is to be held at ECAI-96 in Budapest, Hungary, on either the 12th or 13th August 1996.

Workshop Background

The size, shape, orientation and position of objects can be conveyed using a wide range of spatial expressions. The semantic treatment of such expressions presents particular challenges for natural language processing. The meaning representation used must be capable of distinguishing between fine-grained sense differences and ambiguities grounded in our experiential and perceptual structure.

On-going research projects that in part address the problem of representing and processing spatial expressions include:

- o Spatial language for the instruction of semi- and autonomous agents.
- o Dialogue understanding using "mental images".
- o Interfaces to CAD and multi-media systems, eg. natural language querying of photographic databases and speech-driven design and assembly.
- o Machine translation systems, finding a systematic approach for translating spatial expressions correctly is notoriously difficult.
- o Spatial queries for Geographic Information Systems (GIS).
- o Generation of spatial descriptions on the basis of maps, cognitive maps or other spatial representations.

Workshop Issues

Though there have been many different approaches to the representation and processing of spatial expressions, most existing computational characterisations have so far been restricted to particularly narrow problem domains, usually specific spatial contexts determined by overall system goals.

To date, artificial intelligence research in this field has rarely taken advantage of studies of language and spatial cognition carried out by the cognitive science community. One of the intentions of this workshop is to bring together researchers from both disciplines in the belief that artificial intelligence has much to gain from an appreciation of cognitive theories.

In addition to presenting original research participants will be asked where possible to address the following questions:

- o How does your work draw upon, differ from, refine or extend existing linguistic, cognitive and artificial intelligence approaches? What are the limitations and assumptions of your approach?
- o How should knowledge about space be represented? What is your underlying knowledge representation and reasoning formalism and what issues have motivated your choice?
- o How important is the issue of cognitive plausibility?
- o How should the lexicon be organised with respect to spatial prepositions and spatially relevant words? How can multiple meanings for such words be accommodated?
- o The meaning of spatial expressions cannot be addressed in isolation. Indeed spatial expressions are used in many different physical contexts and environments. How should the meanings of individual spatially relevant words be composed during processing to obtain meanings of complex spatial expressions?
- o Object knowledge is generally thought to play an important role in the interpretation of spatial words especially spatial prepositions. How can this be realised and are there any other factors which affect the interpretation of spatially relevant words?
- o How language dependent is your approach?
- o What are the open questions?

Organizing Committee

Klaus-Peter Gapp (Saarbruecken, Germany)
Amitabha Mukerjee (IIT, Kanpur, India)
Patrick Olivier (University of Wales, Aberystwyth, UK)
Simone Pribbenow (University of Hamburg, Germany)
Joerg Schirra (University of Bremen, Germany)
Laure Vieu (IRIT, Toulouse, France)

Workshop Format and Attendance Requirements

It is specifically intended that this workshop will be highly interactive. In addition to conventional paper presentations, attendees may also be required to deliver commentaries on other papers, coordinate group discussion and contribute to key issue debates.

Between 30 and 40 people will attend the workshop. All workshop participants are expected to register for the main ECAI conference.

SUBMISSIONS GUIDELINES: FULL PAPERS AND STATEMENTS OF INTEREST

To facilitate the organisation of the workshop there will be two classes of submission: (1) a full paper or (2) a statement of interest.

Papers must be a maximum of 15 pages, each page having no more than 43 lines with 12 point type. Title, abstract, figures and references must be included within this limit.

Statements of interest must be at most 4 pages long.

Electronic submission is strongly encouraged (preferably postscript or self-contained LaTeX), submissions should be made to plo@aber.ac.uk. For hard copy submissions double sided printing is preferred and four copies should be mailed to the following address:

Patrick Olivier
Centre for Intelligent Systems
University of Wales
Aberystwyth
Dyfed, SY23 3DB, UK

E-mail: plo@aber.ac.uk
Tel: +44 1970622447
Fax: +44 1970622455

DEADLINES

Submission deadline: 11th March 1996
Notification of acceptance: 8th April 1996
Camera ready copy due: 29th April 1996

PUBLICATION

Accepted papers and statements of interest will be published in the workshop notes/preprints by ECAI. Revised versions of the Montreal workshop's papers are in the process of being published as a book by Laurence Erlbaum. If there is sufficient interest this year, we hope to do the same again.

Abstracts from the first workshop's papers can be found at:

http://www.dcs.aber.ac.uk/~plo/IJCAI_WS/abstracts.html

Here is a (shortened) call for posters in a topic which may be a little bit "off the main track" for most of you, but who knows?

>From: cettina@ifcai.pa.cnr.it (Cettina Maccarone)
>Subject: Call for Posters - "Data Analysis in Astronomy V" Int. Workshop
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5-th International Workshop on
" DATA ANALYSIS IN ASTRONOMY "

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

First Announcement
and
Call for Posters

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

<http://www.ifcai.pa.cnr.it/Erice96>
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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, scheduled for launch in April 1996.

The topics will be covered by invited and solicited lectures, and contributions in guided poster sessions.

Invited Lecturers

Advanced Methods: =====

P.A. DEVIJVER, ENST de Bretagne, Brest, France
A. HECK, Astronomy Obs., Strasbourg, France
A.K. JAIN, Michigan State University, MI, USA
T. TAXT, University of Bergen, Norway

Astronomical Data: =====

B. HANISCH, STScI, Baltimore, MA, USA
K. HURLEY, Univ. of California, Berkeley, CA, USA
L. PADRIELLI, IRA/CNR, Bologna, Italy
H.U. ZIMMERMANN, MPE Garching, Germany

Special Session on SAX: =====

L. SCARSI, Univ. Palermo and IFCAI/CNR, Palermo, Italy

Guided Poster Sessions

Contributions are expected to form poster sessions, distributed during the entire Workshop period. To emphasize the main relevant points, the authors of accepted posters will introduce them in a quick oral presentation (3 minutes) just before the related poster session. Poster contributions will be refereed by the Scientific Committee. Extended abstract must be received by the end of March 1996. The abstract must be sent together with the enclosed Registration Form (electronic submission is encouraged) to the Scientific Secretary of the Workshop. Notification of acceptance will be given no later than May 31, 1996, with detailed instructions.

Registration

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

Other Participants

Persons, outside lecturers and contributors, wishing to attend the Workshop should apply in writing to the Directors of the Workshop. They should specify:

- date and place of birth, and present nationality;
- degree and other academic qualifications;
- present position and place of work;
- complete address;
- list of publications.

Young persons with only little experience should include a letter of recommendation from the head of their research group or from a senior scientist active in the field.

The total fee, which includes full board, social events and lodging (arranged by the CCSEM Center) is \$700 USD. Thanks to the generosity of the sponsoring Institutions, partial support can be granted to some deserving students who need financial help. Requests to this effect must be specified and justified in the letter of application.

Closing date for application is August 30, 1996.

A letter will be sent to successful applicants no later than September 25, 1996. Admission to the Workshop will be decided by the Scientific Committee. It is regretted that it will not be possible to allow any person not selected by the Scientific Committee to attend the Workshop.

Importan Dates

- March 31, 1996 Deadline for poster extended abstract submission
- May 31, 1996 Posters acceptance notification
- 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>

Directors:

Prof. Livio Scarsi
DEAF - University of Palermo
and IFCAI/CNR
Via Mariano Stabile 172
90139 Palermo
Italy
scarsi@ifcai.pa.cnr.it
fax: +39 91 332889

Prof. Vito Di Gesu'
DMA - University of Palermo
Via Archirafi 34
90123 Palermo
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digesu@ipamat.math.unipa.it
fax: +39 91 6165425

Scientific Secretary:

Dr. M. Cettina Maccarone
IFCAI/CNR
Piazza Giuseppe Verdi 6
90138 Palermo
Italy
cettina@ifcai.pa.cnr.it
fax: +39 91 6055355

Local Secretary:

Dr. Mario Tripiciano
IFCAI/CNR
Piazza Giuseppe Verdi 6
90138 Palermo
Italy
tripiciano@ifcai.pa.cnr.it
fax: +39 91 6055355

=====
Registration Form for Poster Contributors

To be returned within March 31, 1996, to:

Dr. M.C. Maccarone Email: cettina@ifcai.pa.cnr.it
IFCAI/CNR Fax: +39 91 605 5355
Piazza Giuseppe Verdi 6
90138 Palermo
Italy

Name

Surname

Affiliation

.....

Address

.....

Country

phone

fax

e.mail
URL
Proposed poster (title).....
.....
.....

Extended abstract follows

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A last CFP, also a little bit "out of scope" for this mailing list,
but not that much...

>From: duhamel@ultimate.enst.fr (Pierre Duhamel)

***** 1996 IEEE DIGITAL SIGNAL PROCESSING WORKSHOP *****

September 1--4, 1996

Alexandra Hotel, Loen, NORWAY

*** CALL FOR PAPERS ***

The seventh IEEE Digital Signal Processing Workshop will be held at Alexandra Hotel in Loen, Norway, a beautiful fjord and mountain resort on the west coast of Norway. The event is sponsored by the IEEE Signal Processing Society and the Norwegian Signal Processing Society, NORSIG, and cosponsored by Nera Telecommunications. The latest workshop information and forms may be found on World Wide Web server URL <http://www.tele.unit.no/dspws96/> or by anonymous ftp to [ftp.tele.unit.no](ftp://tele.unit.no) (IP address 129.241.2.90) in /pub/dspws96. You may also request information by sending e-mail to dspws96@tele.unit.no.

Original papers are solicited for technical poster sessions on the following nonexclusive list of topics:

- * DSP techniques for Digital Communications
- * DSP techniques for Multimedia Applications
- * Adaptive Filtering and Beamforming
- * Statistical Signal Processing
- * Design and Applications of Multirate Transforms
- * Time-Frequency and Wavelet Representation
- * Coding and Quantization
- * Nonlinear Systems, Chaos, and Fractals
- * Signal Reconstruction and Estimation
- * DSP Algorithms and Architectures
- * Applications of DSP
- * DSP Education

In addition to contributed poster presentations, the workshop will include a number of invited plenary talks on topics of general interest and organized panel discussions.

Plenary talks :

- * Ezio Biglieri, Politecnico di Torino (Italy) "Recent results on the impact of space diversity combined with coded modulation on multi-user fading channels" (Work done with G. Caire, G. Taricco, and J. Ventura-Traveset)
- * Cliff Reader, chairman of MPEG 4 (USA) "DSP requirements for the MPEG4 algorithms"
- * Mark Smith, Georgia Tech (USA) "New Approaches to Data Compression and their Application to Telemedicine"

Special sessions (preliminary list):

- * "Signal Processing and Multimedia" organized by Ahmed Tewfik of Univ. of Minnesota (USA)
- * "Blind (multichannel) equalization" organized by Dirk Slock of Institut Eurecom (France)
- * "Impact of Communication techniques on DSP" organized by P. Duhamel of Telecom Paris (France)
- * "Subband and Wavelet Transforms in Communications" organized by Pankaj Das of Rensselaer Polytechnic Institute (RPI)

*** INSTRUCTIONS ***

Prospective authors are invited to send four (4) copies of three-page summaries including figures and references to:

Ali Akansu
ECE Dept., NJIT
University Heights
Newark, NJ 07102, USA
Tel: +1 201-596 5650
Fax: +1 201 596 5680
email: ali@hertz.njit.edu

The top of the first page of the summary should include a title, names, affiliations, addresses, phone and fax numbers, and email addresses of the authors. Authors of accepted papers will then submit camera-ready papers of maximum four pages, which will form the published workshop proceedings.

*** SCHEDULE ***

Submission of proposal: To be received by MARCH 1, 1996
Notification of acceptance: To be mailed out by APRIL 1, 1996
Submission of four-page paper: To be received by MAY 15, 1996

The SDAIR'96 symposium is coming soon; here is its advance program and registration information:

>From: Debra Wallace <wallace@mighty-joe.ISRI.UNLV.EDU>
>Subject: SDAIR'96 - Advance Program

Fifth Annual Symposium
on Document Analysis
and Information Retrieval

April 15 - 17, 1996

Alexis Park Resort
Las Vegas, Nevada

Sponsored by the

Information Science Research Institute
and
The Howard R. Hughes College of Engineering

University of Nevada, Las Vegas

Symposium Chair

Henry S. Baird, AT&T Bell Laboratories

Invited Speakers

Hans-Peter Frei, Union Bank of Switzerland
Michael Lesk, Bellcore
Juergen Schuermann, Daimler Benz Research Center

Debate Teams

Henry S. Baird, AT&T Bell Laboratories
Robert Haralick, University of Washington
Daniel Lopresti, Panasonic Technologies, Inc.
George Nagy, Rensselaer Polytechnic Institute

Symposium Manager

Debbie Wallace
University of Nevada, Las Vegas
Information Science Research Institute
4505 Maryland Parkway, Box 454021
Las Vegas, NV 89154-4021
(702)895-3338 fax:(702)895-1183
sdair@isri.unlv.edu

CONFERENCE SCHEDULE

Sunday, April 14, 1996

7:00pm - 10:00pm Alexis Park Resort
Reception and Registration

Monday, April 15, 1996

7:00am - 11:00am Alexis Park Resort
Registration

8:15am - 8:30am Alexis Park Resort
Welcome

Henry S. Baird, Symposium Chair
AT&T Bell Laboratories

William R. Wells, Dean
Howard R. Hughes College of Engineering
University of Nevada, Las Vegas

Kazem Taghva, Associate Director
Information Science Research Institute
University of Nevada, Las Vegas

8:30am - 9:15am Alexis Park Resort
Invited Speaker

Substituting Images for Books: Library Economics, Technology,
and Politics
Michael Lesk
Bellcore

9:15am - 10:15am Alexis Park Resort
Session 1

Maximum Spanning Trees for Text Segmentation
Antonio P. Dias; Harvard University

In-house Mail Distribution by Automatic Address and Content
Interpretation
Thomas Bruckner, Peter Suda, Hans Ulrich Block, Gerd
Maderlechner; Siemens AG, Corporate Research and Development

10:15am - 10:30am Alexis Park Resort
Refreshment Break

10:30am - 12:00pm Alexis Park Resort
Session 2

USeg: A Retargetable Word Segmentation Procedure for Information
Retrieval
Jay M. Ponte, W. Bruce Croft; University of Massachusetts

Text Categorization: A Symbolic Approach
Isabelle Moulinier, *Gailius Raskinis, Jean-Gabriel Ganascia;
University of Paris, *Vtautas Magnus University

Support Tools for Visual Information Management
Gokhan Kutlu, Bruce A. Draper, Eliot B. Moss, Edward M.
Riseman; University of Massachusetts

12:00pm - 1:15pm
Lunch Alexis Park Resort

1:15pm - 2:00pm Alexis Park Resort
Invited Speaker

Text Recognition - From Pixels to Meaning
Juergen Schuermann
Daimler Benz Research Center

2:00pm - 3:30pm Alexis Park Resort
Session 3

Edit Distance of Regular Languages
Horst Bunke; University of Bern

Language Identification: Examining the Issues
Penelope Sibun, *Jeffrey C. Reynar;
Northwestern University, *University of Pennsylvania

Fast Decision Tree Ensembles for Optical Character Recognition
Harris Drucker; AT&T Bell Laboratories

3:30pm - 3:45pm Alexis Park Resort
Refreshment Break

3:45pm - 5:15pm Alexis Park Resort
Session 4

Length Normalization in Degraded Text Collections
Amit Singhal, Gerard Salton, Chris Buckley; Cornell University

Extraction of Thematically Relevant Text from Images
Francine R. Chen, Dan S. Bloomberg;
Xerox Palo Alto Research Center

Measuring the Effects of Data Corruption on Information Retrieval
Elke Mittendorf, Peter Schauble;
Swiss Federal Institute of Technology (ETH)

6:00pm - 10:00pm
Happy Hour
Dinner

Boyd Dining Room, Frank and Estella Beam Hall,
William F. Harrah College of Hotel Administration, UNLV

Tuesday, April 16, 1996

7:30am - 11:00am Alexis Park Resort
Registration

8:00am - 8:45am Alexis Park Resort
Invited Speaker

Information Retrieval - From Academic Research to Practical
Applications
Hans-Peter Frei
Union Bank of Switzerland

8:45am - 10:15am Alexis Park Resort
Session 5

Keyword-Based Browsing and Analysis of Large Document Sets
Ido Dagan, Ronen Feldman, *Haym Hirsh;
Bar-Ilan University, *Rutgers University

Tailoring a Retrieval System for Naive Users
Adrienne J. Kleiboemer, Manette B. Lazear, *Jan O. Pedersen;
MITRE Corporation, *Xerox Palo Alto Research Center

Improving Full-Text Precision on Short Queries using Simple Constraints
Marti A. Hearst; Xerox Palo Alto Research Center

10:15am - 10:30am Alexis Park Resort
Refreshment Break

10:30am - 12:00pm Alexis Park Resort
Session 6

Degraded Character Image Restoration
John D. Hobby, Henry S. Baird; AT&T Bell Laboratories

Automatically-Generated High-Reliability Features for Dichotomies
of Printed Characters
George Nagy, Xiaoyin Wang; Rensselaer Polytechnic Institute

Retrieval Strategies for Noisy Text
Daniel Lopresti, Jiangying Zhou; Panasonic Technologies, Inc.

12:00pm - 1:15pm
Lunch Alexis Park Resort

1:15pm - 2:00pm Alexis Park Resort
Team Debate

"Defect Models are Important to Advance the State-of-the-Art
of Optical Character Recognition"

Affirmative Team:

Henry S. Baird
AT&T Bell Laboratories

Robert Haralick
University of Washington

Negative Team:

Daniel Lopresti
Panasonic Technologies, Inc.

George Nagy
Rensselaer Polytechnic Institute

Moderator:
Tom Nartker
Information Science Research Institute

2:00pm - 3:30pm Alexis Park Resort
Session 7

A General-Purpose Japanese Optical Character Recognition System
Sargur N. Srihari, Geetha Srikantan, Tao Hong, Brian Grom;
State University of New York at Buffalo, Center of Excellence
for Document Analysis and Recognition

OCR and Voting Shell Fulfilling Specific Text Analysis Requirements
Thorsten Jager;
German Research Center for Artificial Intelligence (DFKI)

Histograms to Evaluate OCR Accuracy and OCR Coupling
Philippe Lefevre; EDF-Direction des Etudes et Recherches

3:30pm - 3:45pm Alexis Park Resort
Refreshment Break

3:45pm - 5:15pm Alexis Park Resort
Session 8

Logotype Detection in Compressed Images using Alignment Signatures
A. Lawrence Spitz; Daimler Benz Research and Technology Center

Reliable Recognition of Handwritten Marks in Checkboxes
B. Latanzio, A. Garzotto;
Swiss Life Information Systems Research

Generalized Form Registration Using Structure-Based Techniques
Michael D. Garris, Patrick J. Grother;
National Institute of Standards and Technology

5:15pm Alexis Park Resort
Symposium Adjourn

Wednesday, April 17, 1996

8:20am - 8:30am Alexis Park Resort
ISRI Welcome

Thomas A. Nartker, Director
Information Science Research Institute
Howard R. Hughes College of Engineering
University of Nevada, Las Vegas

8:30am - 9:45am Alexis Park Resort
The Fifth Annual Test of OCR Accuracy
Steve Rice
Information Science Research Institute

9:45am - 10:00am Alexis Park Resort
Refreshment Break

10:00am - 12:00pm Alexis Park Resort
ISRI Research Reviews
ISRI Staff

Registration

Pre-Registration: before March 15, 1996

On-site Registration: Sunday, April 14, 7:00pm to 10:00pm
Monday, April 15, 7:00am to 11:00am
Tuesday, April 16, 7:30am to 11:00am

Location: Alexis Park Resort

Cost: \$425.00 before March 15, 1996
\$500.00 after March 15, 1996

Dinner Monday April 15, 1996

The College of Hotel Administration at the University of Nevada, Las Vegas is one of the finest programs of its type in the nation, and has an international reputation as well. We are delighted to have the students from the College's Food and Beverage Management Department prepare and serve an outstanding dinner for symposium guests on Monday evening from 6:00pm to 10:00pm. The dinner will be held in the Boyd Dining Room in Frank and Estella Beam Hall. The cost is \$20 per person. For reservations please fill out the section on the attached symposium registration form.

Hotel Accommodations

Alexis Park Resort, located near the center of the Las Vegas strip, is the host hotel for the 1996 Symposium. If you choose to stay at the Alexis Park Resort, please make hotel reservations no later than March 14 to ensure room availability. A reservation form is included in this advance program for your convenience.
Due to convention season in Las Vegas, ROOMS WILL FILL UP QUICKLY AT ALL HOTELS. Please make hotel reservations as soon as possible. Should you choose to stay at a hotel other than the host hotel, the Las Vegas Convention and Visitors Authority can give hotel information and make all hotel room reservations throughout the city of Las Vegas. For more information please call the Las Vegas Convention and Visitors Authority

1-800-332-5333.

Fifth Annual Symposium on
Document Analysis and Information Retrieval
INFORMATION SCIENCE RESEARCH INSTITUTE
University of Nevada, Las Vegas
April 15-17, 1996

Conference Registration Form

Name: _____

Title: _____

Company: _____

Address: _____

City: _____

State/Country: _____ Zip: _____

Telephone: _____ Fax: _____

E-mail Address: _____

Registration Fees Pre-Reg Regular Amount
before 3/15/96 after 3/15/96

Conference Registration \$425.00 \$500.00 \$ _____
(Includes lunch Monday, 4/15/96;
and lunch Tuesday, 4/16/96)

Monday Dinner (per person) \$ 20.00 \$ _____

Conference Proceedings (Extra Proceedings) \$ 50.00 \$ _____
(One Proceedings is included as part of the
registration fee)

1995 CD-ROM \$100.00 \$ _____
(1995 Conference Proceedings and Annual Report)

1992, 1993 and 1994 CD-ROM \$100.00 \$ _____
(1992, 1993 and 1994 Conference Proceedings
and 1993 and 1994 Annual Report)

TOTAL AMOUNT DUE: \$ _____

Enclosed is my payment payable by (check one):

Check/Money Order _____ Mastercard _____ VISA _____ Discover _____

Make checks/money orders payable to: UNLV Board of Regents.
All checks must be in U.S. Dollars and drawn on a U.S. Bank.

For payment by credit card please fill out the following information:

Credit Card Number: _____ Expiration Date: _____

Please Print Name (as it appears on card): _____

I authorize ISRI/UNLV to debit my account for the TOTAL AMOUNT DUE:

signature: _____

Mail completed conference registration form and payment to:

Symposium Manager
Information Science Research Institute Telephone (702)895-4571
University of Nevada, Las Vegas Fax (702)895-1183
4505 Maryland Parkway Email sdair@isri.unlv.edu
Box 454021
Las Vegas, NV 89154-4021

Alexis Park Resort
Hotel Registration Form
P.O. Box 95698
Las Vegas, NV 89193-5698

Rooms reserved under the name: SDAIR '96
Mail your reservation directly to Alexis Park Resort or call

Room Reservations: (800)582-2228
Fax: (702)796-4334

Reservations received after March 14, 1996 will be accepted on a space
available basis only.

Please reserve accommodations for:

Name: _____

Home Address: _____

City: _____ State/Country: _____ Zip: _____

Company Name: _____

Business Address: _____

City: _____ State/Country: _____ Zip: _____

Business Phone: _____

SINGLE OCCUPANCY - \$100.00 (+8% tax) TRIPLE OCCUPANCY - \$115.00 (+8% tax)
DOUBLE OCCUPANCY - \$100.00 (+8% tax) QUAD OCCUPANCY - \$130.00 (+8% tax)

Will Arrive: _____, 1996 Time: _____

Will Depart: _____, 1996 Time: _____

Enclosed is my deposit payable by (check one):

Check _____ Mastercard _____ JCB _____ Visa _____

American Express _____ Carte Blanche _____ Discover _____ Diners Club _____

Credit Card Number: _____

Expiration Date: _____

Print name as it appears on card: _____

Here is the announcement of a conference on colour perception:

>From: Brian Funt <funt@cs.sfu.ca>
>Subject: Color conference Feb 9-10, 1996. Vancouver.

COLOR CONFERENCE ANNOUNCEMENT

COLOUR Perception: Philosophical, Psychological, Artistic
and Computational Aspects

Ninth Annual Vancouver Cognitive Science Conference

February 9-10, 1996

Simon Fraser University at Harbour Centre

Vancouver, British Columbia Canada

Presented by

Cognitive Science Program, Simon Fraser University

with support from

Social Sciences and Humanities Research Council of Canada
Faculty of Arts Simon Fraser University
Faculty of Applied Sciences Simon Fraser University
School of Computing Science Simon Fraser University
Polaroid Corporation and Pthalo Systems Inc.

Conference Chair
Brian Funt
Simon Fraser University

[details on program and registration info available in the programs
archive]

Well, that's it for this time. Your TC10 chairman,

Karl Tombre - INRIA Lorraine & CRIN-CNRS --- Email: Karl.Tombre@loria.fr
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Batiment LORIA, BP 239, 54506 Vandoeuvre CEDEX, France
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WWW URL: <http://www.loria.fr/~tombre>