

Newsletter 30

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Dear TC10 friends,

It's only one week since last TC10 news but I have so many pieces of info to send out again that I prefer to send it out now instead of having to send out a much too long mail later.

First, I received some new information about the data for the dashed-line detection contest:

>From: Arathi Prasad <prasad@pacific.cse.psu.edu>

The dashed line programs have been updated and have been copied to the ftp site. I tested it and it seems to work as expected. [...] Also, could you maybe send out a notice to all the participants about this. The compiled version uses 'khoros' routines to convert into tiff files. It is dependent on the setup path for these routines. I have therefore, not included a compiled version in the ftp directory. Let me know if any other information is needed or any problems encountered when running the program.

Thanks,

Arathi.

I include again excerpts of the contest announcement for details on ftp site etc.:

The test images and source code are available on the anonymous ftp site "ftp.cse.psu.edu" (130.203.2.11).

The path is : pub/vision/dashed_lines/(src, images)

The images directory contains samples of simple, medium and complex dashed-line images in TIFF 5.0 format. The khoros routines "raw2viff" and "viff2tiff" have been used to convert raw images into TIFF images.

The src directory contains all the source files for the creation of these images. Any updates on the src files will be posted.

The README file in the ftp site directory contains information about the dashed-line parameters (segment length, gap length etc.), image sizes, complexities, etc.

The SDAIR symposium is a well-known event in our community. Here is the CFP for the 1996 edition:

>From: Debra Wallace <wallace@earl-hooker.ISRI.UNLV.EDU>
>Subject: SDAIR'96 Call for Papers

Call for Papers SDAIR '96

Fifth Annual Symposium on
Document Analysis and Information Retrieval

April 15-17, 1996
Alexis Park Resort, Las Vegas, Nevada

SPONSOR

Information Science Research Institute
University of Nevada, Las Vegas

SYMPOSIUM CHAIR

Henry S. Baird
AT&T Bell Laboratories
henry.baird@att.com

PROGRAM CHAIRS

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pedersen@parc.xerox.com

SYMPOSIUM SECRETARY

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Information Science Research Institute
4505 Maryland Parkway
Box 454021
Las Vegas, NV 89154-4021
(702)895-4571
(702)895-1183 (fax)
sdair@isri.unlv.edu

SCOPE

The purpose of this symposium is to present results of state-of-the-art research and to encourage the exchange of ideas in the general field of automatic extraction of information from images of printed documents. Papers are solicited on all aspects of document image analysis and information retrieval, both theoretical and applied, with particular emphasis on:

Document Analysis:

High-Accuracy Transcription
Postprocessing of OCR Results
Keyword Search in Textual Images
Multilingual OCR, Language ID, etc.
Geometric and Logical Layout Analysis
Recognition of Forms, Tables and Equations
Models of Document Image Degradation
Methods for Performance Evaluation

Information Retrieval:

Full-Text Retrieval
Retrieval from OCR'ed Text
Image and Multimedia Retrieval
Text Categorization
Retrieval from Structured Documents
Language-Specific Influences on Retrieval
Evaluation of IR Systems
Text Representation

Papers on subjects in the intersection of these two areas will be given priority.

SUBMISSIONS

Please send five copies of complete papers, with the corresponding author's name, postal address, telephone and fax numbers and e-mail address, to the appropriate Chair:

Andreas Dengel, Chair (Document Analysis)
c/o Information Science Research Institute
University of Nevada, Las Vegas
4505 Maryland Parkway
Box 454021
Las Vegas, NV 89154-4021

Jan O. Pedersen, Chair (Info. Retrieval)
c/o Information Science Research Institute
University of Nevada, Las Vegas
4505 Maryland Parkway
Box 454021
Las Vegas, NV 89154-4021

Manuscripts should be no longer than 20 double-spaced pages or 5,000 words and should not already have been accepted for publication by another conference or journal, nor should they be submitted elsewhere during the SDAIR'96 review period. Both camera-ready paper and machine-readable source copies of accepted papers will be required. The proceedings will be available at the conference.

CONFERENCE TIMETABLE

Papers Due September 30, 1995
Notification To Authors December 1, 1995
Camera Ready and Machine Readable Copy January 15, 1996

DOCUMENT ANALYSIS COMMITTEE:

Andreas DENGEL, Chair, German Research Center for
Artificial Intelligence
Norbert BARTNECK, Daimler Benz Research Center
Hiromichi FUJISAWA, Hitachi Central Research Lab
Jonathan HULL, Ricoh California Research Center
Junichi KANAI, University of Nevada, Las Vegas
Larry SPITZ, Consultant, Palo Alto, CA

Suzanne TAYLOR, Loral Research Laboratory
Karl TOMBRE, INRIA Lorraine

INFORMATION RETRIEVAL COMMITTEE:

Jan PEDERSEN, Chair, Xerox Palo Alto Research Center
Susan DUMAIS, Bellcore
Stephen GALLANT, Belmont, Inc.
Donna HARMAN, National Institute of Standards & Technology
Marti HEARST, Xerox Palo Alto Research Center
David LEWIS, AT&T Bell Laboratories
Peter SCHAUBLE, Swiss Federal Institute of Technology (ETH)
Kazem TAGHVA, University of Nevada, Las Vegas
Yiming YANG, Mayo Clinic/Foundation

I received the following announcement from Ashok Samal. This is a workshop which may probably be of interest to many of you.

>From: samal@cse.unl.edu (Ashok Samal)
>Subject: Workshop announcement

TRENDS IN DOCUMENT IMAGE ANALYSIS

A Two-Day Workshop Sponsored by
Center for Communication and Information Science,
Nebraska Technology Development Corporation, and
UNL Department of Computer Science and Engineering

July 27 and 28, 1995
9:00 a.m. - 4:30 p.m.

Cornhusker Hotel
333 South 13th Street
LINCOLN, NEBRASKA

ABOUT THE WORKSHOP

Presentations and discussions with leading researchers in the field of imaging, optical character recognition and document analysis.

The workshop will include presentations by guest speakers as well as opportunities to participate in smaller group discussions with individual speakers. The current and potential applications of Optical Character Recognition / Document Image Analysis (OCR/DIA) will be addressed by a panel of our speakers. A second panel will discuss the role of OCR/DIA on the World Wide Web.

LIST OF SPEAKERS

Jonathan Hull
Head, Document Analysis Research Group
Ricoh, Menlo Park, California
Optical Character Recognition, Handwriting Recognition

Suzanne Liebowitz Taylor
Loral Corporation, Paoli, PA
Classification and Function Decomposition of Multilingual Business Correspondence

George Nagy
Professor, Rensselaer Polytechnic
OCR Challenges and Performance Evaluation

Gary Kopec
Xerox, Palo Alto Research Center
Document Image Decoding with Yellow Pages and Other Applications

Larry O'Gorman
AT&T Bell Laboratories
Murray Hill, New Jersey
Image Analysis and Digital Library

David Justin Ross
RAF Technology, Redmond, Washington
Use of Context to Enhance OCR Performance in Large Scale Conversions.

WHO SHOULD ATTEND

Researchers, strategic business and information technology planners, students and university faculty, entrepreneurs and others interested in the conversion of text and graphics to machine readable form for information retrieval and archival in automated banking, insurance, postal and other paper intensive industries.

GOAL OF THE WORKSHOP

The workshop will bring together top researchers in the area of optical character recognition (OCR) & document image analysis (DIA). It will also provide an opportunity for businesses in the information technology areas that could profitably apply these disciplines to explore the current state of the research.

Students that are interested in this leading edge technology and the prospects for research and career opportunities are strongly urged to attend. The workshop format, with both lecture and discussion groups and panels, will allow for many opportunities for close interaction among the speakers and the participants.

This workshop is an excellent opportunity to learn about current technical research in OCR/DIA. It provides particular insight into the current state of OCR & DIA application as well as future potential for areas that will require further development.

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GENERAL INFORMATION

Registration will begin at 8:30 a.m. on Thursday, July 27. Coffee and rolls will be served during registration. The conference will start promptly at 9:00 a.m. each day. Lunch will be served at 12:00 noon and is included in the general registration fee. (Student registration includes refreshments only. Meal coupons are available for purchase if requested.)

Parking in the Lincoln City garage, adjacent to the conference hotel, is 50 cents per hour or \$4.00 for a day. Anyone requiring overnight stay at the hotel or needing more information about the workshop, should contact Dr. Sharad Seth (402) 472-5003, or Dr. Ashok Samal (402) 47202217, or send FAX to (402) 472-1718.

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REGISTRATION

The workshop is partially funded by UNL's Center for Communication and Information Science, Nebraska Technology Development Corporation, and the Department of Computer Science and Engineering. The registration fee is intended to cover the cost of meals and refreshments.

General Registration:
(includes meals and refreshments)

- before June 22, 1995 \$30.00
- after June 22, 1995 \$50.00

Student Registration: \$ 5.00
(includes only refreshments)

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REGISTRATION FORM

Please register me for

TRENDS IN DOCUMENT IMAGE ANALYSIS
July 27 and 28, 1995

Cornhusker Hotel
333 South 13th Street
LINCOLN, NEBRASKA

Name: _____

Title: _____

Address: _____

City, State, Zip: _____

Phone: (____) _____

FAX: (____) _____

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Mail Check and Registration to:

Donna McCarthy
Center for Communication and Information Science
213C Ferguson Hall
University of Nebraska
Lincoln, NE 68588-0156

Checks should be made payable to UNIVERSITY OF NEBRASKA-LINCOLN. Checks must be received prior to attending the workshop.

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This announcement and further updates about the workshop can be found on WWW.

WWW URL : <http://cse.unl.edu/~samal/workshop.html>.

Here is some information about the coming ICIP'95 conference:

>From: Maureen Quirk <icip95@ccr-p.ida.org>
>Subject: Intl_Conf_on_Image_Processing_1995

IEEE SIGNAL PROCESSING SOCIETY /| /|
/ |ICIP / |
1995 INTERNATIONAL CONFERENCE ON IMAGE PROCESSING / _|_ / |
October 23-26, 1995 | | | | |
Hyatt Regency Crystal City | / | /
Washington, D.C., USA | / 95 | /
/ | | | /
ON-LINE INFORMATION

NEW Information: Session Titles, Tutorials, Registration, Hotels

WWW address: <http://www.ee.princeton.edu/~icip95>
ftp site: <ftp://ftp.ee.princeton.edu/pub/ICIP95>
information: icip95@ieee.org See instructions at end of message.

Mail to icip95@ieee.org or icip95@ccr-p.ida.org is processed by procmail.
To ask a question or receive information, please include the appropriate
keyword as the Subject of your message. (Note: one keyword per message)

To ask a question or reach the Conference Managers use Subject:

question - to ask a question
ICIP - to reach the Conference Management. Note that their
direct address is: mercerc@conf-mgmt.com

To receive an automatic reply on a specific subject use Subject:

Information - Keywords, Program, Registration and Hotel information
Keywords - This list of keywords.
Program - Session Titles, Plenary Topics, and Tutorials.
Registration- Information and form
Hotel - Information and form
Tutorials - Information and registration forms
Call - The Call-for-Papers
Style - The LaTeX style file for camera-ready papers
Exhibits - The Exhibitor's Prospectus

Note: If you make any inquiry about ICIP-95, you will be added to the
ICIP mailing list and will receive all future information automatically
as soon as it becomes available. If you wish to be removed from
the mailing list, send a message containing the email address through
which you received our mail with Subject:

delete - Request to be deleted from the ICIP mailing list

Conference Manager:

Billene Mercer
Conference Management Services
mercerc@conf-mgmt.com

2553 Texas Avenue South
Suite C-283
College Station, TX 77840
Tel: 409-696-6596
Fax: 409-696-6653

Here is a CFP for a conference on machine vision applications,

>From: rao@watson.ibm.com
>Subject: Machine Vision Applications in Industrial Inspection 1996

Machine Vision Applications in Industrial Inspection 1996

Conference Chairs: A. Ravishankar Rao, IBM Thomas J. Watson Research Ctr.;
Ning Chang, KLA Instruments Corp.

Program Committee:

Joon Han Pohang University
Robert Haralick University of Washington
John Jordan Tencor Instruments
Shree Nayar Columbia University
Maria Petrou University of Surrey
Jorge Sanz University of Illinois
Ken Tobin Oak Ridge National Laboratory

Machine vision systems can augment human vision capabilities in repetitive or high-speed industrial inspection tasks or when precise visual measurement and inspection are required. These systems improve manufacturing productivity, quality, and compliance with product standards, and thus provide a competitive advantage. Improvements in machine vision hardware, algorithms, and software expand the range of industrial processes to which this technology can be successfully applied.

This conference brings together practitioners and researchers in machine vision to share recent developments in computer vision architectures, hardware, algorithms, and software for industrial inspection tasks. Papers are solicited but not limited to the following areas:

- * new or improved algorithms for industrial inspection
- * novel hardware designs for machine vision systems
- * robot vision and tracking
- * verification and identification
- * performance evaluation of algorithms
- * use of 3D or color imaging techniques
- * automatic defect classification
- * software systems for flexible automatic inspection
- * applications of machine vision in microelectronics manufacturing, web and paper products, glass and steel inspection, food and agriculture, and pharmaceuticals.

Papers emphasizing fundamental methods that are widely applicable to industrial inspection are especially welcome. All submissions will be peer reviewed. Please note that abstracts must be at least 500 words in length in order to receive full consideration.

This conference is just one of nearly 30 conferences to be held at the EI'96 symposium. And EI'96 is just part of the larger Photonics West Symposium being held 27 January - 2 February 1996, San Jose Convention Ctr., San Jose, California USA.

TO OBTAIN ALL CALLS FOR PAPERS ELECTRONICALLY

The calls for papers for all conferences in the Photonics West symposium will be available early June on SPIE Web

(http://www.spie.org/web/meetings/calls/pw96_home.html),

by anonymous FTP

(<ftp://spie.org/meetings/calls/pw96>),

or by e-mail file retrieval

send a message to info-optolink-request@spie.org with the following in the message body:

send [meetings.calls]pw96*

For a printed call for papers or other information:

E-mail: pw96@spie.org

Fax: 360/647-1445 (*)

Phone: 360/676-3290 (*)

Electronic Imaging '96 DEADLINES

Paper Abstracts Due from Authors:

3 July 1995

Advance Programs due from Chairs:

31 July 1995

Manuscripts Due from Authors:

2 January 1996

GUIDELINES FOR SUBMITTING AN ABSTRACT

Send a 500 word abstract of your paper, by the appropriate deadline, in ONE of the following ways:

>>mail (please mail 4 hard copies) to:

IS&T/SPIE Electronic Imaging '96

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 Internet abstracts@spie.org

(Please send one submission per email message.)

>>fax to SPIE at 360/647-1445 (*)

(Please send one submission 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 [first(given) last(family)] and affiliation, mailing address, phone/fax numbers, email
3. ABSTRACT/PAPER TITLE
4. ABSTRACT TEXT: 500 words typed on white paper
5. KEYWORDS: maximum of 5 keywords
6. BRIEF BIOGRAPHY of the principal author: 50-100 words

Please contact SPIE if you have any questions or require further information.

(*) 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. You may also call SPIE at 800/483-9034, a temporary number for use during this transition to the new area code.

Here is a CFP for the 1996 Graphics Interface Conference

First Call for Papers GI'96 (Graphics Interface '96)
To be held 21-24 May 1996, Toronto, Canada
Submission deadline 31 October 1995

Organized by the Canadian Human Computer Communications Society

Contact: Richard Bartels
Computer Graphics Laboratory
Computer Science Department
University of Waterloo
200 University Ave. W.
Waterloo, Ontario N2L 3G1
Canada
Phone: 1-519-888-4567 ext. 4534
FAX: 1-519-885-1208
E-mail: rhbartel@uwaterloo.ca

Languages: English, French

Manuscripts are solicited describing unpublished research results and applications experience in all areas of computer graphics and computer-
- human interaction, specifically
including the following:

Image Synthesis & Realism, User Interfaces,
Shading & Rendering Algorithms, Windowing Systems,
Geometric Modeling, Computer Cartography,
Computer Animation, Image Processing,
Interactive Techniques, Medical Graphics,
Graphics for CAD/CAM, Graphics in Education,
Computer-Aided Building Design, Graphics & the Arts,
Industrial & Robotics Applications, Visualization,
Graphics in Business, Graphics in Simulation.

Film and video tapes that illustrate the use of computer graphics and interactive techniques are also solicited. This visual material could present new techniques, the artistic application of computer graphics, or a historical perspective of the field. Manuscripts will be refereed. Films will be selected for presentational appeal. Accepted manuscripts will appear in a published proceedings, available with registration at the conference and through the publisher or via SIGGRAPH "F15 Plus" membership thereafter. Accepted films and tapes will be given a showing at the conference. For submission instructions and other information, see the "Contact" above or the WWW page "<http://www.cgl.uwaterloo.ca/~rhbartel/GI96/info.html>"

I also received a CFP for a workshop on parallel image analysis:

>From: Patrick Wang <pwang@ccs.neu.edu>
>Subject: F.Y.I. Conf at Lyon, France'95
>From: Serge.Miguet@ip.ens-lyon.fr Tue Jun 6 12:45:46 1995
>Subject: IWPIA deadline june 20 1995

LAST ANNOUNCEMENT and CALL FOR PAPERS
NOTE : DEADLINE JUNE 20 !

THE FOURTH INTERNATIONAL WORKSHOP ON

PARALLEL IMAGE ANALYSIS:

Theory and Applications

Lyon, France, December 7-9, 1995

The meeting is the fourth in a serie of workshops dedicated to Parallel Image Analysis. Previous editions took place in Paris in June 1991, in Ube (Japan) in December 1992 and in Washington DC in June 1994. The Workshop will be held on December 7-9, 1995 at Ecole Normale Sup'erieure de Lyon, France. It will consist of invited and contributed papers on models, algorithms, and architectures for parallel image analysis.

Workshop Committee:

Organization Co-Chairs:

Maurice NIVAT, University of Paris VII - France
Yves ROBERT, Ecole Normale Sup'erieure de Lyon - France

Program Co-chairs:

Serge MIGUET & Annick MONTANVERT
Ecole Normale Sup'erieure de Lyon - France

Program Committee:

G. BERTRAND (ESIEE Paris, France)
J.M. CHASSERY (TIMC-IMAG Grenoble, France)
L. DAVIS (University of Maryland, USA)

K. INOUE (Yamaguchi University, Japan)
J.M. JOLION (INSA Lyon, France)
T.Y. KONG (City University of New-York, USA)
M. KUNT (EPFL Lausanne, Switzerland)
A. NAKAMURA (Meiji University)
M. REED (Oxford University, United Kindom)
J.P. REVELLES (University of Strasbourg, France)
A. ROSENFELD (University of Maryland, USA)
S. UBEDA (University St-Etienne, France)
P. WANG (Northeastern University, USA)

Suitable topics include : grammars and automata, theoretical models for parallel image analysis, complexity analysis of parallel imaging operators, parallel models for representation of data, parallel algorithms for 2D/3D image processing, parallel architecture for image processing.

Authors should send four copies of complete manuscripts to the Program Co-Chairs at the following address (e-mail submission of PostScript files are also available):

Serge MIGUET
Laboratoire de l'Informatique du Parall'elisme
Ecole Normale Sup'erieure de Lyon
46, All'ee d'Italie
69364 LYON CEDEX 07-FRANCE
Serge.Miguet@lip.ens-lyon.fr

Papers must be received by June 20, 1995. Authors will be notified of acceptance by September 15, 1995. Camera-ready copy will be due by November 1, 1995. Proceedings will be distributed at the Workshop, and the papers will also be considered for inclusion in a journal special issue "International Journal of Pattern Recognition and Artificial Intelligence".

Well, as often, this is quite long. So let us stop here for this time.

Your TC10 chairman,

--

Karl Tombre - INRIA Lorraine & CRIN-CNRS --- Email: Karl.Tombre@loria.fr
Post: 615 rue du jardin botanique, BP 101, 54602 Villers CEDEX, France --or--
Batiment LORIA, BP 239, 54506 Vandoeuvre CEDEX, France
Phone: +33 83.59.20.71 --- Fax: +33 83.27.83.19 --or-- +33 83.41.30.79
WWW URL: <http://www.loria.fr/~tombre>