

Newsletter 17

Dear TC-10 members,

Here comes a new report from IAPR TC-10. I hope may of you are planning these days their trips to Jerusalem for ICPR'94 and/or to Kaiserslautern for DAS'94 and that we will have the pleasure to meet there. We will of course have an official TC10 meeting during ICPR; more on that in a later posting, as soon as I know more details.

Speaking of ICPR, here are first some updates sent out by Shmuel Peleg:

>From peleg@cs.huji.ac.il Tue Jul 26 14:23:25 1994
>Message-Id: <199407261104.AA27827@cs.huji.ac.il>
>From: Shmuel Peleg <peleg@cs.huji.ac.il>
>To: mailing-list@cs.huji.ac.il
>Subject: Updates on 12-ICPR, Jerusalem
>Date: Tue, 26 Jul 1994 14:04:09 +0300

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***** Updates *****
12th ICPR : INTERNATIONAL CONFERENCE ON PATTERN RECOGNITION
9-13 October 1994
Renaissance Hotel, Jerusalem, Israel
***** Advance Registration Deadline: 9 August 1994 *****
***** Authors: Camera ready due August 8 at the IEEE Computer Society *****
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1. Get full updated information by sending E-Mail to icpr-info@cs.huji.ac.il.
2. A network of 15 Silicon Graphics computers and 10 NCD X-terminals, with a high-speed Internet link, will be available. Bring your Demonstrations!! You could also telnet to your own computer, of course, and read E-Mail.
3. On-Line information about Jerusalem can be obtained by telnet into "www.huji.ac.il", login as www, and then select "[1] Line Mode Interface" followed by "[3] Databases in Israel" and "[13] The Jerusalem Mosaic". Dont worry if you get some funny symbols. If you have Mosaic you can select: <http://shum.cc.huji.ac.il/jeru/jerusalem.html>
4. The Banquet will be a Bedouine feast, combined with a special sight-and-sound show, at the foot of Massada. An unfogettable experience! During the banquet, the following announcements will be made:
 - * IAPR Announcement: New IAPR Executive Committee, Venue for 14-ICPR
 - * Nomination of IAPR Fellows
 - * Best Industry-Related Paper Award
 - * Best-Paper-Award by the journal "Pattern Recognition"
5. The opening session of the conference will be on Monday, 10 Aug, 08:30 AM:
 - 8:30 Welcome Address: J. Aggarwal, President of IAPR
 - 8:40 Presentation of the K.S. Fu Award
 - 8:45 Address by the winner of the K.S. Fu Award
 - 9:15 Welcome Address: 12-ICPR Conference Chairmen
 - 9:30 Plenary Talk: Avnir, D. - Hebrew University - THE PATTERNED NATURE
 - 10:00 Coffee Break
 - 10:30 Start of 4 Parallel Sessions
6. Master Card is now also accepted for registration payments.

Several members of TC-10 will also meet the week before ICPR in Nahariya, for the SSPR'94 workshop. Here is its call for participation and preliminary program:

>From sspr94@ie.technion.ac.il Sun Jul 17 17:08:02 1994
>From: SSPR94 Conference <sspr94@ie.technion.ac.il>
>Subject: SSPR'94 - Preliminary Program
>Date: Sun, 17 Jul 1994 17:44:25 +0300 (EET DST)

Call for Participation and Preliminary Program
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IAPR INTERNATIONAL WORKSHOP ON
STRUCTURAL AND SYNTACTIC PATTERN RECOGNITION
SSPR'94

OCTOBER (3)-4-5-6-(7) 1994
CARLTON HOTEL, NAHARIYA, ISRAEL

Syntactic and structural pattern recognition encompasses all aspects of pattern recognition related to the structure or syntax of the patterns under consideration as a basis for recognition.

SSPR'94 is the fifth in a series of workshops organized by the Technical Committee on SSPR of the International Association for Pattern Recognition (IAPR). It is held traditionally in conjunction with the IAPR International Conference on Pattern Recognition (ICPR). This year, the ICPR takes place Jerusalem following SSPR'94. This Workshop is supported by the Technion, Israel Institute of

Technology and the Ministry of Science and the Arts. We are looking forward to a great, truly international event. Attendance is primarily reserved for contributors of papers, but it is possible to accommodate a limited number of additional researchers in the field.

Location
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The Workshop will take place in Nahariya, a pleasant Mediterranean resort town, 25 Km north of Haifa. The Workshop venue is Carlton Hotel, located on Ga'aton Boulevard, Nahariya. The weather in October in Nahariya is pleasant and may be a little cool in the evenings.

Arrival
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>From Ben-Gurion International Airport (Tel Aviv) take a taxi (about \$20) to Tel Aviv Central train station. A train to Nahariya leaves at 12:00, 14:00, 15:00, 16:00 and 17:00. Take the train to its final destination. Carlton Hotel is 10-15 minute walking distance from the train station. You can take a taxi to the hotel too. Alternatively, if train hours are not convenient, take the taxi to the Tel Aviv new central bus station and from there go to Nahariya.

About this document
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This document is distributed over electronic mail, and can be obtained as the file `sspr94.prog` via anonymous ftp to `ftp.technion.ac.il` under directory `/pub/supported/ie/sspr94`. A paper version is being sent to contributors.

Camera ready abstracts and papers
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At the Workshop we will provide an Abstract Proceedings. A book titled "Syntax and Structure in Pattern Recognition," containing the (further refereed) contributions to the Workshop, will be published by World Scientific Publishing Co., Singapore, as part of the Series in Machine Perception and Artificial Intelligence, edited by H. Bunke.

In the paper version of this document we enclose instructions for typesetting camera-ready manuscripts as required by World Scientific. We also enclose similar instructions for the abstracts. Please adhere to the instructions to ensure a uniform appearance.

The instructions were produced using LaTeX and arranged according to the requirements. There are two files: `abstract.tex` and `wsp.tex`. that can be obtained via anonymous ftp to `ftp.technion.ac.il` under directory `/pub/supported/ie/sspr94`. These LaTeX files may be used as a sample for preparing your contribution. If possible, please send also a Postscript file of both the abstract and the full paper to sspr94@ie.technion.ac.il. Page limitation: Abstract - one page. Full paper: ten (10) pages, including references, figures, appendices, etc. No extra pages can be accepted.

Deadlines:
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Camera-ready abstracts: August 15, 1994.
Camera-ready manuscripts: September 1, 1994.
Please send all material to:

Dr. Dov Dori, Chairperson, SSPR'94
Faculty of Industrial Engineering and Management
Technion, Israel Institute of Technology
Haifa 32000, Israel.

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Preliminary Program
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Monday, October 3
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5:00 - 7:00 PM: Arrival and Registration
7:00 - 9:00 PM: Reception

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Tuesday, October 4
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8:00 - 8:30 AM: Registration

8:30 - 8:45 AM: Welcome address

Session 1: Mathematical Morphology and Digital Geometry
Chair: Robert M. Haralick

8:45 - 9:15 AM: L. Dorst, (Holland; Invited talk):
NEW RESULTS IN MATHEMATICAL MORPHOLOGY.
9:15 - 9:35 AM: S.V. Ablameyko, C. Arcelli, G. Sanniti
di Baja, (Belarus/Italy):
FINDING AND RANKING BASIC STRUCTURES
ON COMPLEX LINE PATTERNS.
9:35 - 9:55 AM: R. Ogniewicz, (Switzerland):
AUTOMATIC MEDIAL AXIS PRUNING BASED
ON CHARACTERISTICS OF THE SKELETON-SPACE.
9:55 - 10:15 AM: A. Jonas, N. Kiryati, (Israel):
LENGTH ESTIMATION OF 3D DIGITAL CURVES.

10:15 -10:45 AM: Coffee Break

Session 2: Multi-Resolution and Multi-Scale Approaches
Chair: Horst Bunke

10:45 -11:15 AM: Yehoshua Zeevi (Israel; Invited talk):

Wavelet type approach to pattern recognition

11:15 -11:35 AM: V. Buker, P. Haasper, B.

Mertsching (Germany):

EFFICIENT SHAPE RECOGNITION

OF HIERARCHICALLY ENCODED

STRUCTURES

BY MOMENTS FROM BOUNDARIES.

11:35 -11:55 AM: J.S. Lee, G-S. Tseng, C.H. Chen, Y-N.

Sun, (Taiwan):

A NEW MULTISCALE-BASED SHAPE

RECOGNITION METHOD.

11:55 -12:15 PM: R. Kimmel, N. Kiryati, (Israel):

COMPUTING SHORTEST PATH ON 3D SURFACES.

A COARSE TO FINE APPROACH.

12:15 - 2:00 AM: Lunch Break

Session 3: Invariants in Shape Recognition
Chair: Herb Freeman

2:00 - 2:30 PM: R. Mohr, (France; Invited talk):

INDEXING WITH PROJECTIVE INVARIANTS.

2:30 - 3:00 PM: J.M. Morel (France; Invited talk):

TOPICS IN INVARIANT SHAPE RECOGNITION.

3:00 - 3:30 PM: Zygmunt Pizlo, A. Rosenfeld, I. Weiss,

(USA; Invited talk):

INTERDISCIPLINARY STUDY OF

VISUAL INVARIANTS.

3:30 - 4:00 PM: Coffee Break

Session 4: Handwritten and Printed Character Recognition
Chair: Karl Tombre

4:00 - 4:30 PM: K. Hussein, A. Agarwal, A. Gupta, P.S.P. Wang,

(USA; Invited talk);

A KNOWLEDGE BASED SEGMENTATION

ALGORITHM FOR ENHANCED RECOGNITION OF

HANDWRITTEN COURTESY AMOUNTS.

4:30 - 4:50 PM: A. Eliaz, D. Geiger, (Israel);

WORD-LEVEL RECOGNITION OF SMALL SETS

OF HANDWRITTEN WORDS.

4:50 - 5:10 PM: V. Klyahzkin, E. Shchepin, K.

Zingerman,

(Russia);

APPLICATION OF HIERARCHICAL METHODS

OF CLUSTER ANALYSIS TO PRINTED

TEXT RECOGNITION.

5:10 - 5:30 PM: H. Luo, I. Dinstein, (Israel);

USING DIRECTIONAL MATHEMATICAL

MORPHOLOGY FOR SEPARATION OF CHARACTER STRINGS

FROM TEXT/GRAPHICS IMAGES.

7:30 - 9:00 PM: Dinner at the Hotel - together

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Wednesday, October 5

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9:00 AM - 14:30 PM: Accompanying person tour to Ein-Hod
Artist Village on Mount Carmel.

Session 5: Document Analysis and Recognition
Chair: Henry Baird

8:45 - 9:15 AM: R. Haralick, (USA; Invited talk);

DOCUMENT ZONE DELINEATION

AND CLASSIFICATION.

9:15 - 9:45 AM: H. Freeman, (USA; Invited talk)

ON AUTOMATED LABELLING OF MAPS.

9:45 -10:05 AM: P. Vaxiviere, K. Tombre, (France);

SUBSAMPLING : A STRUCTURAL APPROACH

TO TECHNICAL DOCUMENT VECTORIZATION.

10:05 -10:25 AM: M. Weiss, D. Dori, (Israel);

VARIATIONAL GEOMETRY IN

ENGINEERING DRAWINGS INTERPRETATION.

10:25 -10:45 AM: Coffee Break

Session 6: 2-D and 3-D Object Recognition
Chair: Roger Mohr

10:45 -11:15 AM: H. Bunke, A. Veltschi,

(Switzerland; Invited talk):

3D OBJECT RECOGNITION FROM RANGE DATA

USING A RELATIONAL MATCHING TECHNIQUE.
11:15 -11:35 AM: X.Y. Jiang, H. Bunke, (Switzerland):
A FRAMEWORK OF SYMMETRY EXPLORATION IN
3D OBJECT RECOGNITION.
11:35 -11:55 AM: A. Filbois, D. Gennerle, G.
Massini, (France):
RELIABLE 3D PRIMITIVES FOR
POLYHEDRAL OBJECT RECOGNITION.
11:55 -12:15 PM: S. Menet, D. Guillaume, (France):
3D SNAKES APPLIED TO BRAIN
DEFORMATIONS TRACKING.

12:15 - 2:00 AM: Lunch Break

Session 7: Image Analysis and Recognition
Chair: Patrick Wang

2:00 - 2:30 PM: R. Basri (Israel; Invited talk):
Recognition using regioN correspondences
2:30 - 2:50 PM: L.H. Andersen, P. Jurgensen, O.V.
Larsen,
(Denmark):
FINGERPRINT VERIFICATION.
2:50 - 3:10 PM: M. Ozaki, (Japan):
LOGICAL TAGGING OF DOCUMENT IMAGES BY
WHITE SPACE PATTERN MATCHING.
3:10 - 3:30 PM: A. Spitz, (USA):
USING CHARACTER SHAPE CODES FOR
WORD- SPOTTING IN DOCUMENT IMAGES.
3:30 - 4:00 PM: Coffee Break

Session 8: Mathematical Approaches to Pattern Recognition
Chair: Ronen Basri

4:00 - 4:30 PM: H.S. Baird, C.L. Mallows
(USA; Invited talk):
BOUNDED ERROR PRECLASSIFICATION TREES.
4:30 - 4:50 PM: H.T. Siegelmann, (Israel):
RECURRENT NEURAL NETWORKS AND
FINITE AUTOMATA.
4:50 - 5:10 PM: V.A. Soifer, S.N. Khonina, N.Y.
Ilyasova,
(Russia):
STRUCTURAL METHODS IN PATTERN
RECOGNITION USING OPTICAL KARHUNEN-LOEVE'S EXPANSION.
5:10 - 5:30 PM: V. Valev, P. Radeva, (Bulgaria-Spain):
STRUCTURAL PATTERN RECOGNITION BY
NON- REDUCIBLE DESCRIPTORS.

7:30 -11:30 PM: Going by bus to Rosh-Hanikra
for dinner, marine cave exploration and
singing group performance.

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Thursday, October 6
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Session 9: Learning in Pattern Recognition
Chair: Micha Lindenbaum

8:45 - 9:15 AM: R. Alquezar, A. Sanfeliu
(Spain; Invited talk):
INCREMENTAL GRAMMATICAL INFERENCE
FROM POSITIVE AND NEGATIVE DATA
USING
UNBIASED FINITE STATE AUTOMATA.
9:15 - 9:35 AM: T. Chan (Japan):
INDUCTIVE PATTERN LEARNING.
9:35 - 9:55 AM: P. Perner, (Germany):
AN INCREMENTAL LEARNING SYSTEM
FOR INTERPRETATION OF IMAGES.
9:55 -10:15 AM: A. Held, K. Abe (Japan):
LEARNING STRUCTURAL DESCRIPTIONS
FROM IMAGES.

10:15 -10:45 AM: Coffee Break

Session 10: Neural Networks, Biological Models
and Learning Automata
Chair: Gabriella Sanniti di Baja

10:45 -11:15 AM S. Edelman, (Israel; Invited talk):
REPRESENTATION OF STRUCTURE IN
BIOLOGICAL VISION.
11:15 -11:35 AM: B.J. Oonmen, E.V. de St. Croix, (Canada):
STRING TAXONOMY USING LEARNING AUTOMATA.
11:35 -11:55 AM: A. Sanfeliu and R. Alquezar
Active Grammatical Inference: A
new learning methodology
11:55 -12:15 PM: H.T. Siegelmann, (Israel):
TOWARDS A NEURAL PROGRAMMING PARADIGM.

12:15 - 2:00 AM: Lunch Break

Session 11: Probabilistic and Graph-based Methods
Chair: Alberto Sanfeliu

2:00 - 2:20 PM: R. Wilson, E.R. Hancock, (UK):
INEXACT GRAPH MATCHING CRITERIA.

2:20 - 2:40 PM: N. Sharp, E. Hancock, (UK):
MULTI-FRAME FEATURE TRACKING
BY PROBABILISTIC RELAXATION.

2:40 - 3:00 PM: B.T. Messmer, H. Bunke, (Switzerland):
EFFICIENT ERROR-TOLERANT
SUBGRAPH ISOMORPHISM.

3:00 - 3:20 PM: I. Yoda, K. Yamamoto, H. Yamada,(Japan):
ACQUISITION OF STRUCTURAL
MORPHOLOGICAL PROCEDURE BY INTRODUCING ERA INTO
GENETIC ALGORITHMS.

3:20 - 3:40 PM: B.A. Galitsky, (Russia):
AUTOMATIC SYNTHESIS OF FEATURES FOR
IMAGE INTERPRETATION.

7:30 - 9:30 PM: Farewell dinner

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Friday, October 7
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8:30 AM - 1:00 AM: Tour to ISKAR Computer-Integrated Manufacturing
facility and the Open-air Museum at Tefen Industrial Park

Traveling to Jerusalem

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If you plan on going to the ICPR in Jerusalem, we would like
to explore the possibility of providing you the option
of taking a bus together from Nahariya directly to Jerusalem
on Friday October 7. If enough people will sign up, the bus will leave
around 1:30 from Carlton Hotel in Nahariya and will arrive at Jerusalem
around 4:30. Please note that there is no public transportation available
from Friday afternoon throughout Saturday night. The estimated cost is
between \$15 to \$20 per person. Please indicate if you wish to use the bus
in the registration form.

REGISTRATION

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Registration Fee:

US\$265 - by August 15, 1994

US\$345 - after August 15, 1994

US\$105 - Extra copy of the Workshop book "Syntax and Structure in
Pattern Recognition," (AIR MAIL).

US\$ 90 - Extra copy of the Workshop book "Syntax and Structure in
Pattern Recognition," (SURFACE MAIL).

US\$ 80 - Extra ticket for accompanying person social events and
1/2 day tour to Ein-Hod Artist Village on October 5.

US\$ 25 - Extra ticket for 1/2 day tour in TEFEN on Oct. 7
(incl. lunch).

The basic registration fee includes all sessions, one copy of the proceedings
abstracts, one copy of the book "Syntax and Structure in Pattern
Recognition," which will be published by World Scientific Publishing Co.,
Singapore, coffee breaks and all the social events.

The form should be returned along with one check or money order payable
to the order of "SSPR 94" drawn in US dollars.

Send to: SSPR'94

C/O Nilly Schnapp

Faculty of Industrial Eng. and Management

Technion, Haifa 32000, ISRAEL

E-mail: IERNS01@technion.technion.ac.il

(after Aug. 10: sspr94@ie.technion.ac.il)

Tel: 972-4-294445 Fax: 972-4-235194

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SSPR'94 Registration Form

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Last Name: _____ First Name: _____

Affiliation: _____

Mailing Address: _____

Daytime Phone _____ FAX Number _____

E-mail address: _____

Registration Fee: _____

___ Extra ticket(s) for accompanying person social events and tour _____

___ Extra ticket(s) for the Galilee tour on Friday October 7: _____

___ Extra copy/copies of the Workshop book _____

Total due: _____
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Please make a check or money order payable to SSPR'94, drawn in \$US.

HOTEL RESERVATION

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SSPR'94 rates for the CARLTON HOTEL:

Single room : US\$92 (Half Board)
Double room: US\$52 (Half Board)
The reservation must be made by August 15 to ensure availability and special rates to the hotel.

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I would like to reserve:

_____ Single room(s)
_____ Double room: shared with _____

No. of nights _____
Arrival date: _____ Departure date: _____

_____ I request VEGETARIAN meals.

Payment will be made directly to the hotel. No need for advance payment.

Transportation to Jerusalem:

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___ Yes, I am interested in organizing a bus transportation to Jerusalem on Friday afternoon.

I also had to write a biennial report to IAPR about TC10's activities in the 2 years since last ICPR. Although many of you are already aware of most of this info (the report is actually an update of a previous report written in March 1994), I thought it might be interesting to send you a copy of this report, especially for the benefit of our mailing list's new members (the list is continuing its regular growth). So here comes the full report, including the annexes. To "old" members of the mailing list: please excuse the repetitions...

Biennial report of activities for IAPR TC-10
July 29th, 1994

Technical Committee 10 on Graphics Recognition promotes interaction among researchers working in document image analysis in general, and graphics recognition in particular. Topics of primary interest to members of this Technical Committee are:

- recognition of graphical shapes
- segmentation of graphics from text
- conversion of line drawings and maps
- interpretation of engineering drawings of various kinds
- recognition of printed music, fingerprint, etc.

At the TC-10 meeting during ICPR in the Hague, Dr. Karl Tombre was proposed as the new chairman of TC-10, in replacement of prof. Rangachar Kasturi, who had just completed his four-year term as chairman. Subsequently, Dr. Tombre was formally appointed by the IAPR as chairman of TC-10.

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

- The 2nd IAPR Conference on Document Analysis and Recognition, co-sponsored by TC-10, TC-11 and IGS, was held in Tsukuba Science City, Japan, on October 20-22, 1993. ICDAR'93 was definitely a success, with around 400 attendees and an excellent organisation by our Japanese hosts. Many things were discussed in Tsukuba: scientific matters, organizational matters and friendly matters (conferences are also a good place to get acquainted with the real people behind the names in the bibliography lists!), so the outcome of ICDAR'93 was deemed very positive at all of these levels. We also had a TC10 meeting during ICDAR'93 to discuss the planned workshop on graphics recognition (see below for announcement, and annex 1 for minutes of meeting).

- The next ICDAR will be held in Montreal (Canada), on August 14-16, 1995. General chair is prof. C. Y. Suen (Canada), with co-chairs R. Plamondon (Canada) and S. Srihari (U.S.A.), and program co-chairs R. Kasturi (U.S.A.), G. Lorette (France) and K. Yamamoto (Japan). ICDAR'95 is sponsored by IAPR TC-10 and TC-11, by the International Graphonomics Society and by the Canadian Image Processing and Pattern Recognition Society. Paper Submission Due: December 1, 1994.

- At ICDAR'93, the venue of the Fourth ICDAR was also decided. It will be held in Ulm (Germany) in August 1997. The General Chair is

Prof. J. Schuermann. Several members of TC-10 are also involved in the preparation of this conference.

- Just after the next ICPR in Jerusalem, more precisely on October 18-20, 1994, a workshop on Document Analysis Systems (DAS'94) will be held in Kaiserslautern (Germany). Sponsors are IAPR TC-2, TC-10 and TC-11, and Daimler Benz. Workshops chairs: Andreas Dengel (Germany) and Larry Spitz (USA). The topics of interest to TC-10 will be largely covered in this workshop.

- In December 1992 was held in Tokyo the third IAPR workshop on Machine Vision Applications, co-sponsored by Technical Committees 6, 8 and 10. A number of papers, including an invited talk by K. Tombre, were related to Document Analysis and more specifically graphics recognition and engineering drawings analysis. Once again, IAPR TC-10 is sponsoring the 4th workshop in this series, MVA'94, which will be held on December 13-15, 1994 in Kawasaki, Japan, and which is again sponsored by IAPR TC-6, TC-8 and TC-10. Its main topic is machine vision and its applications, which includes machine vision algorithms, special purpose architectures, industrial applications and document, map and line drawing processing. Workshop Co-chairs: Mikio Takagi and Akira Maeda. An invited talk titled "The Object-Process Paradigm and its Application to Machine Vision" will be given at this workshop by Dov Dori, an active member of IAPR TC-10.

- In addition to these scientific events which TC-10 co-sponsors, we have decided to organize our own workshop in connection with the next ICDAR in 1995. This IAPR Workshop on Graphics Recognition, sponsored by IAPR and organized by TC-10, will be held on August 10-11, 1995 at the Pennsylvania State University (USA), the week before ICDAR'95 in Montreal. Workshop co-chairs: Rangachar Kasturi (USA) and Karl Tombre (France). Abstract submission due: December 31, 1994. See annex 2 for full call for papers.

We have also set up an electronic mailing list for TC-10 related activities, where information is regularly communicated (one posting every month on average) about TC-10's specific activities, other IAPR events of interest to our graphics recognition community (SSPR'94, ICPR'94, IWVF'94) and various other relevant announcements (other scientific events in image processing, document analysis and pattern recognition which may be of interest to TC-10 members, information about available databases and information servers on the Internet, etc.). There are currently 147 members of this mailing list (see annex 3 for full list of participants), which has sent out 17 "TC10 news" compilations of information since it was started in February 1993.

Address of TC-10's chairman:

Karl Tombre
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Batiment LORIA
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54602 Villers-les-Nancy CEDEX
France

Phone: +33 83.59.20.71

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E-mail: Karl.Tombre@loria.fr

Annex 1: minutes of TC10 meeting, October 21st, Tsukuba.

Present: L. Cordella, D. Dori, O. Hori, R. Kasturi, J. Kreich,
G. Monagan, B. Pasternak, K. Tombre, K. Tomiyama,
K. Yamamoto

Karl Tombre presents a draft of the call for papers for the TC10 workshop. This workshop is planned to be held just before ICDAR'95. R. Kasturi is willing to host the workshop at Penn State University.

Remarks were made by several people that this workshop must not drain away good papers from the main ICDAR conference. A discussion follows on the best way to organize the workshop. A consensus is reached not to call for plain papers but rather to define a number of panels on specific topics. For each of these topics, there could be 1 or 2 main paper presentations giving the state of the art and stating the open questions for the topic, followed by a number of shorter presentations where each participant is invited to contribute by proposing solutions to some of the questions or presenting results of his/her work. Each session would be concluded by a panel discussion. Therefore, the topics should first be defined (and every proposal is welcome); a call for contribution by short abstracts of remarks would then follow. We plan also time for working groups to discuss in detail specific problems.

Each session should last at least 2 hours. All in all, it is decided that a 2-days workshop is enough and the dates of August 10-11 are considered to be good. The workshop should be limited to about 75 persons.

The program committee will modify the call-for-papers draft to reflect this consensus; then the call for papers will be sent out. Discussions are being held with IAPR authorities for the workshop to be an

official IAPR event.

Annex 2: Call for papers for workshop on Graphics Recognition
organized by TC-10

IAPR Workshop on Graphics Recognition
(sponsored by the International Association for Pattern Recognition)

The Pennsylvania State University
University Park, Pennsylvania, 16802 USA

August 10-11, 1995

You are invited to participate in a single-track 2-day workshop on methods and systems for graphics recognition organized by IAPR TC-10 (Technical Committee on Graphics Recognition). The workshop will comprise several sessions dedicated to specific topics. For each session, there will be 1 or 2 main paper presentations giving the state of the art and stating the open questions for the session's topic, followed by a number of short presentations where each participant is invited to contribute by proposing solutions to some of the questions or presenting results of his/her work. Each session will be concluded by a panel discussion. There will also be time for working groups where participants can discuss in detail specific problems.

The workshop will be held just before the 3rd International Conference on Document Analysis and Recognition (Montreal, Canada, August 1995). Attendance will be limited to 75 persons. All participants are expected to contribute actively to the workshop, either by presenting a full state-of-the-art paper, or by an abstract of remarks on a specific topic. You are invited to submit to the program committee an abstract (maximum 2 pages) of your proposed contribution to the workshop. Please indicate also if you would be willing to present a state-of-the-art paper on this topic, if invited to do so by the program committee.

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

Relevant topics include but are not limited to:

- raster-to-vector techniques
- recognition of graphical primitives
- recognition of graphic symbols in charts and diagrams
- interpretation of engineering drawings, logic diagrams, maps, charts, etc.
- analysis of line drawings, tables, forms etc.
- 3-D models from multiple 2-D views
- description of complete systems for interpretation of graphics in scanned documents

Workshop Organization

Chairs:

Rangachar Kasturi
Department of Computer Science and Engineering
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University Park, PA 16802, USA
Email: kasturi@cse.psu.edu, Phone: +1 (814) 863-4254, Fax: +1 (814) 865-3176

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Program Committee:

Sergey Ablameyko Institute of Engineering Cybernetics, Minsk, Belarus
Atul Chhabra NYNEX Science & Technology, USA
Vincenzo Consorti IBM SEMEA, Italy
Luigi Cordella Naples University, Italy
Dov Dori Technion Haifa, Israel
Osamu Hori Toshiba R&D Center, Japan
Stephen Joseph Sheffield University, UK
Gerd Maderlechner Siemens AG, Germany
Babu Mehre ISS, National University, Singapore
Lawrence O'Gorman AT&T Bell Labs, USA
Theo Pavlidis SUNY at Stony Brook, USA
Ken Tomiyama Aoyama Gakuin University, Japan

Abstracts (max. 2 pages, 3 copies): December 31, 1994
Acceptance notification: March 15, 1995
Camera Ready Manuscripts: May 15, 1995

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

Annex 3: List of participants in TC-10 mailing list

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Well, this makes already a long post. Thank you for reading to the end. I wish happy holidays to those who haven't left yet and good work to those of us who have already come back (or who don't take any holidays...)

Your TC-10 chairman,

Karl Tombre