

Newsletter 59, March 1999

Newsletter of the IAPR Technical Committee on Graphics Recognition (TC10)
To subscribe to this newsletter and to join TC10, visit the URL:
<http://www.iapr-tc10.or.kr/membership/>

TC10 News #59

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CFP: Special Issue, J. Pattern Recognition: Shape for Image Databases

Call for Participation: ICASSP-99, Arizona, USA
Call for Participation: 3D Geospatial Data Production, Paris, France
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Call for Participation: ICMCS'99, IEEE Multimedia Computing and Systems

Book announcement: Pattern Recognition

Dear TC10 members and friends,

Welcome to issue #59 of TC10 News.

The submission deadline for the IAPR International Workshop on Graphics Recognition (GREC'99), the primary workshop of TC10, is drawing near. The original deadline was March 1. We have extended it to March 29, 1999. Hope this will encourage many of you to submit two page abstracts of your recent work. Abstracts can be submitted on-line through the GREC'99 web site.

Despite repeated requests, very few people have filled out the membership form on the TC10 web site. If you haven't done so already, please visit the web site <http://www.iapr-tc10.or.kr/membership/>

and fill out a simple membership form. Sometime in the future, I will start using the database of people who signed up on-line for generating the mail alias for TC10 News. Therefore, if you are interested in receiving TC10 News and the activities of TC10, it is imperative that you fill out the membership form on-line. If you have difficulty filling out the form, please e-mail me.

Now to the regular CFP's and announcements.

-Atul

> From: Atul Chhabra <atul@basit.com>
> Subject: CFP: GREC'99, IAPR Int. Workshop on Graphics Recognition, Jaipur, India

Dear friends,

Due to several requests, the submission deadline for the International Workshop on Graphics Recognition (GREC'99) has been extended until March 29, 1999. Please take note of the new deadline. Further details about the workshop can be found at the workshop web site:

<http://graphics.basit.com/iapr-tc10/GREC99/>

If you intend to submit an abstract, we request that you register your abstract on the web site

<http://graphics.basit.com/iapr-tc10/conferences/grec99/reg-paper.html>

as soon as possible. Later, when your submission is ready, you can upload it through the URL:

<http://graphics.basit.com/tc10.cgi-bin/upload.pl>

A revised call for papers is attached below. Please circulate this among your friends, colleagues, and students who are interested in graphics recognition.

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Final Call For Papers

GREC'99

Third IAPR International Workshop on Graphics Recognition

Jaipur, India
September 26-27, 1999

<http://graphics.basit.com/iapr-tc10/GREC99/>

DEADLINE FOR SUBMISSION OF 2 PAGE ABSTRACTS: MARCH 29, 1999

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 an invited presentation describing 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.

Relevant topics include but are not limited to:

- * raster-to-vector techniques
- * recognition of graphical primitives
- * recognition of graphic symbols in charts and diagrams
- * interpretation of engineering drawings, logic diagrams, maps, charts, etc.
- * analysis of line drawings, tables, forms etc.
- * graphics-based information retrieval
- * 3-D models from multiple 2-D views (line drawings)
- * interpretation of low-level ("dumb") CAD data
- * description of complete systems for interpretation of graphics in scanned documents
- * performance evaluation in graphics recognition

The workshop will be held just after the 5th International Conference on Document Analysis and Recognition (Bangalore, India, September 20-22, 1999). Jaipur, the GREC city, is located in northern India, 250 km from New Delhi. It is well connected to New Delhi by air, rail, and road.

Attendance will be limited to encourage active participation. 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 workshop chairs an abstract (2 pages plus figures, max 4 pages) of your proposed contribution to the workshop. Please indicate if you would be willing to present a state-of-the-art paper on this topic, if invited to do so by the program committee.

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

As at the past workshops, a graphics recognition contest will be held at GREC'99. Further details can be found at the GREC'99 web site.

The deadline for submission of abstracts has been extended to March 29, 1999. The preferred method of submission is through the web site <http://graphics.basit.com/iapr-tc10/conferences/grec99/submission.html>. If it is not possible for you to submit through the web, then please send three copies of your abstract to one of the co-chairs. Please specify your contact information, including your e-mail address, in the cover letter. Contact either one of the co-chairs for further information.

IMPORTANT DATES

Abstracts Due(2-4 pages): March 29, 1999 <<<<<<
Acceptance notification: May 1, 1999
Final Manuscripts Due: June 15, 1999

WORKSHOP ORGANIZATION:

CO-CHAIRS:

Atul Chhabra Dov Dori
Bell Atlantic Network Systems Information Systems Engineering
Advanced Technology Faculty of Industrial Engineering

500 Westchester Avenue and Management
White Plains, NY 10604 Technion-Israel Institute of Technology
USA Haifa 32000, Israel

Phone: 1 (914) 644-2786 Phone: (972) 4 8294409
Fax: 1 (914) 644-2561 Fax: (972) 4 8235194
Email: atul@basit.com Email: dori@ie.technion.ac.il

PROGRAM COMMITTEE:

Keiichi Abe, Japan Osamu Hori, Japan
Adnan Amin, Australia Rangachar Kasturi, USA
Dorothea Blostein, Canada Young-Bin Kwon, Korea
Horst Bunke, Switzerland Noshir Langrana, USA
Luigi Cordella, Italy Gerd Maderlechner, Germany
Marc-Pierrot Deseilligny, France Lawrence O'Gorman, USA
Its'hak Dinstein, Israel Theo Pavlidis, USA
David Doermann, USA Ihsin Phillips, USA
Georgy Gimelfarb, New Zealand Arnold Smeulders, Netherlands
Robert Haralick, USA Karl Tombre, France

LOCAL ORGANIZATION:

Santanu Chaudury, IIT Delhi
Atul Chhabra, Bell Atlantic

> From: TONY PRIDMORE <Tony.Pridmore@nottingham.ac.uk>
> Subject: CFP: BMVC99, British Machine Vision Conference, Nottingham, UK

Call for Papers

The British Machine Vision Conference (BMVC99)

The University of Nottingham
13 - 16 September, 1999

The British Machine Vision Conference (BMVC) is the main UK conference on machine vision and related areas. BMVC 99, the tenth BMVC, will be held in September 1999 at the Division of Manufacturing Engineering and Operations Management (MEOM), The University of Nottingham, Nottingham, UK. High-quality papers describing recent and novel research on aspects of computer vision, image analysis, image processing and pattern recognition are invited. Conference topics include (but are not limited to):

image features and coding
multi-view and stereo vision
grouping and segmentation
texture, shading and colour
object recognition
real-time and active vision
shape and surface geometry
medical and industrial applications

BMVC 99 will be a single-track meeting with oral and poster presentations. In addition to the contributed papers there will be presentations by invited speakers and a pre-conference tutorial programme. The Proceedings will be available to delegates at the conference and a selection of the best papers will be published separately in a special issue of the journal Image and Vision Computing.

BMVC 99 Conference Contacts:
Conference Chair:

Dr. Tony Pridmore
tony.pridmore@nottingham.ac.uk

Telephone: +44(0) 115 9514079
Fax: +44(0) 115 9514000

Conference Administrator:

Ms. Alison Parrett
alison.parrett@nottingham.ac.uk

Telephone: +44(0) 115 9514011
Fax: +44(0) 115 9514000
Address:

Division of Manufacturing Engineering and Operations Management
School of Mechanical, Materials, Manufacturing Engineering and Management
University of Nottingham
University Park
Nottingham NG7 2RD
United Kingdom

Key Dates:

Deadline for paper submission: April 23rd 1999
Notification of acceptance: June 14th 1999
Deadline for camera-ready copy: July 9th 1999

> From: ees1mp@ee.surrey.ac.uk (Maria Petrou)
> Subject: CFP: Int. Workshop Machine Learning and Data Mining in PR, Leipzig, Germany

INTERNATIONAL WORKSHOP on
MACHINE LEARNING AND DATA MINING IN PATTERN RECOGNITION

Institute of Computer Vision and Applied Computer Sciences
Leipzig /Germany

September 16 - 18, 1999

Co-chairs: Petra Perner and Maria Petrou

The Aim of the Workshop

The aim of the workshop is to bring together researchers from all over the world dealing with machine learning for image processing, image interpretation and computer vision in order to discuss the recent status of the research and to direct further developments in machine learning for image related topics. It is the first workshop of a series of workshops dealing with this specific topic.

The first workshop will give an overview to the on-going activities in this field and it will offer a platform to discuss particular problems concerned with learning in image related fields. Paper submissions should be related but not limited to any of the following topics:

- * inductive learning including decision tree and rule induction learning
- * conceptual learning
- * case-based learning
- * statistical learning
- * neural net based learning and
- * organizational learning

* probabilistic information retrieval related to image processing, image analysis, image interpretation, pattern recognition and computer vision.

Applications can be medical applications, industrial applications, biological applications but are not limited to these topics.

Researchers from the machine learning community are invited to present new topics in learning, which might be interesting to our research field.

Participants should submit three copies of their contribution to the workshop secretary:

Institute of Computer Vision and Applied Computer Sciences, "MLPR",
Arno-Nitzsche-Str. 45, 04277 Leipzig, Germany

In addition, participants should submit an electronic version of the manuscript to: ibai@aol.com

For the latest news look at <http://members.aol.com/ibai>.

The paper should have no more than 15 pages (double-spaced) and present original work of the authors. Papers will be reviewed by the program committee. It is under consideration to publish workshop papers in Springer Verlag's Lecture Notes in Computer Sciences and an extended version of selected papers will be published in a special issue of the Pattern Recognition Letters after the workshop.

Important Dates

Deadline for paper submission May 15th, 1999

Final Paper submission August 1st, 1999

> From: Dietrich Paulus <paulus@informatik.uni-erlangen.de>
> Subject: CFP: VMV 99, Workshop on Vision, Modeling, & Visualization, Erlangen, Germany

SFB 603 "Model-Based Analysis and Visualization
of Complex Scenes and Sensor Data"
Graduate Research Center "3-D Image Analysis and Synthesis"
University Erlangen-Nuremberg

ERLANGEN WORKSHOP '99
VISION, MODELING, AND VISUALIZATION
November 17 - 19, 1999, Erlangen, Germany

in cooperation with
IEEE Signal Processing Society
Gesellschaft fuer Informatik GI (FG 1.0.4, FG 4.1.2)

General Chair: Heinrich Niemann
Technical Program Chair: Bernd Girod
Publicity: Dietrich Paulus
Publications: Kai Hormann
Local Arrangements: Rudolf Rabenstein
Finances: Thomas Ertl
Guenther Greiner

This workshop is the fourth in a series of annual meetings organized by the Graduate Research Center "3-D Image Analysis and Synthesis." The first two meetings were held in Erlangen, the previous meeting was held in Alpbach, Austria. In 1999, the meeting is for the first time jointly organized with the new Center of Excellence SFB 603 "Model-based Analysis and Visualization of Complex Scenes and Sensor Data" at the University of Erlangen-Nuremberg. The program will consist of invited talks by internationally renowned speakers, as well as contributed papers.

The workshop will address the following topics:

- 3-D imaging
- Object localization and recognition
- Volume data processing and visualization
- Multisensor fusion and 3-D registration
- 3-D structure from motion and stereo
- Geometry-based and image-based rendering
- Geometric modeling
- Scene modeling and integration
- Multiview image processing and coding
- Applications (medical, robotics, fluid mechanics, manufacturing, automated inspection, virtual reality, communication etc.)

Prospective attendees are invited to submit a paper up to 8 pages in final form. All submissions will be reviewed. Accepted papers will appear in the workshop digest as submitted. Authors should obtain the author's kit (including LaTeX style-file) from <http://sfb-603.uni-erlangen.de/vmv99.html>

The author's kit provides complete information relative to the submission process. It is the intention of the Committee to conduct all communication with authors electronically. Questions should be directed to vmv99@informatik.uni-erlangen.de.

The General Chair can be reached at:
Prof. Dr.-Ing. Heinrich Niemann, Chair for Pattern Recognition
Department of Computer Science, University of Erlangen-Nuremberg
Martensstrasse 3, 91058 Erlangen, Germany
Phone: +49-9131-85-27774, Fax: +49-9131-303811
niemann@informatik.uni-erlangen.de

Authors' schedule:

Well ahead of deadline Obtain author's kit and LaTeX style-file
April 30, 1999 Paper submission
June 30, 1999 Notification of acceptance
August 31, 1999 Registration deadline

> From: Bernard Merialdo <Bernard.Merialdo@eurecom.fr>
> Subject: CFP: CBMI'99 European Workshop on Content-Based Multimedia Indexing, Toulouse, Fr

FIRST CALL FOR PAPERS - CBMI'99
European Workshop on
Content-Based Multimedia Indexing
Toulouse, France
October 25-27, 1999
<http://www.eurecom.fr/~bmgroup/cbmi99/>

The working group GT-10 Multimedia Indexing of the French GDR-PRC ISIS is organizing a European Workshop on Content-Based Multimedia Indexing (CBMI'99) which aims at bringing together various communities (audio, video, image, textual information retrieval) involved in various aspects of Multimedia Indexing.

The list of intended topics to be covered in the Workshop is (the list is not limitative):

- Multimedia indexing (image, audio, video, text)
- Multimedia content extraction
- Matching and similarity search
- Construction of high level indices
- Cross-modal indexing
- Models of representation
- Content-based search techniques
- Applications

This workshop will be located in Toulouse, France (<http://www.irit.fr/>) on October 25-27, 1999. Submissions will be based on full size papers (6-8 pages).

Important Dates :

Call for Papers: deadline March 31, 1999
Notification of Acceptance: May 28, 1999
Final version of accepted paper: June 30, 1999
Workshop dates: October 25-27, 1999

All details concerning the workshop will be found on the Webpage at : <http://www.eurecom.fr/~bmgroup/cbmi99/>

> From: "Lawrence O'Gorman" <log@veridicom.com>
> Subject: CFP: AutoID'99, Workshop on Automatic Identification, Morristown, NJ, USA

AutoID'99
CALL FOR PAPERS FOR SECOND
WORKSHOP ON AUTOMATIC IDENTIFICATION
ADVANCED TECHNOLOGIES

Morristown, New Jersey, USA
28-29 October, 1999

Sponsored by IEEE Robotics and Automation Society

This workshop brings together researchers, developers, and users of automatic identification technologies including:

- * Biometrics: Fingerprint, Eye, Face, Voice, Hand, Signature, Other.
- * Bar Code Systems and Other Symbolologies
- * Radio Frequency Identification (RFID)
- * Other Visual Identification Technologies

These auto-ID fields are at an exciting time in their evolution. Novel research developments are being made at a high rate, and these are being implemented into commercial systems. This workshop encourages attendance of both academic and industry participants to present, examine, and discuss new developments. The two-day workshop will include paper presentations, panel sessions, technology demonstrations, and meetings.

Technical papers are solicited in the topic areas listed above. These papers may describe research ideas, technical systems, or applications. Since this is a scientific and technical meeting, non-technical talks are not solicited. Important dates for the workshop are as follows: Paper submission deadline, 19-April-99; Notification of Acceptance, 1-June-99; Camera-Ready Paper, 15-July-99.

For paper submission, please send a 1-4 page abstract by 19-April-99 to Mary Clemente
AutoID Workshop
IEEE Operations Center
445 Hoes Lane
Piscataway, NJ 08855 USA

The Workshop will be held in Morristown, New Jersey, within a 40 minute drive from the Newark International Airport and New York City.

Workshop Chairs and Contact Information: Larry O'Gorman, General Co-Chair, Veridicom, Inc. (log@veridicom.com), Steve Shellhammer, General Co-Chair, Symbol Technologies (shell@symbol.com), Q. Peter Li, Local Chair, Bell Labs, Lucent Technologies (qli@bell-labs.com), Harley Heinrich, Program Chair, IBM Research, (harley@watson.ibm.com).

See <http://www.bell-labs.com/topic/conferences/AutoID-99>

Workshop Committee

Lawrence O'Gorman, Veridicom (General Co-Chair)
Steve Shellhammer, Symbol Technologies (General Co-Chair)
Jackson He, Symbol Technologies (Treasurer)
Q. Peter Li, Bell Labs (Local Chair)

[Program committee omitted for brevity. -Atul]

> From: "Zhang, Hongjiang" <hjzhang@exch.hpl.hp.com>
> Subject: CFP: MULTIMEDIA'99, Orlando, FL, USA

ACM MULTIMEDIA '99: MULTIMEDIA ON THE EVE OF THE 21st CENTURY
The 7th ACM International Multimedia Conference

October 30 - November 4, 1999
Orlando, Florida, USA

<http://www.acm.org/sigmm/MM99>

<<http://www.acm.org/sigmm/MM99>>

<http://www.kom.e-technik.tu-darmstadt.de/acmmm99/>

<<http://www.kom.e-technik.tu-darmstadt.de/acmmm99/>>

Sponsored by ACM SIGMM, SIGCOMM, SIGGRAPH and SIGMIS In Cooperation With SIGBIT, SIGCHI, SIGI and SIGOIS (tentative lists)

The seventh ACM Multimedia Conference (Multimedia 99) will be held at Orlando, Florida, USA, from October 30 to November 4, 1999. The conference provides an international forum for researchers, developers, educators, artists, and practitioners of multimedia to present and explore technological and artistic advances and innovations in the field. We cordially invite your participation in this premier annual multimedia event by submitting your work in all aspects of multimedia computing: from underlying technologies to applications, from theory to practice, and enterprise to home systems. We look forward to seeing you in Orlando in November 1999 for what will be a most rewarding and exciting experience! The conference hotel, Grosvenor Resort, is an official hotel of Walt Disney World and is located on thirteen landscaped acres in Walt Disney World Village across the street from Pleasure Island. Complementary transportation to other Disney theme parks is available. Orlando and central Florida are world-famous family-oriented recreation areas, and offer many multimedia and cultural attractions.

TECHNICAL PROGRAM

The technical program will consist of invited talks and plenary sessions with topics of general interest in three tracks for submitted papers:

- * multimedia processing and coding, including multimedia content analysis, content-based multimedia retrieval, audio/image/video processing, compression, etc.
- * multimedia system support and delivery, including networks, Internet, operating systems, servers, QoS, databases, etc.
- * multimedia tools, end-systems and applications, including hypermedia systems, user interfaces, authoring, multi-modal interaction and integration, multimedia education, etc.

Submissions covering other areas of multimedia computing and systems are also welcome. The top 3 to 5 papers in each track will be recommended for a special issue of ACM/Springer-Verlag Multimedia Systems Journal. We particularly encourage submissions from students, and the Best Student Paper will be awarded a laptop computer, one of the latest models from Hewlett-Packard. Papers should be no longer than 5000 words (approximately 10 pages of text without figures at 12-point font). All submissions should use a minimum of 10-point typeface. We will also produce an electronic version of the proceedings, and electronic components accompanying your submission are required.

All papers must be submitted electronically. Details of the submission procedure will be available on-line at the conference web sites

(<http://www.acm.org/sigmm/>
<<http://www.acm.org/sigmm/mm99>> MM99
or
<http://www.kom.e-technik.tu-darmstadt.de/acmmm99/>
<<http://www.kom.e-technik.tu-darmstadt.de/acmmm99/>>

ALL PAPER SUBMISSIONS MUST BE RECEIVED no later than March 15, 1999.

> From: George Bebis <bebis@cs.unr.edu>
> Subject: CFP: ICIS'99, Int. Conf. Information, Intelligence & Systems, Washington, DC

First Call for Papers

IEEE International Conference on Information, Intelligence and Systems
(Symposia)

November 1-3, 1999
Washington, DC

Sponsored by :
IEEE Computer Society

In Cooperation with :
AAAI Society; SMC Society; NN Society; IAPR Society; ACM Society
PAMI TC; Virtual Intelligence TC; TAI Conference; BU-CIS Center,
TUCrete and UCrete

Conference includes tours to NIST or NASA and NIH or TIGR

<http://icis99.cs.unr.edu/>

General Symposia Chair:
N.G.Bourbakis, BU, CIS & UC
Email:Bourbaki@Binghamton.edu
Phone:(607) 777-2165

[This conference consists of several symposia. I have only included
the relevant one here. For further details, see their web site. -Atul]

IEEE Symposium on IMAGE, SPEECH, NATURAL LANGUAGE SYSTEMS (ISNLS)

SOME TOPICS: Image (Coding, Compression, Encryption, Segmentation,
Enhancement, Restoration, Skeletonization, Analysis, Morphology, Databases,
Video, Pattern Recognition, OCR, Image Understanding & Interpretations,
Mathematical Methods); Speech (Coding, Compression, Processing, Analysis,
Synthesis, Recognition, Understanding); Natural Language (NL) Processing,
Computational Linguistics, Document Processing, NL Translation, NL
Understanding, Multimedia, etc.

Papers on the technical details of the commercial (e.g. , consumer
electronics) , scientific, and medical applications of the above are
encouraged.

Program Chairs: G. Bebis, U. Nevada, and S. Amer, USGS
Phone: (702) 784-6463 & (605) 594-6864
Email: bebis@cs.unr.edu & samer@edcmail.cr.usgs.gov

Submit summary to:
George Bebis
Dept of Computer Science
University of Nevada
Reno, NV 89557

Information for Authors:

Please send four copies of a paper or an extended summary (3-6 pages)
describing the methodology and/or results by May 15, 1999 to the appropriate
Program Chair's address above. Notification of acceptance (please provide
email address or fax number) by June 30, 1999. Camera ready articles by
August 15, 1999.

> From: Dietrich von Rosen <dietrich@math.uu.se>

> Subject: CFP: Statistical Methods for Image Processing, Helsinki

STATISTICAL METHODS FOR IMAGE PROCESSING

A satellite Conference of the 52nd ISI Session in Helsinki
Sponsored by IAPR

(ISI = International Statistical Institute)

Aim: To stimulate contacts between people working in image analysis and statisticians

When: August 6-9, 1999

Where: Uppsala, Sweden

Keynote speakers: Andrew Holmes, London

Anil Jain, Michigan

Kanti Mardia, Leeds

George Nagy, New York

Keith Worsley, Montreal

Conference proceeding: Special issue of Pattern Recognition Letters

Social programme: August 6, get together

August 7, walking tour through the old parts of Uppsala

August 8, conference dinner

August 9, a short guided tour in Stockholm is planned. For those joining 52nd ISI session in Helsinki we recommend the ferry boat from Stockholm to Helsinki through the beautiful archipelago of Stockholm. A common dinner is arranged on board.

Important dates, Registration, Accommodation: Please visit the conference homepage

* <http://www.math.uu.se/~tomb/stat-im.html> *

If anything is unclear we are happy if we can help. Please use e-mail.
We are grateful if this info can be spread among colleagues and friends.

Yours sincerely, Dietrich von Rosen (coordinator; dietrich@math.uu.se)

> From: eelwj@scut.edu.cn

> Subject: CFP: ISSPIS, Int. Symp. on Signal Proc. and Intell. System, Guangzhou, P.R. China

First Call for Papers

1999 International Symposium on Signal Processing and Intelligent System (ISSPIS)

Sponsored by: CAS of CIE and NSF of China

* Time: November 26-28, 1999)

* Location: Guangzhou, P.R. China

<http://scut.edu.cn/~isspis99/>

The 1999 International Symposium on Signal Processing and Intelligent System will be held in Guangzhou city, China, November 26-28 1999. The symposium will be the 5th in the series of annual conferences sponsored by the CAS of CIE in collaboration with IEEE CAS society. It will include regular sessions on all aspects as well as special sessions on specific advanced topics of SP and IS.

Papers presenting original work in all areas of SP and IS are invited. Topics for regular sessions include, but not limited, to the following:

Adaptive signal processing Speech and image processing
Filter theory Wavelet
Computer Vision Virtual Reality
Pattern analysis and recognition System identification
Hardware & software Robot
Evolutionary algorithms Genetic algorithms
Fractals, chaos and neurodynamics Cognitive science
Neural networks Fuzzy and neural system
Knowledge acquisition and representation

Prospective authors are invited to submit one camera ready and three copies of their manuscripts to the Technical Program Chair Prof. Gang Wei. Authors should also indicate one or more of above areas that best describe the topics of their papers and their preference on poster or lecture presentations in the paper cover sheet. Submission of a paper implies a commitment to present the paper, if accepted. Each paper should be of approximately four A4 pages in length. Format details are on the reverse of this page.

*** Important Date: ***

Deadline for submission of photo-ready manuscripts: June. 1, 1999.

Notification of acceptance: August. 1, 1999.

Proposals for special issue: August 1, 1999.

Paper Submission:

Professor Gang Wei, School of Electronics and information,
South China University of Technology, Guangzhou, 510641, PRC

Proposals for Special Sessions Submission:
Professor Shuisheng Qiu, School of Electronics and information,
South China University of Technology, Guangzhou, 510641, PRC

*** Registration and Conference Fee ***
before September 1 After September 1
Students US\$ 100 US\$ 120
Non-students US\$ 200 US\$ 240

*** Conference Committee ***
General Co-Chairs
Prof. Zhenming Chai (Academia Sinica, China)
Prof. Yinglin Yu (South China Univ. Of Technology)
Prof. Wanchi Siu (Polytech Univ. Of Hongkong)

General Secretary
Dr. Lianwen Jin (South China Univ. of Tech., China)
Conference Secretariat
Dr. Jifeng Sun (South China Univ. of Technology, China)
Email: ecjfsun@scut.edu.cn

Any additional information or inquiries can be directed to the ISSPIS'99
Conference Secretariat.

> From: qiangji@cs.unr.edu (Qiang Ji)
> Subject: CFP: Session on Statistical and Mathematical Theories for Computer Vision

Dear Colleague

We are writing to you to solicit your support for a technical session we are organizing on the application of mathematical and statistical theories to computer vision problems (see the attached file for details) in the 1999 International Conference on Imaging Science, Systems, and Technology to be held between June 28 - July 1, 1999 at Monte Carlo Resort, Las Vegas, Nevada, USA. A call for paper for the conference may be found at <http://www.cps.udayton.edu/~pan/cisst/cisst99>

We would like to cordially invite you to submit a paper of about 4 pages to this session. All accepted papers will be published in the conference proceedings. Certain selected papers will be considered for publication in appropriate journals after the conference. Please send your submissions to the following address before March 20, 1999.

Qiang Ji
Dept. of Computer Science
Mail Stop 171
Univ. of Nevada
Reno, NV 89557

Sincerely Yours,

Session co-organizers:
Qiang Ji
Assistant Professor
Dept. of Computer Science
UNR
qiangji@cs.unr.edu

Robert M. Haralick
Professor, Dept. of Electrical Engineering
University of Washington
haralick@ee.washington.edu

Statistical and Mathematical Theories for Computer Vision

An image understanding (IU) algorithm infers the state of the physical world from the inherently noisy and ambiguous images of the world. To operate accurately and robustly, an IU algorithm must be able to model, account for, and propagate uncertainties in a systematic and consistent manner while using the most complete prior information that is available. Even in the situation of conflicting information, an IU algorithm should infer a consistent and correct interpretation of a 3D scene. Moreover, the general ill-posed nature of interpreting the scene from image data further complicates the inference process.

These difficulties provide an ideal environment for the application of the established theories in statistics and mathematics. In recent years, we have witnessed a significant increase in the use of statistical and mathematical theories to pose and solve computer vision problems as optimization problems. The objectives of this session are :
1) to bring together researchers in computer vision, photogrammetry, statistics, mathematics, and optimization theory to showcase the latest developments in applying statistical, mathematical and optimization theories to a wide range of computer vision problems; 2) to promote the rigorous statistical and mathematical treatment of computer visions problems and to emphasize the role of mathematics, statistics, and optimization theory as a rigorous basis for computer vision; and 3) to promote

interaction and collaboration among researchers working in the fields of computer vision, statistics, mathematics and optimization theory.

The scientific programme of the session will include invited papers and contributed papers. Original papers are solicited on topics including, but are not limited to:

Bayesian statistics
Statistical evaluation and validation of computer vision algorithms
Imaging error modeling, analysis, and propagation
Statistical object recognition
Statistical feature extraction
Statistical approaches for camera calibration, pose estimation, motion estimation, feature matching, and 3D reconstruction.
Statistical image pattern recognition
Robust computer vision
Non-linear least squares
Optimization theory
Stochastic modeling and optimization
Statistical approaches for sensory fusion.

> From: Bill Triggs <William.Triggs@inrialpes.fr>
> Subject: CFP: ICCV'99 Vision Algorithms Workshop, Greek Island of Corfu

- ICCV'99 Workshop: Call for Papers -
Vision Algorithms: Theory and Practice

<http://www.inrialpes.fr/movi/people/Triggs/visalgs>

Recent years have seen impressive theoretical advances in vision geometry, for example mosaics, layers, shape and appearance based models, uncalibrated vision, multi-view relations and invariants. These were motivated by exciting potential applications like large-scale visual scene modelling, flexible tracking and motion analysis, image and video databases, and virtual studios, offices and schoolrooms. But in practical terms it is unclear which of the new techniques will prove most useful. We still lack reliable practical algorithms, even for well-studied basic tasks like scene reconstruction. `Details' like model choice and parametrization, initialization, numerical stability and efficiency, bias, outliers, degeneracies and failure detection can all have a critical effect on overall system automation, reliability, accuracy and efficiency. Generality/complexity/precision must be carefully balanced against simplicity/stability/speed.

The ICCV'99 Vision Algorithms Workshop aims to bring together researchers interested in designing well engineered algorithms for any of the basic tasks of geometric vision, including but not limited to:

- * Visual reconstruction, scene representation
- * Image synthesis, mosaics, layers
- * Flexible shape models
- * Image & video databases (geometric aspects)
- * Feature extraction & correspondence
- * Tracking, optical flow, motion analysis
- * Segmentation, scene analysis
- * Multi-camera geometry, pose, (auto)calibration

Papers should focus on the interplay between theoretical foundations and practical algorithms. In particular, we would like to take stock of the recent wave of work on geometric and statistical approaches to vision, and to ask what impact this has (or should have) had on practical algorithms for real-world vision problems. Concrete (quantitative, comparative...) results should be presented. Possible themes include:

- * Problem modelling and parametrization
- * Algorithm design, data structures
- * Numerical accuracy, stability, efficiency
- * Simplified/pragmatic vs. general/optimal models
- * Model selection/estimation, multiple models, mixtures
- * Robustification, bias reduction
- * Self-initialization, local minima
- * Failure detection/recovery, critical motions, degeneracies
- * Large or ill-conditioned problems
- * Image sampling, subpixel, super-resolution
- * Theoretical/empirical performance evaluation/comparison

The workshop is associated with the 7th IEEE International Conference on Computer Vision, ICCV'99. It will take place immediately before the main conference on Tuesday 21 and the morning of Wednesday 22 September 1999, in the main ballroom of the conference hotel -- the Corfu Holiday Palace on the beautiful Greek island of Kerkyra (Corfu).

The programme will contain a single track of around 25-30 oral presentations of original, high quality research papers, and will end with a short panel session and open discussion. The proceedings will be published in Springer Lecture Notes in Computer Science.

Timetable

Submissions: 7 June 1999
Notification of acceptance: 10 August 1999
Abstracts for pre-proceedings: 1 September 1999
Workshop: 21-22 September 1999
Papers for final proceedings: 1 November 1999

The submission deadline is Monday 7 June 1999 -- one week after ICCV acceptance decisions come out. Submissions can be anything from extended

abstracts of 3 or more pages to full papers in Springer LNCS or ICCV submission format (15 pages maximum, in single spaced 12 point font). All submissions will be anonymously reviewed by 3 reviewers. If an extended abstract is submitted, it should describe the scope and contents of the final paper very clearly. To speed up the review process, submissions should be made electronically if possible. Full instructions will be placed on the workshop web site later.

Pre-proceedings: At the workshop we will distribute a booklet containing revised extended abstracts of all accepted papers. The deadline for contributions to this is Wednesday 1 September 1999.

Final Proceedings: Final versions of full papers for the official proceedings should be submitted by Monday 1 November 1999. The proceedings will appear in Springer Lecture Notes in Computer Science in spring, 2000.

Organizers

Bill Triggs Bill.Triggs@inrialpes.fr
Richard Szeliski szeliski@microsoft.com
Andrew Zisserman az@robots.ox.ac.uk

[Program committee omitted for brevity. -Atul]

Sponsor

INRIA - The French National Institute for Computer Science and Control

> From: "Henry S. Baird" <baird@parc.xerox.com>
> Subject: CFP: Workshop on Perf. Evaluation Issues in Multilingual OCR, Bangalore, India

Dear Colleague,

Please consider joining us for an intensive one-day workshop on Multilingual OCR, to be held the day before ICDAR'99 in Bangalore, India, this Fall.

NOTE: the submission deadline is March 30.

All the best,

-- Henry Baird and Tapas Kanungo February 19, 1999

* * * SECOND CALL FOR PARTICIPATION * * *

International Workshop on
Performance Evaluation Issues in Multilingual OCR

Sunday, September 19, 1999 (just before ICDAR'99)
Bangalore, India

WORKSHOP CHAIRS

Tapas KANUNGO University of Maryland, College Park, MD USA
Henry S. BAIRD Xerox PARC, Palo Alto, CA USA

[Organizing committee omitted for brevity. -Atul]

TECHNICAL FOCUS

This workshop will explore evaluation methodologies for multilingual OCR systems. By 'multilingual' we mean to include systems that are capable of reading more than one language in the same document, as well as one-language-per-document systems that can be easily retargeted to new languages. We hope to bring together researchers from many countries to discuss these and related questions:

- What methodologies should be used to evaluate multilingual OCR systems? How do we compare accuracies across languages?
- What ground-truthed data sets are now available in various languages? What kind of datasets need to be collected? How is this to be achieved? Which organizations might be willing to support such an effort?
- What multilingual OCR evaluation tools and error visualization tools are available or should be developed?
- What OCR evaluation methods and metrics will be useful for OCR-based machine translation and cross-language information retrieval?
- What are the most pressing open research problems, promising dissertation topics, etc?

WORKSHOP FORMAT

This will be a one-day workshop for a maximum of 70 participants. Each participant will submit an extended abstract which will be distributed at the Workshop. All participants are expected to contribute to the discussions.

At the outset of the workshop, three volunteers will present brief, informal summaries of the i) methodologies, ii) corpora, and iii) tools mentioned in the submitted abstracts. Then we will split up into three working groups, focused on these topics, and proceed to discuss key issues, attempt to resolve questions, compile lists of resources, and draw up recommendations. Finally, in a plenary session, representatives of each group will present their recommendations and invite general discussion. There will be several opportunities for informal discussion and socializing.

After the workshop, the organizing committee will compile a Workshop Summary,

based on the working group notes, and make it available on the Web. It is hoped that the workshop will stimulate cooperative follow-on activities that will accelerate the pace of research in multilingual document image analysis.

EXTENDED ABSTRACT SUBMISSION

Each potential participant or group of participants should submit an extended abstract, electronically via E-mail (in plain ASCII), no later than March 30, 1999 to:

Tapas Kanungo
Center for Automation Research
University of Maryland
College Park, MD 20742
E-mail: mlocr@cfar.umd.edu

The abstract should include the name, address, telephone, fax, and email address of the author(s). It should ordinarily be limited to six printed pages including references (no figures, please). Longer submissions may be admitted in special cases, e.g. for catalogues of resources. Accepted abstracts will be distributed at the Workshop and posted on the Workshop website.

WORKSHOP WEBSITE

<http://www.cfar.umd.edu/~kanungo/workshop/mlocr.html>

For particulars about local arrangements and an estimate of the registration fee, please check the website in early March.

> From: Ales Leonardis <Ales.Leonardis@fri.uni-lj.si>
> Subject: CFP: Confluence of Computer Vision and Computer Graphics, Ljubljana, Slovenia

Call for Participation

NATO Advanced Research Workshop (ARW) on
Confluence of Computer Vision and Computer Graphics
Ljubljana, Slovenia, 29-31 August 1999, Ljubljana.

Sponsored by:
NATO Scientific & Environmental Affairs Division:
High Technology Priority Area

Co-directors:
Ruzena Bajcsy Ales Leonardis
University of Pennsylvania University of Ljubljana
USA Slovenia

MOTIVATION AND SCOPE OF THE NATO ARW

The motivation for this three-day workshop comes from the realization of the recent synergistic trends in Visual Sciences and Computer and Communication technologies.

This NATO ARW aims to bring together the scientists and technologists from the fields of Computer Vision, Computer Graphics, and Multimedia Communication, who work on the problems which require integration of knowledge and methods from the respective fields (e.g., building realistic models of objects and environments, augmented reality, interactive computer graphics, virtual studios, etc.), to critically review the current state of the art and to propose further steps for advancement and integration of these fields.

The results of the Advanced Research Workshop will be published in the form of a book in the NATO ASI Series.

APPLICATIONS FOR PARTICIPATION

Participation in the Advanced Research Workshop will be by invitation only. Participants should be from NATO, NATO Partner, and Mediterranean Dialogue countries.

Scientists and researchers working in the fields related to the ARW, who wish to participate at the workshop are invited to send an application consisting of

- a one page CV,
- a list of up to 5 selected references related to the topic of the ARW,
- a position statement (up to one page), and
- a 8-12 page draft of the proposed contribution.

The application should be sent to the following address:
Ales Leonardis, Faculty of Computer and Information Science
University of Ljubljana, Trzaska c. 25, SI-1001 Ljubljana Slovenia
and should reach us not later than APRIL 15, 1999.

The organizing committee will then make a selection based on the scientific qualifications and potential contributions, and in accordance with the NATO rules regarding a balanced distribution of participants between NATO and Partner countries.

Selected participants may be eligible for partial financial support of living expenses from the NATO grant if they are unable to find full support from other sources.

Please do not hesitate contacting us for more information (alesl@fri.uni-lj.si). The latest information is also available on the

web page: <http://razor.fer.uni-lj.si/~alesl/nato/nato.html>

> From: worrying@wins.uva.nl (Marcel Worrying)
> Subject: CFP: DLIA99, Document Layout Interpretation & Applications, Bangalore, India

CALL FOR PARTICIPATION

Document Layout Interpretation and its Applications (DLIA99)
September 18, 1999 (before ICDAR99)

Bangalore, India

www.wins.uva.nl/events/dlia99

WORKSHOP CHAIRS:

Thomas BREUEL, Xerox Palo Alto Research Center, USA
Marcel WORRING, University of Amsterdam, The Netherlands

[Organizing committee omitted for brevity. --Atul]

TECHNICAL FOCUS:

The workshop will explore document layout interpretation and its application in document conversion to structured formats (SGML, MS Word, etc.), genre recognition, document databases and retrieval, and automatic hypertext creation. The aim of the workshop is to bring together researchers in document layout analysis and groups developing systems that apply document layout interpretation. We want to identify limitations of current systems and state-of-the-art research, and explore the needs of users and applications.

We invite contributions from individuals or groups working in the following areas:

-- Layout analysis and page segmentation based either on general layout principles, document-specific grammars or models, or application specific constraints.

-- Methods and systems that take advantage of document layout information for conversion to structured formats, hypertext creation, document management, and document databases.

-- Acquisition of document models and parameter settings using techniques from statistics or machine learning.

-- Creation of resources available to the document layout interpretation community (databases for training and evaluation, representations/interchange formats, available software).

WORKSHOP FORMAT:

This will be a one-day workshop for a maximum of about 50 participants.

Each participant will submit an extended abstract. All participants are expected to contribute to the discussions.

Abstracts will be published before the workshop. At the beginning of the workshop, participants will present summaries of current work, needs, and open problems. Then, we will split up into several discussion groups. The afternoon session will consist of a summary of results from the morning session, followed by additional group discussions, and a plenary session at the end of the day.

After the workshop, the organizing committee will compile a Workshop Summary, based on the working group notes, and make it available on the Web.

It is hoped that the workshop will stimulate cooperative follow-on activities

that will accelerate the pace of research in document layout interpretation

and its applications.

EXTENDED ABSTRACT SUBMISSION:

Each potential participant or group of participants should submit an extended abstract which should arrive no later than March 15, 1999. Abstracts may be submitted in one of the following forms:

-- PDF or plain ASCII through the Web at
<http://www.wins.uva.nl/events/dlia99>

-- Plain ASCII, by sending E-mail to dlia99@wins.uva.nl

-- In paper form (least preferred), by sending mail to
DLIA 99

WINS-UVA
Kruislaan 403, 1098 SJ Amsterdam
The Netherlands

The length should be limited to four printed pages including references. The first page should include the name, address, telephone, fax, and email address of the corresponding author and possible co-authors.

> From: Adrian Hilton <a.hilton@surrey.ac.uk>
> Subject: CFP: ICCV'99 Workshop on Modelling People (mPeople), Corfu, Greece

1st CALL FOR PAPERS
International Conference of Computer Vision 1999
Workshop on MODELLING PEOPLE (mPeople)

<http://www.ee.surrey.ac.uk/Research/VSSP/mPeople>

Monday 20th September 1999
Corfu, Greece

Deadline for submission: 14th May 1999

The Modelling People Workshop (mPeople) will be held on the first day of ICCV'99 preceding the main conference events. Paper submissions are invited on all aspects of visual capture and modelling of a persons shape, appearance, movement, behaviour and interaction.

Modelling people is an area which has attracted considerable interest in both the computer vision and graphics communities. The aim of this workshop is to provide a focus for computer vision research into the modelling and understanding of people and their motion. The intention is to bring together leading vision and graphics researchers to assess the current state-of-the-art, identify known problems and generate ideas for future progress towards automatic vision based modelling and interpretation of people.

We invite manuscript submissions on the following topics:

- * Capturing whole-body shape and appearance
- * Photo-realistic 3D modelling of people
- * Accurate anthropometric modelling and measurement
- * Capture of whole-body kinematic structure
- * Human motion capture
- * Human motion synthesis and retargeting of motion capture
- * Behaviour interpretation
- * Interactive visual interfaces
- * Virtual humans and avatars
- * Humanoid Animation
- * Physics-based modelling of skin and clothing
- * Applications of human modelling

Twelve papers will be selected by peer review for presentation at the workshop.

Organising Committee

Workshop Co-Chairs

Adrian Hilton University of Surrey, UK (a.hilton@surrey.ac.uk)
Pascal Fua EPFL, Switzerland

[Program committee omitted for brevity. -Atul]

Paper Submission

Submission of papers: 14th May 1999
Notification of acceptance: 1st July 1999
Submission of camera ready paper: 16th July 1999
Workshop: 20th September 1999

Papers are solicited of original research on any aspect of modelling people including but not limited to the topics suggested above. Submission should be 8 pages in 2-column format (style files available from web site). Submitted papers will be reviewed by three reviewers. It is anticipated that 12 papers will be selected for presentation. Accepted papers will be published as a book proceedings. Selected papers will be published in extended form in a special journal issue.

> From: Andrea Fusiello <fusiello@dimi.uniud.it>
> Subject: CFP: Young Scientists Forum at ICIAP'99

I am glad to inform you that the deadline for paper submission to the Young Scientists Forum, hosted by The International Conference on Image Analysis and Processing (ICIAP'99), has been extended to 30/3/99. For more information, please visit the YSF home page at <http://www.dimi.uniud.it/~iciap99/ysf.html>

Best regards.

Andrea Fusiello

Andrea Fusiello
Dip. di Matematica e Informatica e-mail:fusiello@dimi.uniud.it
Universita' di Udine phone: +39 0432 558455
Via delle Scienze 206 fax: +39 0432 558499
I-33100 Udine, Italy <http://www.dimi.uniud.it/~fusiello/>

> From: Dmitry Chetverikov <mitya@visual.ipan.sztaki.hu>
> Subject: CFP: FSPIPA99, Fundamental Structural Properties in Image & Pattern Analysis, Budapest

LAST CALL FOR PAPERS

FUNDAMENTAL STRUCTURAL PROPERTIES IN IMAGE AND PATTERN ANALYSIS
FSPIPA'99

International workshop

organised by Computer and Automation Research Institute,

Hungarian Academy of Sciences (MTA SZTAKI)

Budapest, Hungary, 6-8 September, 1999

Homepage: <http://visual.ipan.sztaki.hu/FSPIPA99>

FSPIPA'99 addresses major problems and results related to the role of symmetry, self-similarity, anisotropy, regularity and structural complexity in computer vision and human perception. The workshop is planned as a highly professional, friendly and low-cost event with participation limited to maximum 50 persons.

FSPIPA'99 is held in conjunction with the 8th International Conference on Computer Analysis of Images and Patterns (CAIP'99), Ljubljana, Slovenia. (<http://razor.fer.uni-lj.si/CAIP99/>).

Deadlines:

Submission of draft paper: 15 March, 1999

Preliminary registration: 15 March, 1999

Workshop co-organisers:

Dmitry Chetverikov

MTA SZTAKI Budapest, Kende u. 13-17, 1111 Hungary.

Tel: (+36-1) 209-6510, Fax: (+36-1) 466-7503

E-mail: csetverikov@sztaki.hu

Tamas Sziranyi

MTA SZTAKI Budapest, Lagymanyosi u. 11, 1111 Hungary.

Tel: (+36-1) 209-5265, Fax: (+36-1) 466-7503

E-mail: sziranyi@lutra.sztaki.hu

FSPIPA'99 is jointly organised by Analogical and Neural Computing Systems Laboratory of MTA SZTAKI and Image and Pattern Analysis Group of MTA SZTAKI.

FSPIPA'99 is supported by International Association for Pattern Recognition, Hungarian Academy of Sciences, Hungarian Association for Image Analysis and Pattern Recognition, and European Research Consortium for Informatics and Mathematics (approval pending)

Submission

Authors wishing to present a paper at the workshop should mail four copies of their draft paper to one of the co-organisers. The length of a contribution should be 4 to 6 pages. The first page should contain title, author's name, affiliation and address, telephone, fax and e-mail, abstract of max. 100 words, and up to three keywords.

Electronic submission of a compressed PostScript or PDF paper is also allowed. See the workshop homepage for instructions or just send the file by email, as attachment, to one of the co-organisers.

Preliminary Registration

The prospective participants are encouraged to electronically submit a completed preliminary registration form. See the workshop homepage for instructions.

Venue

The workshop will be held at the Computer and Automation Research Institute (MTA SZTAKI) in Budapest, the capital of Hungary. MTA SZTAKI is a leading research institute of the Hungarian Academy of Sciences, situated close to the historical centre of the Pearl of the Danube. Accommodation in nearby hotels will be offered at reasonable price.

Invited Talks

Tony Lindeberg:

Automatic Scale Selection for Interpreting the Visual World

Hagit Zabrodsky Hel-Or:

Quantitative Analysis of Continuous Symmetry in Shapes and Objects

Dietmar Saupe:

>From Statistical Self-Similarity in Natural Images to Fractal Image Encoding
(to be confirmed)

> From: Heng-Da Cheng <cheng@hengda.cs.usu.edu>

> Subject: CFP: CVPRIP2000, Atlantic City

CALL FOR PAPER (CVPRIP2000)

International Conference on Computer Vision, Pattern
Recognition & Image Processing

In conjunction with

Fifth Joint Conference On Information Sciences (JCIS2000)

CVPRIP2000 is dedicated to the advances in algorithms, architectures and
applications of CVPRIP.

Submission: Authors are invited to submit summaries of the original
contribution to the algorithms, architectures and
applications to CVPRIP.

Deadline: Sept. 1, 1999 for paper summaries.

Please visit (<http://www.cs.usu.edu/Conferences/CVPRIP2000>) for details.

> From: RMelter@aol.com
> Subject: CFP: Special Issue, J. Pattern Recognition: Shape for Image Databases

"Shape Representation and Similarity for Image Databases",

Call for Papers:
Special Issue of Pattern Recognition on

"Shape Representation and Similarity for Image Databases"

The recent increased use of image and multimedia databases has motivated
research in developing and applying shape similarity measures. In a
sense this continues the long history of work in both shape
representation and similarity. However, since in image databases the
object classes are generally unknown a priori, a global, non-parametric
shape representation is often necessary. By this we mean approaches in
which the entire object shape is described uniformly in accord with our
visual perception. Such a representation should permit the
differentiation of perceptually similar objects that are not
mathematically identical. This involves the use of shape representation
based on visual parts, multiscale contour approximations, Hausdorff
distances, skeleton based representations, curvature scale spaces,
reaction-diffusion spaces, and deformable shapes.

Methods based on vectors of shape parameters like area, perimeter,
elongation (major axis / minor axis), etc. are excluded. Vectors of
shape parameters may be very useful for shape classification, but not as
a basis for shape similarity measures, since in order to recognize
common shapes, hundreds of parameters must be represented explicitly,
and most of these parameters are probably unknown. Such a
representation also excludes parametric methods that describe certain
object classes, e.g., B-spline surface patches of car prototypes, since
they require explicit assumptions about the category of objects to be
represented.

We seek papers on global, non-parametric shape representations and shape
similarity measures that are useful tools for retrieval of similar
objects in image data bases and for other tasks related to image
indexing, e.g., finding repeated patterns and symmetry groups. Papers
on comparison and analysis of different approaches with respect to shape
related tasks in image databases are also welcome. For example, what
representations are most functional for a system that needs to reason
about shape, find similar shapes fast under a given set of allowable
transformations, or determine whether a given shape satisfies a set of
user-related queries.

Please submit five copies of a manuscript to one of the guest editors.
The deadline for submission is June 30, 1999.

Guest Editors:

Ari Gross, Department of Computer Science
Queens College, Flushing, NY 11367, USA
Email: ari@vision.cs.qc.edu

Longin Jan Latecki, Department of Applied Mathematics
University of Hamburg, Bundesstr. 55, 20146 Hamburg, Germany
Email: latecki@math.uni-hamburg.de

Robert Melter, Department of Mathematics
Long Island University, Southampton, NY 11968, USA
Email: RMelter@aol.com

> From: ICASSP-99 Conference Account <icassp99@enpc2035.eas.asu.edu>
> Subject: Call for Participation: ICASSP-99, Arizona, USA

*** FINAL ANNOUNCEMENT ***

1999 IEEE International Conference on Acoustics, Speech,
and Signal Processing (ICASSP)

March 15-19, 1999, Civic Plaza - Phoenix, Arizona, USA

FINAL TECHNICAL PROGRAM on <http://icassp99.asu.edu>

Dear colleagues and friends:

A PDF file for the ICASSP-99 FINAL PROGRAM can be downloaded from our web site (<http://icassp99.asu.edu>). Instructions for getting from the Phoenix airport to the conference site are also available on our web page.

We hope to see you here in Phoenix next week for an exciting ICASSP technical and social program. Our weather has been fantastic the past few days, and we expect it to be great for the conference next week.

Our sincere apologies for duplicates of this message. This will be the last email announcement regarding ICASSP-99.

Sincerely yours,

Andreas Spanias and Douglas Cochran
Conference Co-Chairs

> From: Chris McGlone <Chris_McGlone@maps.cs.cmu.edu>
> Subject: Call for Participation: 3D Geospatial Data Production, Paris, France

Working Group II/6 of the International Society for Photogrammetry and Remote Sensing (ISPRS) invites you to participate in a workshop on "3D Geospatial Data Production: Meeting Application Requirements," on April 7-9, 1999. The meeting is organized in cooperation with the Societe Francaise de Photogrammetrie et de Teledetection (SFPT) and the Institut Geographique National (IGN), and will be hosted by the Institut Geographique National in Paris, France. The workshop is organized around 16 selected papers in the areas of cartographic feature extraction (buildings and roads), generation of 3D urban models from non-traditional sources (maps and terrestrial imagery), and commercial systems for automated mapping. Each session will have papers dealing with evaluation methods and metrics for various aspects of automated cartographic data production. In keeping with the workshop atmosphere, three panel sessions are planned in the areas of Research Evaluation, Government Evaluation Requirements, and Research Community Metrics. Nearly an entire day over the three day program is devoted to panels and informal discussions. We believe that this will make the workshop very useful to decision makers as well as research community members. Finally, a tour of the IGN BD-TOPO production facility is planned, as well as a reception at IGN the first evening. Proceedings containing presented papers will be published in the Bulletin of the Societe Francaise de Photogrammetrie et de Teledetection. However, no formal paper or presentations are required for your participation, just a willingness to contribute to the discussions. The workshop program, registration information, hotel information and further details can be obtained from the workshop web page, http://www.ign.fr/sfpt/manifestations/paris_99_us.html, or from the Working Group web page at <http://www.cs.cmu.edu/~MAPSLAB/isprs.html>.

We would very much like to have you join us in Paris for this very topical and timely meeting.

Sincerely,
Ghislaine Bordes, IGN, Workshop Secretary
Olivier Jamet, IGN, Working Group II/6 Co-chair
David M. McKeown, Carnegie Mellon, Working Group II/6 Co-chair
J. Chris McGlone, Carnegie Mellon, Working Group II/6 Secretary

Program committee:
Ghislaine Bordes - IGN, - France Patrice Bueso - IGN - France
Grard Giraudon - INRIA - France Michel Kasser - SFPT - France
Herv Le Men - IGN - France George Lukes - DARPA - U.S.A.
Henri Matre - ENST - France Chris McGlone - CMU - U.S.A.
Guy Rckebush - SYSECA - France Seth Teller - MIT - U.S.A.

> From: SCIA-1999 hw <scia99@imm.dtu.dk>
> Subject: Call for Participation: SCIA'99, Scandinavian Conf. on Image Processing, Greenland

Dear colleague,

<http://www.diku.dk/scia99>

is now updated with the final list of accepted papers, travel information and registration/booking forms for:

SCIA'99: The 11th Scandinavian Conference on Image Analysis in Kangerlussuaq, Greenland on 7-11 June, 1999.

There is also information on a pre-conference workshop/tutorial and several suggestions for pre- and post-conference tours.

It is wise to book early...

Yours sincerely,

Bjarne Ersboell (chair), SCIA'99

Ps: If you do not have access to the WEB-page then send an e-mail back to me and we will send travel information

and registration forms to you by ordinary mail.

> From: Robert Laurini <laurini@lisisun1.insa-lyon.fr>
> Subject: Call for Participation: Venice 21st Urban Data Mngmt Symposium

The 21st Urban Data Management Symposium will be held in Venice, Italy.

21st - 23rd of April, 1999

For details regarding the program and registration, please have a look to

<http://www.geo.tudelft.nl/UDMS/program/>

For all matters regarding UDM Society, please refer to

<http://www.udms.net>

> From: Carlo Colombo (tel 460) <columbus@bsing.ing.unibs.it>
> Subject: Call for Participation: ICMCS'99, IEEE Multimedia Computing and Systems

***** IEEE ICMCS'99: INVITATION TO ATTEND *****

Dear colleague,

this is to invite you to attend the 1999 edition of the IEEE International Conference on Multimedia Computing and Systems (ICMCS'99), to be held in Florence, Italy, on 7-11 June 1999. We believe it very important for the success of the Conference that a distinguished researcher in Multimedia like you be present at ICMCS'99: this is in fact one of the most important forums where to discuss experiences, trends and opportunities for Multimedia. You can find detailed information about Conference program and registration at the page <http://www.dsi.unifi.it/~icmcs99/>.

This year, ICMCS presents a scientific program of great interest and quality, including:

- * Six special sessions (for invitation only) focussing on key Multimedia subjects - including presentations and discussions on the current state-of-the-art and future trends - with talks given by respectful scientists in the fields;
- * 41 oral sessions (with 145 contributions) and six poster sessions (with 170 contributions) for a total of 315 contributions from some of the most distinguished labs in the world;
- * 19 tutorials - given by renowned researchers - addressing the hottest topics of Multimedia technology;
- * Over 30 live exhibitions and demos of working Multimedia research prototypes and commercial products;
- * A special day devoted to European Community projects in the area of Multimedia computing and systems;
- * A plenary lecture on "Digital Technologies and the Movies", given by Dr. C. Rouet, Lucas Digital, CA.

The social program will offer a welcome dinner and a gala dinner in two of the most beautiful sites of wonderful Florence.

I remind you that the deadline for advance registration at ICMCS'99 is 12 MARCH 1999: do not miss this opportunity!

Looking forward to seeing you in Florence,

cari saluti,

Alberto Del Bimbo
IEEE ICMCS'99 General Chair

> From: pattern recognition <patrec@di.uoa.gr>
> Subject: Book announcement: Pattern Recognition

NEW TEXTBOOK ON PATTERN RECOGNITION

Title: PATTERN RECOGNITION

Authors: SERGIOS THEODORIDIS
KONSTANTINOS KOUTROUBAS

Publisher: ACADEMIC PRESS

Pattern recognition is becoming increasingly important in the age of automation and information handling and retrieval. This book provides the most comprehensive treatment available of pattern recognition, from the engineering perspective. Developed through more than ten years of teaching experience. PATTERN RECOGNITION is appropriate for both advanced engineering students and practicing engineers.

Coverage Includes:

- * Feature generation, including features based on Wavelet

Transforms and Fractals

* Feature selection techniques

* Design of linear and non-linear classifiers, including Bayesian, Multilayer Perceptrons, and RBF networks

* Context-dependent classification, including Dynamic Programming and Hidden Markov Modeling techniques

* Classical approaches, as well as more recent developments in clustering algorithms, such as fuzzy, possibilistic, morphological, genetic, and annealing techniques

* Coverage of numerous, diverse applications, including Image Analysis, Character Recognition, Medical Diagnosis, Speech Recognition and Channel Equalization

* Numerous computer simulation examples, supporting the methods given in the book, available via the Web

For more information you can visit the following Web page:

<http://www.di.uoa.gr/~stpatrec>

Hope you are working on your submissions to GREC'99.

Best wishes.

Your TC10 chairman,

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