Newsletter 58, January 1999

TC10 News #58

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Announcement: Free electronic proceedings: content-based retrieval workshop

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Dear TC10 members and friends,

Welcome to issue# 58 of TC10 News. Wish you all a happy new year.

I begin with some administrative announcements. I follow this with
CFP's for conferences on document analysis, GIS, spatial databases,
etc. Then, there are a bunch of CFP's for workshops being held in
conjunctions with CVPR'99 at Fort Collins, Colorado. Finally, there
are some calls for special issues of journals; three of these journal
CFP's are very relevant to the TC10 community.

--Atul

> From: Atul Chhabra <atul@basit.com>
> Subject: TC10 & GREC Administrative Announcements

TC10 MEMBERSHIP

First, I would strongly urge you to visit the overhauled TC10 site
http://www.iapr-tc10.or.kr/
and follow the "Membership" link. Please take a minute to fill in your
membership information. I need this information to compile the member
list for IAPR. This information also comes in handy to mail paper
copies of CFP's for TC10 related workshops. To those of you who
already entered their membership information, thanks a lot. Those who
haven't registered yet, PLEASE TREAT THIS AS A HIGH PRIORITY
TASK. Thanks.

GREC'99 UPDATE

The submission deadline for the 3rd International Workshop on Graphics
Recognition (TC10's primary workshop) is March 1. Please see the call
for papers at
http://www.iapr-tc10.or.kr/GREC99/
Electronic submissions are encouraged. I will soon add information on
electronic submissions on web site.

> From: "Eugenia H. Smith" <ehsmith@cedar.buffalo.edu>
> Subject: ICDAR'99 deadline extension

We are extending the deadline for paper submissions for ICDAR '99.
The papers must be RECEIVED by January 29th, and any papers received
after that date will be returned, unopened, to the author.

> From: Simone Marinai <simone@mcculloch.ing.unifi.it>
> Subject: CFP: DAUDD'99, Doc. Anal. & Understanding for Doc. Databases, Florence, Italy

FIRST CALL FOR PAPERS

First International Workshop on
``DOCUMENT ANALYSIS AND UNDERSTANDING FOR DOCUMENT DATABASES''
DAUDD '99
http://mcculloch.ing.unifi.it/DAUDD99

in conjunction with
10-th International Conference on Database and Expert System Applications
DEXA' 99
Florence, Italy, August 30 - September 3, 1999

Workshop proceeding will be published by IEEE Press

THEME

The aim of the workshop is to bring together researchers and practitioners
from the field of document image analysis and understanding and from the
field of document databases.

The decreasing cost of acquisition and storage devices makes achievable
the storage of huge amounts of paper documents into an electronic form.
On the other hand, in the last few years there was a new deal in techniques
for document image analysis and understanding.
There are now proposed solutions to the problem of extracting information
from paper documents and storage of them in a way useful for the retrieval
of interesting documents.

Contributions to this workshop are expected from both academic and industrial
researchers, describing complete systems or new algorithms and techniques.

TOPICS

We invite papers that are related (but not limited) to the following areas
of interest.

- Layout analysis & representation
- Form & invoice processing
- Document modeling
- Document classification
- Document storage and retrieval
- Document indexing
- Retrieval by content
- Document query languages

PAPER SUBMISSION

Submitted papers will be evaluated based on originality, significance,
technical soundness and clarity of exposition. All papers will be
referred by at least two members of the program committee. All
accepted papers will be published by IEEE Computer Society Press in a
volume of the DEXA '99 workshops. Papers should be up to 5000 words
in length and can be submitted either by sending PostScript files or
by sending hard copy papers.

Electronic submission of paper is possible and encouraged. For
submitting a paper in this way, the authors can put one or more files
in our ftp site. Only PostScript files can be submitted, these files
can be compressed with PK-Zip (WinZip, etc.), Z (Unix compress) or GZ
(GnuZip).

FTP site: iris.dsi.unifi.it
Login as: anonymous
put files in: incoming/DAUDD99

Once put the file in the FTP site, the authors are requested to send
an EMAIL to

simone@mcculloch.ing.unifi.it

containing the following information:
Name of corresponding author, phone, fax, e-mail address, the title of
the paper and the filenames used.

In case of impossibility to make an electronic submission four (4)
copies of the paper can be sent to the following address:

Simone Marinai
Dipartimento di Sistemi e Informatica
Universita' di Firenze
Via di S. Marta, 3
50139 Firenze, Italy

IMPORTANT DATES

Paper submission deadline: March 1, 1999

Notification of acceptance: April 25, 1999

Camera-Ready copy: May 25, 1999

WORKSHOP CHAIR
* S. Marinai (Italy)

WORKSHOP CO-CHAIRS
* A. Belaid (France)
* A.M. Colla (Italy)

PROGRAM COMMITTEE
* A. Amin (Australia)
* B.K. Bhargava (USA)
* H. Bunke (Switzerland)
* L. Cordella (Italy)
* M. Cote (Canada)
* D. Doermann (USA)
* F. Esposito (Italy)
* H. Essafi (France)
* M. Gori (Italy)
* L. O' Gorman (USA)
* E. Ottaviani (Italy)
* R. Kasturi (USA)
* G. Soda (Italy)
* C.Y. Suen (Canada)

INFORMATION

For further information please contact the workshop organizer:

Simone Marinai
Dipartimento di Sistemi e Informatica
Universita' di Firenze
Via di S. Marta, 3
50139 Firenze, Italy
Phone: (39) 055 4796 361
Fax: (39) 055 4796 363
E-mail: simone@mcculloch.ing.unifi.it

or consult the Web page of the workshop:

http://mcculloch.ing.unifi.it/DAUDD99.html

> From: Robert Laurini <laurini@lisisun1.insa-lyon.fr>
> Subject: CFP: TeleGeo'99, 1st Int. Wkshp on Telegeoprocessin, Lyon, France

CALL FOR PAPERS

TeleGeo'99 : FIRST INTERNATIONAL WORKSHOP ON TELEGEOPROCESSING

Lyon, France - May 6-7, 1999

Scope of the conference: This conference aims at bringing together all
people carrying out research in novel systems in telegeoprocessing,
cross-fertilization between Geographic Information Systems (GIS) and
Telecommunications. Telegeoprocessing can be defined as a new discipline
based on real time spatial databases updated regularly by means of t
elecommunications systems in order to support online decision-making.
Overall attention will be given to systems based on Global Positioning
Systems (GPS) and all other technologies for sending data from sensors
to GIS systems by means of wireless communications. Among others, we are
especially looking for papers dealing with:

- Real time GIS, especially based on GPS
- Real time spatial data structures
- Real time GIS indexing
- Embarked GIS
- Online Spatial Decision Support System
- CASE tools for telegeoprocessing
- Visual languages and user interfaces
- Active hypermaps
- Sensors and radio-communications
- Multi-source fusion especially for updating
- Parallel and distributed GIS
- Interoperability in telegeoprocessing
- Geographic data interchange standards
- GIS and internet working
- Visualization and huge synoptics design
- Animated cartography
- Real time graphics semiology
- Groupware and GIS (CSCW)
- Client-server architecture for GIS
- GIS and Java
- Distributed spatial objects
- Spatial knowledge engineering
- Systems for spatial reasoning
- Byzantine situations

Among novel applications, overall attention will be paid to domains such as:

- Urban planning
- Environmental planning
- Risk prevention
- Traffic management
- Geological information systems
- Fleet management

This conference will be organized under the aegis of

- University of Southwestern Louisiana, USA
- National Institute for Applied Sciences (INSA), Lyon, France
- Claude Bernard University of Lyon, France
- University of Versailles-Saint Quentin, France

- Hassan II University of Mohammedia, Morocco
- GeoInformatica, International Journal on Advances of Computer Science for GIS

Program Committee Chair: Robert Laurini, Claude Bernard University of Lyon, France

Program Committee Members

Patrick Bergougnoux, Paul Sabatier University, Toulouse, France
Azedine Boulmakoul, Hassan II University, Mohammedia, Morocco
Patrice Boursier, University of La Rochelle, France
Bruno Defude, INT, France
Claude Gu?at, INSA, Lyon, France
Werner Kuhn, University of M?ster, Germany
Corinne Ledoux, CTS/ToS, Sweden
Ki-Joune Li, Pusan National University, South Korea
Kia Makki, University of Southern Louisiana, USA
Claudia Bauzer Medeiros, University of Campinas, Brazil
Richard Muntz, University of California, Los Angeles, USA
Niki Pissinou, University of Southern Louisiana, USA
Sylvie Servigne, INSA, Lyon, France
Tullio Tanzi, Ecole des Mines de Paris, Sophia-Antipolis, France
Ouri Wolfson, University of Illinois, USA
Michael Worboys, Keele University, UK
Karine Zeitouni, UVSQ, France

Submission: Please, send full papers, limited to 12 pages, together with
authors' names and addresses to the Program Committee Chairman by
February 1, 1999 only by electronic submission to Professor
Robert LAURINI, E-mail: Robert.Laurini@if.insa-lyon.fr. Best papers will be
considered for publication in the international journal GeoInformatica.

IMPORTANT DATES

Paper submission deadline: February 1, 1999
Notification of acceptance: March 1, 1999
Camera ready paper due: April 1, 1999
TeleGeo'99 date: May 6-7, 1999

> From: worring@wins.uva.nl (Marcel Worring)
> Subject: CFP: DLIA99, Document Layout Interpretation and its Apps., 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:

Apostolos ANTONACOPOULOS, University of Liverpool, U.K.
Larry BAUM, The Boeing Company, USA
Abdel BELAID, CRIN/CNRS, France
Horst BUNKE, University of Bern, Switzerland
Andreas DENGEL, DFKI, Germany
David DOERMANN, University of Maryland, USA
Hiromichi FUJISAWA, Hitachi CRL, Japan
Patrick HAFFNER, AT&T labs, USA
Bob HARALICK, University of Washington, USA
Jianying HU, Bell Labs, Lucent Techs, USA
Jonathan HULL, Ricoh California Research Center, USA
Rolf INGOLD, University of Fribourg, Switzerland
Yasuto ISHITANI, Toshiba Corporation, Japan
Koichi KISE, Osaka Prefecture University, Japan
Yasuaki NAKANO, Shinshu University, Japan
Lawrence O'GORMAN, Veridicom, Inc. USA
Theo PAVLIDIS, SUNY Stony Brook, USA
Thomas PHELPS, UC Berkeley, USA
Larry SPITZ, Document Recognition Technologies, USA
Luc Vincent, Xerox ScanSoft, USA

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: Peggy Agouris <peggy@spatial.maine.edu>
> Subject: CFP: ISD'99, Int. Workshop on Integrated Spatial Databases, Portland, ME, USA

Announcement and Call for Papers

International Workshop on
Integrated Spatial Databases: Digital Images and GIS (ISD'99)

June 14 - 15, 1999

Portland, Maine, USA

This intensive workshop is sponsored by the Information and Data
Management Program of the Directorate for Computer and Information
Sciences of the National Science Foundation (NSF). Its scope is to
bring together specialists from a variety of overlapping but not
always interacting scientific communities.

Original, quality contributions are solicited on issues related (but
not limited) to the following list of topics:
* Spatial and Spatio-Temporal Databases
* Database-Driven Information Extraction from Digital Imagery
* Queries and Content-Based Information Retrieval Methods
* Automated Extraction of GIS Objects from Digital Imagery
* Change Detection and Representation
* Uncertainty Estimation and Modelling in GIS
* Spatio-Temporal Reasoning
* Scale in GIS and Digital Image Processing
* Very Large Spatial and Image Databases
* Multimedia in Integrated GIS
* Digital Libraries
* Multiple Representations

This is a fully refereed workshop. The proceedings will be published by
Springer Verlag as a "Lecture Notes in Computer Science" volume. To
ensure the constructive interaction between participants and the high
quality level of the workshop, the number of participants will be
limited. For more details on submission procedures, the
conference venue, and registration information, please refer to the

workshop web page at
http://www.spatial.maine.edu/~peggy/nsfWS.html.

Workshop Chair: Peggy Agouris, University of Maine

Program Committee Chair: Anthony Stefanidis, University of
Maine

Program Committee:

[Omitted for brevity. -Atul]

Important Dates
Presentation Proposals (3-Page Extended Abstracts) Due: Feb. 1, 1999
Acceptance Notification: Feb. 22, 1999
Full Papers Due: May 21, 1999
Workshop Dates: June 14 - 15, 1999
Full Paper Acceptance Notification: June 25, 1999
Submission of Revised, Camera-Ready Papers Due: July 23, 1999

Contact Information
For further details or more up-to-date information please visit the
workshop WWW page at http://www.spatial.maine.edu/~peggy/nsfWS.html or
contact the organizers at:

ISD Workshop '99 Secretariat, Dept. of Spatial Information Engineering
University of Maine, 348 Boardman Hall, Orono, ME 04469-5711, USA
Phone: +(207) 581 2180 or +(207) 581 2127, Fax: +(207) 581 2206
E-Mail: nsfWS99@spatial.maine.edu

> From: Bernard Merialdo <merialdo@eurecom.fr>
> Subject: CFP: CBMI'99, Content-Based Multimedia Indexing, Tolouse, France

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: Brian Lovell lovell@elec.uq.edu.au
> Subject: CFP: DICTA'99, Conf. on Digital Image Computing, Techniques & Apps., Perth

FIFTH INTERNATIONAL/NATIONAL CONFERENCE ON
DIGITAL IMAGE COMPUTING, TECHNIQUES, AND APPLICATIONS
(DICTA'99)

December 6-8, 1999, Perth, Australia

Venue: Murdoch University

Sponsored by: The Australian Pattern Recognition Society,
Murdoch University and Curtin University.

Conference Home Page: http://www.dicta99.computing.edu.au/

DICTA '99 is the fifth biennial national conference of the Australian
Pattern Recognition Society. This event provides a forum for
researchers to exchange up-to-date technical knowledge and experience
in machine and computer vision, digital image processing/analysis,
pattern recognition and other aspects concerning images and image
sequences. The conference focuses on theory as well as applications,

by bringing together participants from universities, industry and
government. In addition to technical sessions, there will be talks
by speakers. Papers on all aspects of machine vision and digital
image computing are welcome. Areas of interest include, but are not
limited to:

* Active and Real-Time Vision
* Stereo and Motion Analysis
* 2D & 3D Scene Analysis
* Image Analysis for Multimedia
* Learning and Matching in Machine Vision
* Agent-based Vision Applications
* Pattern Recognition and Classification
* Low-Level Processing and Segmentation
* Feature Extraction
* Texture Analysis
* Character and Text Recognition
* Document Processing
* Remote Sensing and Geographic Information Systems
* Automated Industrial Inspection
* Applications in Machine Vision

Both research and applications papers are solicited. All submitted papers
will be reviewed on the basis of technical quality, relevance to DICTA,
originality, significance, and clarity.

Important Dates

Paper submission deadline: May 15, 1999
Notification of acceptance: August, 1999
Camera-ready copy: September, 1999

Submission of Papers

Authors are requested to submit a full paper of no more than five (5)
pages including text, figures and references describing original results
of their research work. Each copy of the paper should have a cover page
containing the title of the paper, names and addresses of the authors, and
an abstract of no more than 200 words. Four (4) hard copies of each paper
should be sent to:

C/- Secretariat DICTA'99
School of Information Technology,
Murdoch University,
Murdoch, 6150.
Western Australia
E-mail: submit@computing.edu.au

Co-Chairs:

Svetha Venkatesh (Curtin University)
Geoff West (Curtin University)

Programme Co-Chairs:

Adrian Pearce (Curtin University)
Mike Robey (Curtin University)

Organising Co-Chairs:

Peter Cole (Murdoch University)
Peng Lam (Murdoch University)

Further Information:

info@dicta99.computing.edu.au
http://www.dicta99.computing.edu.au/

> From: Jonathon Phillips <jonathon@nist.gov>
> Subject: CFP: 2nd IEEE Workshop on Emprical Evaluation in Comp. Vision, Ft. Collins, CO

ANNOUNCEMENT AND CALL FOR PARTICIPATION

IEEE Computer Society Second Workshop on
Empirical Evaluation Methods in Computer Vision

Monday-Tuesday June 21-22 (pre-CVPR '99) --- Ft. Collins, Colorado

http://www.nist.gov/itl/div894/vip/2eecv/2nd_eval_methods.html

MOTIVATION

In order for computer vision to mature from both scientific and
industrial points of view, we must have objective methods for
evaluating algorithms. Towards this end, we are organizing the the
Second Workshop of Empirical Evaluation of Methods in Computer Vision.
As with the first workshop, one of the goals of the workshop is to
bring together researchers in the computer vision community to present
papers and discuss methods for empirical evaluation of vision
algorithms. We hope to foster interaction and discussion on this
subject, and to learn from related fields that have successfully used
empirical evaluation methods.

PROGRAM

The workshop program will include invited speakers and presentations
of contributed papers. The emphasis for the invited speakers will be
on methods for statistically analyzing performance results; i.e., when
is the difference in performance between two algorithms statistically
significant.

Contributed papers will be reviewed based on content relevant to the
theme of the workshop, with an emphasis on sound empirical methods and
results. Relevant topics include, but are not limited to:

methods / tools / databases for performance evaluation,
empirical comparison of different algorithms for vision problems,
evaluation of medical imaging algorithms in clinical settings,
evaluation of algorithms for industrial applications,
and statistical analysis of algorithm performance results.

PAPER SUBMISSION

Three copies of submitted papers should be received no later than 1
February 1999 at the following address:

Jonathon Phillips
NIST
Bldg 225 / Rm A216
Gaitherburg, MD 20899

Each submission should have a cover page which includes the address,
phone number, fax number, and e-mail address of the corresponding
author. Papers are limited to 25 double-spaced pages (12 pt, 1 inch
margins), including figures, references, etc. Accepted papers will be
published as part of an edited book or in a proceedings volume.

Sponsored by the PAMI Technical Committee of the IEEE Computer Society.

Workshop Chairs:

Patrick Flynn
flynn@ee.eng.ohio-state.edu
Ohio State U.

Adam Hoover
hoover@ece.ucsd.edu
U. California, San Diego

Jonathon Phillips
jonathon@nist.gov
NIST

[Organizing Committee omitted for brevity.

Also, see below the CFP for CVIU Journal special issue on the same
topic.

-Atul]

> From: Steven Shafer <stevensh@microsoft.com>
> Subject: CFP: IEEE Multi-View Modeling & Anal. of Visual Scenes, Ft. Collins, CO, USA

Call for Papers

IEEE Workshop on
Multi-View Modeling & Analysis of Visual Scenes

June 26, 1999
Colorado State University
Fort Collins, Colorado, USA
(in conjunction with the CVPR'99 conference)

Web Site:
http://www.cs.rochester.edu/meetings/mview99

Organizers:

Kyros Kutulakos, University of Rochester, USA
Amnon Shashua, The Hebrew University, Israel

Program Committee:

P. Anandan (Microsoft) Jitendra Malik (UC-Berkeley)
Olivier Faugeras (INRIA, MIT) Tomaso Poggio (MIT)
Michael Cohen (Microsoft) Steve Seitz (CMU)
Chuck Dyer (UW-Madison) Richard Szeliski (Microsoft)
Michal Irani (Weizmann Institute) Seth Teller (MIT)
Ramesh Jain (UC-San Diego) Demetri Terzopoulos (U. Toronto)
Takeo Kanade (CMU) Andrew Zisserman (Oxford U.)

Scope & Rationale

The purpose of this workshop is to bring together researchers from the
communities of computer vision and graphics interested in the
representation and manipulation of static or dynamic 3D scenes from

multiple views. In recent years, there has been a fast and noticeable progress along the following paths: (i) image-based rendering techniques have been developed in the computer vision and graphics communities showing the promise of creating photo-realistic simulations of real visual scenes, (ii) the area of structure-from-motion has evolved into a body of results related to the representation of 3D space and its camera views in terms of collections of functions representing both the geometric and photometric variability of image space, and (iii) advances in multi-view stereo reconstruction have led to impressive results in recovering geometrically- and photometrically-complex shapes from large collections of images. Taken together, the fast progress along those lines are leading to new ways to formulate the traditional problems of structure-from-motion, motion estimation, reconstruction, and image-synthesis.

Following the successful workshop on "visual scene representations" (after ICCV'95, Boston), the "SMILE" workshop (after ECCV'98, Freiburg, Germany), and the 1998 Image-Based Modeling & Rendering workshop (at Stanford)---indicating a keen interest in the topics of multi-view scene representation, reconstruction, and visualization---we invite manuscript submissions on the following four topics:

1. Large-scale stereo: Algorithms for recovering 3D scene structure from large collections of images (from five to several hundred)

2. Multi-view motion analysis: Techniques for simultaneously analyzing visual motion from multiple viewpoints (e.g., multi-perspective real-time tracking, multi-view motion estimation). This also includes techniques for self-calibrating large collections of stationary or moving cameras

3. Image-based rendering and example-based synthesis: Image-based representations for view synthesis; scene reflectance modeling from multiple photographs; techniques for complex-motion mosaicing; techniques for transferring similarities across a collection of images of a class of objects onto novel images of that class; techniques for multi-view scene appearance manipulation

4. Virtualized reality environments and applications: Systems and algorithms for representing and visualizing dynamic 3D scenes; augmented reality

Format

We expect that approximately 12 papers will be selected for presentation at the workshop. The workshop's proceedings will be available at the meeting.

Submission Information

Manuscripts should be at most 8 pages long and should be submitted in final, camera-ready format according to the CVPR format guidelines (single spaced, two-column pages, 10-point Times-Roman or equivalent font, 12 point interline spacing). A maximum of 8 pages will be allocated in the proceedings for each accepted paper.

Only electronic submissions will be accepted for the workshop. More information on email/ftp submissions will be available on the workshop web page by mid-December 1998.

Important Dates

Deadline for receipt of papers 25 January 1999
Acceptance notification by 25 February 1999
Camera-ready papers due to IEEE-CS Press 21 April 1999

For Further Information

For any questions about the workshop please contact one of the organizers:

Kyros Kutulakos (USA)
Phone +1-716-275-6860
Fax +1-716-461-2018
Email kyros@cs.rochester.edu
Web http://www.cs.rochester.edu/u/kyros

Amnon Shashua (Israel)
Phone +972-2-658-5988
Fax +972-2-561-7723
Email shashua@cs.huji.ac.il
Web http://www.cs.huji.ac.il/~shashua

> From: Steven Shafer <stevensh@microsoft.com>
> Subject: CFP: IEEE SCTV99, Stat. & Comp. Theories of Vision, Ft. Collins, CO, USA

IEEE WORKSHOP SCTV99 CALL FOR PAPERS

Statistical and Computational Theories of Vision:

--- Modeling, Learning, Computing, and Sampling

Fort Collins, Colorado, June 22, 1999
(Associated with Int'l Conf. on CVPR'99)

http://www.cis.ohio-state.edu/~szhu/sctv99.html

This workshop will provide an international forum for discussing
recent advances in the statistical and computational theories of
vision. It will brings together highly respected researchers from
computer vision, mathematics, statistics, information theory, and
psychology to address key issues in Bayesian image analysis, such as

* Advanced theories for statistical modeling,
* Advanced theories for visual learning,
* Advanced techniques for efficient computation and search,
* Advanced techniques for Markov chain Monte Carlo Sampling.

Original papers are solicited on topics including
(but are not limited to):

* Analyzing the statistics of natural imagery and patterns,
* Statistical modeling of natural patterns (textures, shapes, biometrics...)
* Statistical modeling of clutter and sensor noise,
* Statistical modeling of scenes.
* Visual learning, model estimation and model selection,
* Information theoretic principles in computer vision,
(max. entropy, max. mutual info., minimax entropy,...)
* Markov chain Monte Carlo sampling methods,
(Importance sampling, stochastic diffusion, jump-diffusion,
multi-try metropolis, IWIW,...),
* Algorithms for efficient computation and search
(graph partitioning, 20-questions, Markov tree, dynamic search,...),
* Scene representation and graph matching,
* Bayes network,
* Data Fusion,
* Image Warping,
* Pattern theory,
* Applications:
(image segmentation, perceptual organization, object recognition,
motion analysis and tracking, medical images, ...).

ORGANIZING COMMITTEE :

Song-Chun Zhu, Alan Yuille, David Mumford

PROGRAM COMMITTEE :

[Omitted for brevity. -Atul]

IMPORTANT DATES

Paper submission deadline: Feb. 1, 1999
Notification of acceptance: April 15, 1999

SUBMISSION OF PAPERS

Prospective authors are invited to submit 4 copies of manuscript,
no longer than 25 pages, including figures and references to.

Prof. Song-Chun Zhu
Dept. of Computer and Information Science
The Ohio State University
2015 Neil Avenue
Columbus, OH 43210

Accepted papers will be published as a book (or a special issue of
a journal e.g. IEEE Trans PAMI).

CONTACT INFORMATION :

szhu@cis.ohio-state.edu

> From: "Tieniu Tan" <tnt@nlpr.ia.ac.cn>
> Subject: CFP: 2nd IEEE Intern. Workshop on Visual Surveillance, Ft. Collins, CO, USA

Second IEEE International Workshop on Visual Surveillance

June 26, 1998 Fort Collins, Colorado, USA
In conjunction with CVPR'99

CALL FOR PAPERS

Visual surveillance is both a challenging scientific problem and an
important application of computer vision. Road traffic, for example, can
be monitored to detect accidents, congestion or erratic driver
behaviour. Surveillance combined with number plate recognition can
ascertain traffic flows over large areas. The surveillance and
tracking of people have great social and economic benefits, for example
in crime prevention, in customer behaviour analysis at department
stores, and in secure sites' protection. Visual surveillance is also
used to monitor the growth and feeding behaviour of farm animals.
There are numerous similar applications.

The effectiveness of a surveillance system is increased if the user can obtain from it high level information in a familiar verbal form. A statement like `the man in the red shirt is walking leftwards' is preferable to a table of numbers. To obtain such information it is necessary to employ well established methods in computer vision and image processing such as segmentation, object detection and recognition, motion analysis, model fitting and filtering as well as more recent methods such as Bayesian nets, machine learning, hidden Markov models and principal component analysis.

Following a very successful first one-day workshop on visual surveillance at ICCV'98, the second will be held on June 26 1999, just after CVPR'99. Papers are invited on any theoretical or practical aspects of visual surveillance. Typical topics are
* High level scene interpretation
* Tracking
* Modelling and recognition of gestures and actions
* Multi-camera data fusion
* Detection of abnormal or unusual behaviour
* System training and learning=20
* Object detection and recognition

All papers will be reviewed by the program committee. Accepted papers will be presented at the workshop and also included in the proceedings to be published by the IEEE. Fuller versions of the best papers will be considered for publication in a special issue of the Image and Vision Computing Journal.

Papers should be at most 8 pages, single spaced and with 3-4 keywords. Please send THREE copies to Dr. Steve Maybank at the address given below, to arrive by 1 February 1999. Authors should include an email address where possible.

For further information please contact Steve Maybank (S.J.Maybank@reading.ac.uk) or Tieniu Tan (Tieniu.Tan@nlpr.ia.ac.cn).

PROGRAMME COMMITTEE
CO-CHAIRS
Steve Maybank Tieniu Tan
Department of Computer Science National Laboratory of Pattern Recognition
The Universty of Reading Chinese Academy of Sciences
Whiteknights, PO Box 225 P O Box 2728, Beijing 100080
Reading, Berkshire RG6 6AY, UK China

COMMITTEE MEMBERS

[Omitted for brevity. -Atul]

IMPORTANT DATES
Full paper due 1 Feb 1999
Notification 20 Mar 1999
Camera ready copy 21 Apr 1999
Workshop 26 June 1999

> From: hra@cs.uga.edu (Hamid R. Arabnia)
> Subject: CFP: CISST'99, Int. Conf. on Imaging Science, Systems, & Technology, Las Vegas

Dear Colleague,

I would be most grateful if you would share the information below with those researchers who might be interested in participating in this conference.

The 1999 International Conference on Imaging Science, Systems, and Technology (CISST'99);
Las Vegas, June 28 - July 1, 1999.
(Home page is in preparation at
http://www.cps.udayton.edu/~pan/cisst)

IMPORTANT DATES:
March 1, 1999 (Monday): Draft papers (about 4 pages) due
April 5, 1999 (Monday): Notification of acceptance
May 1, 1999 (Monday): Camera-Ready papers & Prereg. due
June 28 - July 1, 1999: PDPTA'99 & CISST'99 Conferences

Regards,
Hamid R. Arabnia, General Chair, CISST'99 Conferences

> From: Branka Zovko-Cihlar ZVFT <bzovko@zea.cc.fer.hr>
> Subject: CFP: VIPromCom'99, Video Processing & Multimedia Comm., Zadar, Croatia

ELMAR International Workshop on
Video Processing and Multimedia Communications - VIPromCom'99

June 23-25, 1999 - Zadar, Croatia

CALL FOR PAPERS

During the 41st International Symposium ELMAR, the ELMAR International Workshop on Video Processing and Multimedia Communications will be held. Workshop will be organised by the Faculty of Electrical

Engineering and Computing (FER), University of Zagreb, co-sponsored by
the IEEE Croatia Section and FER, and supported by Croatian Radio
Televison (HRT) and Croatian Post and Telecommunications
(HPT). Recognised experts are invited to send proposals for
presentations covering topics on theoretical, experimental and applied
video/image processing and multimedia communications. The aim of the
Workshop is to be an international forum for presentation and
discussion of advances in the field and new perspective research
areas.

TOPICS

1. VIDEO AND IMAGE PROCESSING

1.1. Image Compression
1.2. Image Filtering and Enhancement
1.3. Image Recognition
1.4. Texture Classification
1.5. Image Analysis and Segmentation
1.6. Biomedical Image Analysis
1.7. Neural Networks for Image Processing
1.8. Image Sequence Motion
1.9. Digital Video, DTV, DVB, HDTV, Interactive TV
1.10.Compression standards: JPEG, MPEG, H.26x

2. MULTIMEDIA COMMUNICATIONS

2.1. Communication of Multimedia Inform.
2.2. Content-based Multimedia Processing
2.3. ATM and Multimedia
2.4. Data Encryption and Security; Watermarking
2.5. Virtual Reality; Telepresence; Java
2.6. Multimedia Databases; Management Systems; Fast Searching
2.7. Multimedia on the Internet
2.8. Web Servers and Services; Webcasting
2.9. Multimedia Tools
2.10.Multimedia Applications

SUBMISSION PROCEDURE

Prospective authors are invited to propose full papers (for review) in
any of the technical areas listed above. Submission of a proposal (2
copies) should not exceed 15 single spaced pages (min. 12-point
typeface), including figures, tables and references. Each submission
must also include a cover sheet stating: (1) paper title, (2) author
names, (3) affiliations, (4) e-mail address of the corresponding
author, (5) a 10-line long abstract of the paper content, (6) a list
of max. five keywords and (7) technical area(s) (max. 2; see
TOPICS). Submissions please send to:

Prof. Branka Zovko-Cihlar, Ph.D.
Faculty of Electrical Engineering and Computing
Department of Radiocommunications - VIPromCom'99
Unska 3, HR-10000 Zagreb, CROATIA

All accepted papers must be orally presented
and will be published in the Proceedings.

IMPORTANT DATES

* Deadline for Submission of Full Papers: March 01, 1999
* Notification of Acceptance: April 01, 1999
* Deadline for Submission of Camera-Ready Papers: May 01, 1999
* Programme Received by: May 15, 1999
* Deadline for Full Payment (Reg.Fee ~ 250 DEM): June 01, 1999

ACCOMPANYING EVENTS

An international ELMAR Symposium and international Sailing Regatta
will be organised during the Workshop. The official Web pages are:
http://grgicnt.cc.fer.hr/elmar (for ELMAR'99 Symposium) and
http://wwwin.irb.hr/regata98/ (for 3rd University Sailing Regatta ELMAR)

ACCOMMODATION & TRAVEL

There are good connections by aeroplane and bus from Zagreb to Zadar.
The accommodation for the participants and Workshop/Symposium will be
in the hotel complex BORIK in Zadar situated in lovely pine woods surrounded
by flowering parks on a sandy-pebbly beach. BORIK hotels are 3 km away from
the town centre and 10 km from Zadar airport. For further information see:
http://www.st.carnet.hr/zadar/index2.html

[Organizing and Program committees omitted for brevity.
See web site for details. -Atul]

INFORMATION

E-mail: mgrgic@zea.cc.fer.hr
URL: http://grgicnt.cc.fer.hr/vip99
Phone: + 385 1 6129 780
Fax: + 385 1 6129 717

> From: Jon Sporring <sporring@diku.dk>

> Subject: CFP: 2nd Int. Conf. on Scale-Space Theories in Computer Vision, Corfu, Greece

Second International Conference on
Scale-Space Theories in Computer Vision:
Geometric Image Flows, Nonlinear Diffusion, Functional Minimisation,
and Linear Scale-Space

Corfu, Greece
September 26-27, 1999
In conjunction with ICCV '99

Scale-Space '99, Call For Papers

Scale-space theory has developed into an important branch of
multiscale techniques. The foundations are mathematically well
established, and its applications cover all areas of digital
imaging. Scale-Space '99 is a forum for presentation of advances in
scale-space theories in computer vision. It is the successor of
Scale-Space '97, held in Utrecht. The emphasis is on partial
differential equations and variational techniques for image analysis,
and their applications in industry and medicine.

SCOPE:
Methods:
Geometric image flows, level set methods, continuous-scale morphology,
nonlinear diffusion, functional minimisation, total variation methods,
regularisation, linear scale-space, multi-channel evolutions.

Special Topics of Interest:
Axiomatic foundations, invariances, well-posedness, generalised
solutions, approximation and convergence, discrete theories, fast
algorithms, deep structure, singularity theory, evolution properties,
unification of theories, interrelations of methods.

Applications:
Shape analysis, segmentation, reconstruction, motion, stereo, matching
and registration, colour image analysis, feature detection, scale
selection, medical applications, industrial applications.

SUBMISSION PROCEDURES
Authors are invited to submit four (4) copies of original so far
unpublished papers for oral or poster presentation. Papers must be no
longer than 12 pages in the Springer Lecture Notes in Computer Science
format plus a cover sheet stating: (1) paper title, (2) key words, (3)
name, address, fax, and e-mail address of the contact author. Due to
the tight publishing schedule, papers must be at the conference
secretariat no later than April 8th, 1999:
Scale-Space '99, Department of Computer Science,
University of Copenhagen, Universitetsparken 1
DK-2100 Copenhagen, Denmark
email: scalespace99@diku.dk

PROCEEDINGS
Proceedings will be published in the series Lecture Notes in Computer
Science, Springer Verlag. LaTeX style files may be obtained at
http://www.springer.de/comp/lncs/.

It is planned to publish selected papers in a special issue of an
international journal.

IMPORTANT DATES
Paper proposals due April 8, 1999
Notification of Acceptance May 31, 1999
Camera-ready papers due July 1, 1999
Conference September 26-27, 1999

ADDITIONAL INFORMATION
Additional information on Scale-Space '99 may be obtained at
http://www.diku.dk/scalespace99/.

General Board
Mads Nielsen, Olivier Faugeras, Pietro Perona, Bart ter Haar Romeny,
Guillermo Sapiro

Programme Board
Mads Nielsen, Joachim Weickert, Peter Johansen, Ole Fogh Olsen

Programme Committee
Luis Alvarez, Rein van den Boomgaard, Alfred Bruckstein, Vicent Caselles,
Tony Chan, James Damon, Rachid Deriche, Luc Florack, Lewis Griffin,
Frederic Guichard, Ben Kimia, Ron Kimmel, Jan Koenderink, Tony Lindeberg,
Ravi Malladi, Farzin Mokhtarian, Wiro Niessen, Eric Pauwels, Steve Pizer,
Joachim Rieger, Christoph Schnoerr, Jayant Shah, Jon Sporring, Luc Van Gool

----
> From: "Sziranyi Tamas" <sziranyi@sztaki.hu>
> Subject: CFP: FSPIPA'99, Structural Props. in Image & Pattern Anal. Budapest, Hungary

Workshop on
Fundamental Structural Properties in Image and Pattern Analysis (FSPIPA)
September 6-8, 1999
Budapest

http://visual.ipan.sztaki.hu/FSPIPA99/

Deadline for draft paper of 4-6 pages is March 15, 1999.

Fundamental structural properties (FSPs) of the physical world, such
as symmetry and self-similarity, underlie the basic principles of
natural sciences, including the key laws of physics and biology. They
are intrinsic to the natural and artificial processes that form shapes
and patterns. The appearance of objects and events, the way we
perceive and describe them, are strongly influenced by the underlying
FSPs whose perceptual value has been demonstrated in numerous studies.
Fundamental structural properties therefore provide a solid basis for
generalization and unification of mathematically diverse and, often,
limited methods of computer vision. The aim of the workshop is to
explore these prospects.

FSPs are present, explicitly or implicitly, in all main areas of image
processing and analysis, including texture, shape, and motion.
Examples of related tasks and applications are image and motion
segmentation, anisotropic diffusion, edge detection, pattern
orientation, flow-like patterns, retrieval of specific structures from
image databases, detection of structural defects for scientific and
industrial purposes, finding periodic activities in video sequences,
symmetry analysis of biological objects and chemical structures, and
many others. There are practical problems, for instance, in video
coding, multimedia and medical imaging, where the major structural
features of an object are sufficient for its presentation.

Study of FSPs contributes to better understanding of vision mechanisms
in man and machine, and has theoretical and practical value. The
workshop addresses major problems and results related to the role of
symmetry, self-similarity, anisotropy, regularity and structural
complexity in computer vision and human perception.

Main topics of interest:
- Definitions of FSPs (`What is regular?') and relations between them
- FSPs in the spatiotemporal domain (Processes, temporal textures,
repetitive events)
- Statistical approaches to FSPs
- Quantitative and qualitative evaluation of FSPs
- FSPs in image modeling and processing
- Defining distortion measures using FSP-based parameters
- Spatial transformations and invariance of FSPs
- FSPs and pattern orientation
- FSPs, fractals, and scale-space
- The influence of sampling structure and noise
- Software and hardware vision systems using FSPs
- FSPs in computer vision applications, such as industrial and biomedical,
video coding, multimedia and visual databases, surveillance, and
reconnaissance
- FSPs as human eye may perceive them

Tamas Sziranyi @ Dmitry Chetverikov

Dr. Tamas Sziranyi
Senior Research Fellow at MTA SZTAKI, Budapest
Tel: (36-1)2095265, Fax: (36-1)2095264,
Email: sziranyi@lutra.sztaki.hu, http://www.sztaki.hu/~sziranyi
Associate Professor at University of Veszprem
Home Tel: (36-1)2522574

> From: Raul Rojas <rrojas@icsi.berkeley.edu>
> Subject: CFP: Kuenstliche Intelligenz (AI) Spec. Issue on Handwriting Recognition

Call for Contributions on Handwriting Recognition
for the journal "Kuenstliche Intelligenz" (Artificial Intelligence)

The journal "Kuenstliche Intelligenz" (Artificial Intelligence), organ
of the German SIG on AI, will publish a special issue on handwriting
recognition during 1999. We are looking for additional original
contributions on the following topics:

- on-line and off-line handwriting recognition
- applications of handwriting recognition
- handwriting recognition for PDAs
- image processing for handwriting recognition

We are looking for papers at an expository level and papers
describing ongoing projects.

Language: English or German
Extension: 5-6 pages, including figures.
Deadline: January 31, 1999.

Short project summaries (a half-page with pointers to on-line materials)
will be published together in a special section. There are no special
format requirements, since we will reformat the papers using the
source file. Files in LaTeX or MS-Word are acceptable. Electronic
submission is encouraged.

Guest editor:
Raul Rojas
Intl. Computer Science Institute
1947 Center St.
Berkeley, CA 94704-1198
rrojas@icsi.berkeley.edu

> From: "Henry S. Baird" <baird@parc.xerox.com>
> Subject: CFP: IR Journal, Special Issue on Document Image Retrieval

* * * FIRST CALL FOR PAPERS * * *

Special Issue on

DOCUMENT IMAGE RETRIEVAL

Information Retrieval Journal
Kluwer Academic Publishers
Editors-in-Chief: Paul B. Kantor & Stephen E. Robertson

GUEST EDITORS
Henry S. BAIRD, Xerox Palo Alto Research Center, Palo Alto, CA USA
David S. DOERMANN, University of Maryland, College Park, MD USA
Francine CHEN, Xerox Palo Alto Research Center, Palo Alto, CA USA

TECHNICAL FOCUS

Classical information retrieval methods have been commonly and often
tacitly designed to operate on passages of plain, correctly encoded text.
If however that text was extracted from images of paper documents (as is
increasingly done), then new research issues arise.
Text extracted from images may be corrupt to some degree, whether due to
manual transcription or machine-assisted recognition. The text may have
been provided on the page with significant and useful contextual clues,
for example in the organization of the page layout, in typographic details
such as text size and typeface, and in proximity to images or graphics.
This non-textual ``meta-data'' is often multi-dimensional and multimedia.
For some purposes it is best to operate directly on the document image
rather than on its textual content, for example to identify nearly identical
documents or search for semi-textual ``terms'' such as logos or handwritten
annotations and signatures. And it is sometimes possible to operate
effectively on highly compressed or subsampled versions of the document image.
Categorization of document images, as a prelude to retrieval or for
other purposes, is also relevant to this special issue.
This special issue is intended to provide a forum for current research on
these and related technical problems which lie near the boundary between
the text-based information retrieval and image-based document analysis
and recognition research fields.

SUBMISSION DEADLINE: March 1, 1999

INSTRUCTIONS FOR AUTHORS

Manuscript style will be governed by the `Instructions for Authors' found
at the Information Retrieval journal's Web site
http://www.wkap.nl/journals/ir
Some procedures for submission to this Issue differ from the Web site's
standing instructions.
1. Submit manuscripts directly to:
Henry S. Baird
Xerox PARC
3333 Coyote Hill Road
Palo Alto, CA 94304 USA.
2. Submissions may, alternatively, be made via E-mail to
baird@parc.xerox.com
in LaTeX (as explained on the Web site), or in encapsulated PostScript.
3. Communicate all inquiries to Dr. Baird by E-mail if possible. If it is
necessary, telephone him at +1-650-812-4481 or FAX +1-650-812-4374.
4. Manuscripts should ordinarily be limited to 40 pages double-spaced, but
the Editors will entertain exceptions for critical surveys, large-scale
comparative performance evaluations, or architectural descriptions of
complete working systems.

> From: Jonathon Phillips <jonathon@nist.gov>
> Subject: CFP: CVIU Special Issue on Empirical Evaluation in Computer Vision Algorithms

CALL FOR PAPERS

COMPUTER VISION and IMAGE UNDERSTANDING

Special Issue on
Empirical Evaluation of Computer Vision Algorithms

Guest Editors:

Patrick Flynn, Ohio State University
Adam Hoover, University of California, San Diego
P. Jonathon Phillips, National Institute of Standards and Technology

Submission Deadline: September 15, 1999

Computer vision has advanced to the point where a stronger
experimental tradition is needed. As the importance of this need
becomes better recognized, more researchers are focusing effort on
sound experimental work. See the recent IEEE Workshop on Empirical
Evaluation Methods in Computer Vision [1998] (a report), the Workshop
on Evaluation and Validation of CV Algorithms [1998]; and the upcoming

Workshop on Performance Characterisation and Benchmarking of Vision Systems web page [January 1999], and IEEE Second Workshop on Empirical Evaluation Methods in Computer Vision [June 1999]. To promote the development of a stronger experimental tradition in computer vision and to inform the computer vision community of progress in this area, we are collecting papers on this subject for a special issue.

We are soliciting papers on ``Empirical Evaluation of Computer Vision Algorithms'' to appear in a special issue of Computer Vision and Image Understanding (CVIU). Papers appropriate to this issue will have empirical evaluation of vision algorithms as their central focus, with the evaluation cutting across all algorithmic areas of computer vision. This includes optic flow, edge detection, range image segmentation, face and gesture recognition, document image analysis, image database retrieval, 3-D model construction, motion tracking, document processing, or any other topic area that is appropriate to CVIU.

Ideally, papers will define and demonstrate empirical evaluation techniques that set standards for various sub-areas in computer vision. These standards should serve as reference points for future work and publications. Types of papers that are of interest would

define a convincing performance evaluation methodology for
a class of computer vision algorithms,
evaluate a set of well-known algorithms using this methodology,
assess the state-of-the-art in for this class of algorithms,
provide the strengths and weakness of each algorithm,
and provide a set of software tools, images, and associated
resources for future evaluations.

Also of interest are papers that provide a sound statistical methodology for analyzing performance results. Papers that evaluate a single algorithm for a given problem may be of interest, if the tools and methods used are readily adapted for use by other researchers. Papers that are primarily conceptual or theoretical are less likely to be deemed appropriate.

Paper Submission

All submitted papers will be reviewed according to the guidelines and standards of CVIU. Four copies of submitted papers should be sent to:

Dr. P. Jonathon Phillips
NIST
Bldg 225 / Rm A216
100 Bureau Dr. Stop 8940
Gaitherburg, MD 20899-8940

Please refer author information in an issue of CVIU.

Important Dates

Submission Deadline .... September 15, 1999
Reviews Returned .... December 15, 1999
Revision Deadline .... February 15, 2000
Publication Date .... July or August 2000

> From: fragola@dibe.unige.it
> Subject: CFP: CVIU Special Issue on Underwater Vision and PR

C A L L F O R P A P E R S

COMPUTER VISION and IMAGE UNDERSTANDING

Special Issue on
U N D E R W A T E R C O M P U T E R V I S I O N
A N D P A T T E R N R E C O G N I T I O N

GUEST EDITORS:
Vittorio Murino, University of Verona, Italy
Andrea Trucco, University of Genova, Italy

CVIU WWW page:
http://RVL4.ecn.purdue.edu/~kak/cviu.html
Underwater CV and PR Special Issue WWW page:
http://www.dibe.unige.it/department/imm/spis-cviu.html

THEME
Underwater vision is undoubtedly a very difficult and challenging problem, regardless of the type of sensor used for image formation. The inherently structureless environment and the difficulties caused by the nature of the propagating medium have placed limitations on gaining an understanding of the underwater world.
However, there is growing interest in investigating and, above all, in "understanding" the underwater scenes for many applications involving physical, biological, geological, archaeological, and industrial issues.
This interest is currently increasing owing to the introduction of new and smarter imaging sensors that allow us to recognize and interpret the visualized scenes directly, as opposed to having to infer the structure from the raw signals.
Therefore, together with marine specialists, an increasing number of Computer Vision and Pattern Recognition scientists is currently approaching

this environment and applying their expertise to discover new solutions to the problems linked to underwater vision.
This special issue aims to provide a comprehensive overview of the state-of-the-art in this area.
Our hope is to bring together in one place papers describing cutting-edge research.

TOPICS
The special issue will aim at gathering all the current research work for the understanding of the underwater environment, focusing on computer vision and pattern recognition issues and considering the processing of images acquired by EVERY KIND of imaging sensor (acoustical, optical, etc.).
Possible topics for papers include, but are not limited to :
- 2D and 3D Object Recognition
- Shape Analysis and Shape from X
- Range Image Analysis
- Image Reconstruction and Restoration
- Statistical, Syntactical and Structural Pattern Recognition
- Pattern Analysis and Classification
- Feature Extraction, Selection and Matching
- Segmentation & Grouping
- Low-Level Vision
- Geometric Reasoning
- AI Techniques
- Energy Minimization Methods
- Colour & Texture Analysis
- Motion, Tracking and Stereo Analysis
- Data Fusion and Multisensor Integration
- Vision and Graphics

SUBMISSION INSTRUCTIONS
Five copies of your manuscripts should be submitted to the guest editors at the address below. All manuscripts should conform to the standard format as indicated in the Information for Authors of the COMPUTER VISION and IMAGE UNDERSTADING journal http://RVL4.ecn.purdue.edu/~kak/cviu.html.

Prof. V. Murino, Dr. A. Trucco
Dept. of Biophysical & Electronic Engineering (DIBE), University of Genova
Via all'Opera Pia 11A, 16145 Genova, Italy
Tel. +39 010 3532253, Fax +39 010 3532134
e-mail: murino@ieee.org, trucco@ieee.org

Prospective authors are invited to send an email to murino@ieee.org
indicating their interest in submitting a paper and the specific topics
addressed.

IMPORTANT DATES
Paper submission deadline: March 15, 1999
First set of reviews to authors: September 10, 1999
Revised manuscript due: November 20, 1999
Notification of final evaluation: January 30, 2000
Publication date: June, 2000

For further information, please contact :

Prof. Vittorio MURINO, Dipartimento Scientifico Tecnologico
Facolta' Scienze MM. FF. NN., Universita' di Verona
Ca' Vignal 2, Strada Le Grazie, 37134 Verona, Italy
Tel. +39 45 8098996, Fax +39 45 8098982
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Dr. Andrea TRUCCO, Dept. of Biophysical & Electronic Engineering (DIBE)
University of Genova, Via all'Opera Pia 11A, 16145 Genova, Italy
Tel. +39 010 3532253, Fax +39 010 3532134
e-mail: trucco@ieee.org

> From: "Murthy, Sreerama" <murthy@scr.siemens.com>
> Subject: Announcement: Free electronic proceedings: content-based retrieval workshop

An informal workshop on Content-based Image Indexing and Retrieval was organized at Siemens Corporate Research on October 22, 1998. The electronic proceedings for this event, containing the abstracts and full presentations for most of the talks, are available from the following web page:
ftp://ftp.scr.siemens.com/pub/imaging/murthy/cbir98/index.htm

Dr. Sreerama K. Murthy, Siemens Corporate Research
755 College Road East, Princeton, NJ 08540. USA

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

Best wishes.

Your TC10 chairman,
--
Atul K. Chhabra Phone: (914)644-2786
Bell Atlantic Network Sytems, Fax: (914)644-2561
Advanced Technology Email: atul@basit.com
500 Westchester Avenue
White Plains, NY 10604, USA

TC10 WWW URL: http://www.iapr-tc10.or.kr/
TC10 member enrollment: http://www.iapr-tc10.or.kr/membership/
TC10 News submissions to: atul@basit.com