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Call for Contributions

Please contribute relevant news to TC10 groups.
Please send any relevant event, notice or link to the newsletter editor : [Alicia Fornes](#).

Message from the editor



Welcome to the July edition TC10 newsletter, where you will find information about :

- the "Handbook of Document Image Processing and Recognition"
- the Autumn School on Deep Learning
- the call for hosting ICFHR 2018
- and the next call for papers.

Follow us at twitter:

https://twitter.com/IAPR_TC10.

[Alicia Fornés](#),

IAPR-TC10 Newsletter Editor.

DDR 2015: Call for Papers



Document Recognition and Retrieval XXII (DRR 2015)

<http://nlp.cs.byu.edu/drr2015>

San Francisco, February 11-12, 2015

Document Recognition and Retrieval (DRR) is one of the leading international conferences devoted to current research in document analysis, recognition and retrieval. The 22nd Document Recognition and Retrieval Conference is being held as part of the IS&T/SPIE Electronic Imaging Symposium taking place in San Francisco, California, USA.

The conference venue and hotel will be the Hilton San Francisco Union Square.

DRR specifically will take place February 11-12, 2015.

The Conference Chairs and Program Committee invite all researchers working on document recognition and retrieval to submit original research papers.

Papers are presented in oral and poster sessions at the conference, along with invited talks by leading researchers. Accepted papers will be published by the SPIE in the conference proceedings.

Papers will also be indexed by DBLP. At the conference a Best Student Paper Award will be presented.

Papers are solicited in, but not limited to, the areas below.

(Conference web page: <http://nlp.cs.byu.edu/drr2015>)

DOCUMENT RECOGNITION

- * Text recognition: machine-printed documents, handwritten documents; paper, tablet, camera, and video sources
- * Writer/style identification, verification, and adaptation
- * Graphics recognition: vectorization (e.g. for line-art, maps and technical drawings), signature, logo and graphical symbol recognition, figure, chart and graph recognition, and diagrammatic notations (e.g. music, mathematical notation)
- * Document layout analysis and understanding: document and page region segmentation, form and table recognition, and document understanding through combined modalities (e.g. speech and images)
- * Evaluation: performance metrics, document degradation models, data collection, benchmarking, ground-truthing
- * Additional topics: document image filtering, enhancement and compression, document clustering and classification, machine learning (e.g. integration and optimization of recognition modules), historical and degraded document images (e.g. fax), multilingual document recognition, and web page analysis (including wikis and blogs).

DOCUMENT RETRIEVAL

- * Indexing and summarization: text documents (messages, blogs, etc.), imaged documents, entity tagging from OCR output, and text categorization
- * Query languages and modalities: content-based image retrieval (CBIR) for documents, keyword spotting, non-textual query-by-example (e.g. tables, figures, math), querying by document geometry and/or logical structure, approximate string matching algorithms for OCR output, retrieval of noisy text documents (messages, blogs, etc.), cross and multi-lingual retrieval
- * Discovery and browsing: pattern discovery, trend mining, topic modeling and analysis, clustering
- * Evaluation: relevance and performance metrics, evaluation protocols, and benchmarking
- * Additional topics: relevance feedback, impact of recognition accuracy on retrieval performance, and digital libraries including systems engineering and quality assurance.

IMPORTANT DATES

- 14 July 2014, 11:59pm PST: Submission deadline: Full Paper for Review
- 7 October 2014: Author notifications
- 1 December 2014: Submission deadline: Manuscript for On-site Proceedings
- 11-12 February 2015: Conference

PAPER SUBMISSION

Standard minimum paper length for all SPIE events is 6 pages. However, for DRR, we strongly encourage the

authors to submit longer papers (ideally 8-12 pages). The review process will take into account both the quality and the depth of development of the scientific and experimental content of a paper.

Papers should clearly identify the problem addressed in the work, identify the original contribution(s) of the paper, relate the paper to previous work, justify and document the methods of the paper, and provide substantive experimental and/or theoretical evaluation. The program committee will favor papers that take advantage of the opportunity to develop, argue, and provide compelling experimental evidence.

We recommend using the SPIE LaTeX template for preparing submissions (<http://kmh-lanl.hansonhub.com/spie/>).

Submissions should be uploaded through the SPIE conference website (<http://spie.org>).

For accepted submissions, the final manuscripts to be published in the proceedings are expected also to be a minimum of 6 pages in the same format.

For more information visit <http://nlp.cs.byu.edu/drr2015> .

Questions concerning the conference may also be addressed to: drr2015@googlegroups.com

CONFERENCE CHAIRS

- Eric K. Ringger, Brigham Young Univ. (United States)
- Bart Lamiroy, Université de Lorraine & LORIA (France)

PROGRAM COMMITTEE

- Gady Agam, Illinois Institute of Technology (United States)
- Sameer K. Antani, National Library of Medicine (United States)
- Elisa H. Barney Smith, Boise State Univ. (United States)
- William A. Barrett, Brigham Young Univ. (United States)
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- Jie Zou, National Library of Medicine (United States)

Invitation to Sign Up for the IAPR-TC6 newsletter

The IAPR TC on Computational Forensics (IAPR-TC6) is active again. We would like to invite you to subscribe for

the newsletter of this committee. This newsletter will inform you about the recent development of the IAPR technical committee on computational forensics. We plan to update you regularly every 3-4 months with news, information about upcoming and previous conferences and other activities related to the IAPR-TC6.

The newsletter is organized in form of a mailing list at Google Groups:

<https://groups.google.com/forum/#!forum/compfor/join>

The current issue features the following news items:

* Message from the IAPR-TC6 Committee

* Important dates :

- IWCF 2014 <http://www.isical.ac.in/~iwcf2014/>

- IWCF Shared Task on Recognition of Android Malware Patterns (RAMP)

- AFHA 2014 <http://www.dfki.de/afha/2014/>

All information of IAPR-TC6 can be found at : <https://sites.google.com/site/compforgroup/>

For any issues regarding the TC, please contact the current chair:

Utpal Garain: utpal@isical.ac.in

If you have items for the IAPR TC-6 newsletter, please contact:

Marcus Liwicki: marcus.liwicki@dfki.de

GREC 2015 : Announcement

Eleventh IAPR International Workshop on Graphics Recognition - GREC 2015

SAGE Research Unit, University of Sousse,
Sousse, Tunisia - August 20-21 2015

We are pleased to announce that the Eleventh IAPR International Workshop on Graphics Recognition (GREC'2015), organized by IAPR TC-10 (Technical Committee on Graphics Recognition) and SAGE Research Unit, will be held at University of Sousse (Sousse, Tunisia) on August 20-21, 2015, just before the 13th International Conference on Document Analysis and Recognition (ICDAR). Transportation shuttle buses will be arranged between GREC and ICDAR.

The GREC workshops provide an excellent opportunity for researchers and practitioners at all levels of experience to meet colleagues and to share new ideas and knowledge about graphics recognition methods. Graphics recognition is a problem domain of increasing interest. It is a branch of document image analysis that focuses on the recognition of two-dimensional notations such as engineering drawings, maps, mathematical notation, music notation, tables, diagrams, etc. The workshops enjoy strong participation from researchers in both industry and academia.

GREC 2015 is the eleventh workshop in the GREC series. The previous workshops were held at Penn State University (USA), Nancy (France), Jaipur (India), Kingston (Canada), Barcelona (Spain), Hong Kong (China), Curitiba (Brazil), La Rochelle (France), Seoul (South Korea) and Bethlehem (USA).

About the workshop city

GREC'2015 will take place in Sousse (Tunisia), the capital of the Sousse Governorate. Located 140 km south of the capital Tunis. Sousse is in the central-east of the country, on the Gulf of Hammamet, which is a part of the Mediterranean Sea. It is an important tourist resort. It has a Mediterranean climate, with hot, dry summers and warm, mild wet winters. The seaside location moderates the climate, making it an all-season resort. Sousse is also a scientific city. The University of Sousse includes several institutions and more than 30 000 students.

Workshop Format

You are invited to participate in a single-track 2-day workshop on methods and systems for graphics recognition.

The workshop will be organized into several sessions; each of them will begin with an invited talk assessing the state of the art, followed by short research presentations and concluding with a panel discussion, to identify important open research problems and suggestions for future research directions. These panel discussions proved to be very interesting, with much interaction between the authors and all the other participants.

Topics

Relevant topics of interest include, but are not limited to:

- Raster-to-vector techniques.
- Recognition of graphical primitives.
- Recognition of graphic symbols in charts, diagrams, and drawings.
- Interpretation of engineering drawings, maps, charts, tables, and other graphical documents.
- Graphics-based information retrieval.
- Historical graphic indexing.
- Description of complete systems for interpretation of graphic documents.
- Performance evaluation in graphics recognition.
- Authoring, editing, storing and presentation systems for graphics multimedia documents.
- 3-D models from multiple 2-D views (line drawings).
- Identification and localization of graphical mark-ups and annotations in written documents.
- Digital ink processing.
- Sketch recognition and understanding.

Paper Submission and Post-Proceedings Publishing

Papers have to be sent through the workshop web site. Afterwards, authors will be notified as soon as the review is available. The full text of all contributed papers will be available in proceedings distributed at the workshop. After the workshop, the program committee plans to publish revised versions of selected papers as an LNCS Volume, by Springer Verlag.

Important Dates and Timeline

Information about dates and timeline will be given in the next newsletter.

Contact Information

Research Unit Advanced Systems in Electrical Engineering (SAGE), National Engineering School of Sousse (ENISo), University of Sousse, Tunisia

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Handbook of Document Image Processing and Recognition

Handbook of Document Image Processing and Recognition

D. Doermann, K. Tombre (Eds.)

- A comprehensive reference on the methods and techniques used in document image processing and recognition, for both experienced and novice researchers
- Integrates and summarizes work on closely related tasks that are treated separately in the field
- Includes unified comparison and contrast analyses of algorithms in standard table formats

The Handbook of Document Image Processing and Recognition provides a consistent, comprehensive resource on the available methods and techniques in document image processing and recognition. It includes unified comparison and contrast analysis of algorithms in standard table formats. Thus, it educates the reader in order to help them to make informed decisions on their particular problems.

The handbook is divided into several parts. Each part starts with an introduction written by the two editors. These introductions set the general framework for the main topic of each part and introduces the contribution of each chapter within the framework. The introductions are followed by several chapters written by established experts of the field.

Each chapter provides the reader with a clear overview of the topic and of the state of the art in techniques used (including elements of comparison between them). Each chapter is structured in the same way: It starts with an introductory text, concludes with a summary of the main points addressed in the chapter and ends with a comprehensive list of references. Whenever appropriate, the authors include specific sections describing and pointing to consolidated software and/or reference datasets. Numerous cross-references between the chapters ensure this is a truly integrated work, without unnecessary duplications and overlaps between chapters.

This reference work is intended for the use by a wide audience of readers from around the world such as graduate students, researchers, librarians, lecturers, professionals, and many other people.

(from the Springer Product Flyer)

For more information and a electronic Product Flyer see the books announcement at Springer online:

<http://www.springer.com/computer/image+processing/book/978-0-85729-858-4?otherVersion=978-0-85729-860-7>

Call for Hosting Proposals for ICFHR 2018

Continuing a long tradition, the international research community plans to gather in Crete Island, Greece for the 14th International Conference on Frontiers in Handwriting Recognition on September 1-4, 2014

(<http://www.icfhr2014.org/>).

In keeping with the practice of the community, proposals are now being solicited for hosting ICFHR 2018, the 16th International Conference on Frontiers in Handwriting Recognition.

ICFHR is the premier event for identifying, encouraging, and exchanging ideas in handwriting recognition promoting novel applications at the frontiers of this important field. The single-track conference brings together leading researchers and practitioners in on-line and off-line handwriting recognition.

The series of the ICFHR conferences is a continuation of the ten IWFHRs (Montreal 1990, Chateau de Bonas 1991, Buffalo 1993, Taipei 1994, Colchester 1996, Taejon 1998, Amsterdam 2000, Niagara on the Lake 2002, Tokyo 2004, La Baule 2006). Previous ICFHR conferences were held in Montreal 2008, Kolkata 2010 and Bari 2012.

The 15th International Conference on Frontiers in Handwriting Recognition, ICFHR 2016, is scheduled to be held in **Shenzhen, China, on October 24-16, 2016.**

Koichi Kise, TC-11 Chair, kise@cs.osakafu-u.ac.jp

Dimosthenis Karatzas, TC-11 Vice Chair, dimos@cvc.uab.es

The deadline for submitting written proposals is **Monday, August 18.**

In addition pared to make a brief presentation to the community during a special session at ICFHR 2014 after which time a vote will be taken to determine the winning bid. The special session is scheduled just before the social event (Wednesday afternoon, 3 September 2014).

Questions concerning the proposal process can be addressed to [Koichi Kise](#) and [Dimosthenis Karatzas](#).

AERFAI Autumn School on DEEP LEARNING (AASDL)

<https://www.upv.es/contenidos/AASDL/>

The first AERFAI Autumn School will be hosted by the Technical University of Valencia (Spain), 22-24 October 2014.

The topic of this first edition will be Deep Learning. The School will cover both, theoretical and practical issues of Deep Learning methods with lectures along these three days.

IWRR 2014: Call for Papers

IWRR2014 – International Workshop on Robust Reading

In conjunction with ACCV 2014

it is organized the First International Workshop on Robust Reading (IWRR 2014)

November 1 or 2, 2014

National University of Singapore, Singapore

Interpreting written communication (textual or symbolic) is one of the most important human activities. It is, however, one of the most difficult ones for computers to realize and has been recognized as an unsolved challenge. In the community of Document Analysis and Recognition (DAR), research on unconstrained reading systems has been of central interest. The series of ICDAR Robust Reading Competition (RRC), which is held in conjunction with biannual International Conference of Document Analysis and Recognition (ICDAR), has played an important role, especially, by providing standardized datasets that have become the de-facto evaluation benchmarks in the area and providing an opportunity to compare methods.

Recently, this kind of research, especially research on reading scene text, has attracted the interest and is increasingly accepted by the wider computer vision (CV) community. Papers on related topics have been consistently presented in major CV conferences such as CVPR, ICCV, ECCV and ACCV. In these papers, ICDAR RRC datasets are used as standard measures of methods.

Responding to this trend, we organize the First International Workshop on Robust Reading (IWRR 2014) in conjunction with ACCV 2014. The workshop aims at turning the spotlight on the challenge of unconstrained reading systems. The goal of the workshop is to attract the wider CV community to put research efforts on this challenging research topic, as well as to motivate many researchers from the DAR community to attend ACCV 2014.

Topics of Interest include, but are not limited to:

- Scene text localisation, segmentation, and recognition
- Reading scene and/or overlaid text in video sequences
- Text localisation, segmentation, and recognition in born-digital images
- Restoration of camera captured documents (dewarping, deblurring, etc.)
- Quality estimation and degradation modelling of camera-captured text
- Performance evaluation and metrics
- Applications such as translation, reading text for the blind, etc
- Graphical content interpretation in complex settings

IMPORTANT DATES

Paper Submission Due: September 12, 2014, 23:59 Pacific Time

Author Notification: October 3, 2014

Camera-Ready Paper Due: October 17, 2014

You can find complete information at:

<http://imlab.jp/iwrr2014/>

ICPRAM 2015: Call for Papers

International Conference on Pattern Recognition Applications and Methods
(ICPRAM 2015 - <http://www.icpram.org/>)

We would like to draw your attention to ICPRAM 2015, whose submission deadline is scheduled for July 29, 2014.

We hope you can participate in this conference by submitting a paper reflecting your current research in any of the following areas:

- Theory and Methods
- Applications

The International Conference on Pattern Recognition Applications and Methods would like to become a major point of contact between researchers, engineers and practitioners on the areas of Pattern Recognition, both from theoretical and application perspectives. Contributions describing applications of Pattern Recognition techniques to real-world problems, interdisciplinary research, experimental and/or theoretical studies yielding new insights that advance.

Pattern Recognition methods are especially encouraged.

Call for papers

Event/Location/Web	Event Date	Deadline (paper submission)
DRR 2015: San Francisco, USA Document Recognition and Retrieval http://nlp.cs.byu.edu/drr2015	February 11-12, 2015	July 14, 2014
ICPRAM 2015: Lisbon, Portugal Int. Conference on Pattern Recognition Applications and Methods http://www.icpram.org/	January 10-12, 2015	July 29, 2014
IWRR 2014: Singapore Int. Workshop on Robust Reading http://imlab.jp/iwrr2014/	November 1-2, 2014	September 12, 2014
CVPR 2015: Boston, USA Computer Vision and Pattern Recognition http://www.pamitc.org/cvpr15/	June 8-10, 2015	November 14, 2014
IbPRIA 2015: Santiago de Compostela, Spain Iberian Conference on Pattern Recognition and Image Analysis http://www.ibpria.org/2015/	June 10-12, 2015	November 21, 2014

Call for datasets

We would like to remind you that the TC10 and TC11 Web sites always welcome contributions of new datasets or other resources related to the community. We would like to encourage all the TC10 and TC11 members to submit such material to the TC10 and TC11 for archiving. The availability of datasets, ground truth and performance evaluation tools online is not only good practice, but also a requirement for a field to progress.

We would like make a special request to the organizers of recent and future competitions. Independently of whether you have the competition datasets and evaluation tools available through other Web sites, please consider archiving them with TC10 / TC11 as well. Web sites often go off-line and useful resources are frequently lost forever.

Please check the TC10 site on information about how to submit datasets for archiving.
<http://iapr-tc10.univ-lr.fr/index.php/datasets-and-software>

Marcus Liwicki and Bart Lamiroy
TC-11 and TC-10 Dataset Curators

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To manage your subscription, please please login and edit your profile at: <http://iapr-tc10.univ-lr.fr>

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