TC10
Technical Committee on Graphics Recognition

Newsletter   N°109

November 2014

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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 November edition TC10 newsletter, where you will find information about

- the GREC 2013 LNCS volume,
- the next GREC 2015,
- the call for hosting DAS 2016
- the next call for papers.

You will also find a preliminary call for TC-10 Chairmainship. More information will be soon sent through the
TC-10 mailing list and published at the TC-10 website.

Follow us at twitter:
https://twitter.com/IAPR_TC10.

Alicia Fornés,
IAPR-TC10 Newsletter Editor.

TC10: Call for Chairmainship

International Association for Pattern Recognition
Technical Committee 10 – Graphics Recognition

CALL FOR APPLICATIONS TO TC10 CHAIRMANSHIP

Graphics Recognition is an exciting field of pattern recognition. Along with optical character recognition (OCR) and document layout analysis, it forms the broader area of document image analysis and recognition.
IAPR Technical Committee 10 on Graphics Recognition promotes interaction among researchers working in document image analysis in general, and graphics recognition in particular.

TC10 organizes and co-sponsors several international workshops, conferences and international contests in graphics recognition. An electronic mailing with news of interest to the research community is sent out periodically to TC10 members.

After 4 years as a TC10 chair, Jean-Marc Ogier and his TC10 leading team are organizing the selection of the next TC 10 chair. Thus, the TC10 advisory board is seeking applications from candidates to lead the TC10 for the next 2 years, until the next IAPR Governing Board, which will be held in Cancun, Mexico.

Deadline: December 20th, 2014.

Further information will be soon available.

Prof. Dr. Jean-Marc OGIER, TC-10 Chair
jean-marc.ogier@univ-lr.fr

GREC 2015 : Announcement

Eleventh IAPR International Workshop on Graphics Recognition - GREC 2015
SAGE Research Unit, University of Sousse,
Sousse, Tunisia - August 20-21 2015

The TC-10 and GREC 2013 organizing committee are glad to announce that the Eleventh International Workshop on Graphics Recognition (GREC 2015), organized by the IAPR TC-10, will be held at Sousse.
Sousse is a city in Tunisia at about 2 hours from Tunis (where ICDAR 2015 will be held).
Transportation will be arranged between GREC and ICDAR.

As usual, the GREC workshops are an excellent opportunity for researchers and practitioners to meet and to share new ideas and knowledge about graphics recognition methods.

More details will be soon available.

The GREC 2015 organizing committee

GREC 2013 LNCS volume by Springer

We are pleased to announce the GREC 2014 LNCS Post-proceedings: "**Graphics Recognition. Current Trends and Challenges**"

This book constitutes the thoroughly refereed post-conference proceedings of the 10th International Workshop on Graphics Recognition, GREC 2013, held in Bethlehem, PA, USA, in August 2013.

The 20 revised full papers presented were carefully reviewed and selected from 32 initial submissions. Graphics recognition is a subfield of document image analysis that deals with graphical entities in engineering drawings, sketches, maps, architectural plans, musical scores, mathematical notation, tables, and diagrams. Accordingly the conference papers are organized in 5 topical sessions on symbol spotting and retrieval, graphics recognition in context, structural and perceptual based approaches, low level processing, and performance evaluation and ground truthing.

For more information, please visit:
http://www.springer.com/new+%26+forthcoming+titles+%28default%29/book/978-3-662-44853-3

Job Offer: Postdoc at the University of La Rochelle (France)

Postdoctoral position at L3I (La Rochelle, France) on document security management

Research context
In the context of a partnership with a french company, the L3I Lab of the University of La Rochelle proposes a post-doctoral position. The global context of this post doctoral position is the document fraud detection, subject on which a set of human resources already works since 2 years in the lab.

The global objective of the project is to develop technologies allowing to automatically detect documents which are suspected to have been modified for criminal purposes. The analysis strategy consists in combining several cues, which can be graphic cues (extracted from the image of the document) based on pattern recognition techniques,, or semantic (extracted from the document or from any exogen information source).
Concerning the semantic consistency of the data, the analysis consists in extracting their intrinsic coherency in the document, but can also be based on web mining based information.

Postdoctoral researcher work description
The work proposed for this post doctoral position will consist in completing graphic (based on greylevel and color analysis) and semantic analysis tools (based on data mining techniques), and in implementing the decision process based on the combination of the different cues, extracted at the graphic and semantic level.
The (minimum) one year postdoctoral work will be oriented on combining the different cues (graphic and semantic) in order to provide a final decision concerning the authencity of the document.
The Implementation will be in C or C++.

Required knowledge and background
The candidate must have knowledge on pattern recognition problems and data mining questions.
An experience on document recognition will be particularly appreciated, as well as in datamining techniques.
The candidate will also need experience on object-oriented development of large systems.

Salary
2100 euros gross/month

Duration
12 months (minimum) , starting as soon as possible

Contact
For further information, please contact:
Jean-Marc Ogier, (33) 5 46 45 82 15,
jean-marc.ogier@univ-lr.fr , (33) 6 32 65 70 41

IJDAR articles alert

Volume 17, Issue 3
http://link.springer.com/journal/10032/17/3/page/1

- Learning confidence transformation for handwritten Chinese text recognition
  Da-Han Wang, Cheng-Lin Liu

- Statistical segmentation and structural recognition for floor plan interpretation
  Lluís-Pere de las Heras, Sheraz Ahmed, Marcus Liwicki, Ernest Valveny, Gemma Sánchez

- Mathematical formula identification and performance evaluation in PDF documents
  Xiaoyan Lin, Liangcai Gao, Zhi Tang, Josef Baker, Volker Sorge

- Texture sparseness for pixel classification of business document images
  Melissa Cote, Alexandra Branzan Albu

- Recognizing handwritten Arabic words using grapheme segmentation and recurrent neural networks
  Gheith A. Abandah, Fuad T. Jamour, Esam A. Qaralleh

- A graph-based approach for segmenting touching lines in historical handwritten documents
  David Fernández-Mota, Josep Lladós, Alicia Fornés

We encourage researchers to send the link to any relevant article related to graphics recognition to:
afornes@cvc.uab.es

Call for Hosting Proposals for DAS 2016

Dear all,

We have still in our memory the wonderful and productive days in Tour during DAS 2014, organized by our colleagues Jean-Yves Ramel and Marcus Liwicki. Once again, many thanks to them as well as to the program chairs, Jean-Marc Orgier, Koichi Kise, and Ray Smith.

More than 100 members of the international research community met in the Loire Valley for the 11th IAPR International Workshop on Document Analysis Systems in April this year. The DAS workshop has become one of the signature events for TC-11, and DAS 2014 builds on the tradition established by past DAS workshops held in Kaiserslautern, Germany (1994), Malvern, PA (1996), Nagano, Japan (1998), Rio de Janeiro, Brazil (2000), Princeton, NJ (2002), Florence, Italy (2004), Nelson, New Zealand (2006), Nara, Japan (2008), Boston, MA (2010), and Gold Coast, Australia (2012).

Individuals and groups who are interested in Document Analysis Systems are now invited to submit proposals for organizing and hosting DAS 2016. The event should preferably take place in late summer/fall, but is not limited to this period.

The call is now open!

The submission deadline is **November 30th, 2014**. If you already know whether you are interested in preparing a proposal, please send me your expression of interest. Note that an expression of interest is not a commitment to make a formal proposal nor an official bid. If you need further information concerning DAS, please feel free to contact me.

The final selection among competing proposals will be made short after the deadline by the DAS Steering Committee, which is composed of all those who have themselves organized or contributed substantially to past DAS workshops.

I look forward to many bids.

Best regards,>>

Andreas Dengel <Andreas.Dengel@dfki.de>

Handbook of Document Image Processing and Recognition

Handbook of Document Image Processing and Recognition
D. Doermann, K. Tombre (Eds.)

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.

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.

For more information, visit:
http://link.springer.com/referencework/10.1007/978-0-85729-859-1?
wt_mc=Alerts.TOC%20Insert.8.CHN420.JL%2FTOCInsert%2F978-0-85729-858-4

Call for papers: IGS 2015 - Conference of the International Graphonomics Society

http://www.graphonomics.org/igs2015/

The 17th conference of the International Graphonomics Society (IGS 2015), will be hosted in Guadeloupe, June 21-24, 2015.

The theme of the Conference is "Drawing, Handwriting Processing and Analysis: New Advances and Challenges". It will be a single track international forum for discussion on recent advances in the fields of pattern recognition, science, humanities, arts and technology of Graphonomics.

Selected papers will be submitted in Special Issue of journals: Human Movement Science, IEEE Transactions on Human-Machine Systems and the Journal of Forensic Document Examination

Important dates
- 10 December, 2014 : paper submission
- 28 February, 2015 : notification of acceptance/rejection
- 28 March, 2015 : camera ready paper
- 28 March, 2015 : author registration

Best regards,
Eric Anquetil

Call for papers: ICDAR 2015

IAPR 13th International Conference on Document Analysis and Recognition (ICDAR 2015)
Tunis, Tunisia, 23-26 August 2015

http://2015.icdar.org/

ICDAR is the premier international forum for researchers and practitioners in the document analysis community for identifying, encouraging and exchanging ideas on the state-of-the-art technology in document analysis, understanding, retrieval, and performance evaluation. The term document in the context of ICDAR encompasses a broad range of documents from historical forms such as palm leaves and papyrus to traditional documents and modern multimedia documents.

ICDAR 2015 is sponsored by the International Association for Pattern Recognition (IAPR) and technically co-sponsored by TC-10 (Graphics Recognition), TC-11(Reading Systems), IEEE Computer Society (pending approval), IEEE Region 8 (pending approval), and Tunisian Chapter of the IEEE Computer Society.

The conference program will include workshops, tutorials, competitions, and doctoral consortium, along with prominent keynote speakers and paper presentations.

The conference includes the following areas:
- Character and symbol recognition
- Printed/Handwritten text recognition
- Graphics analysis and recognition
- Document analysis
- Document understanding
- Historical documents and digital libraries
- Document based forensics
- Camera and video based scene text analysis

Important Dates
- Workshops, Tutorials and Competitions Proposal Due: December 15, 2014
- Paper submission: January 15, 2015
- Acceptance: April 15, 2015

- Doctoral Consortium: April 15, 2015
- Camera-ready due: May 15, 2015

Plenary Speakers
- Prof. David Doermann, Program Manager, DARPA, USA
- Prof. Koichi Kise, Osaka Prefecture University, Japan
- Prof. (IAPR/ICDAR Outstanding Achievements Award Recipient) (will be announced soon!)

Author Guidelines
Prospective authors are invited to submit original and high-quality work for presentation at the IAPR ICDAR 2015.
Deadline: January 15, 2015.
https://www.easychair.org/conferences/?conf=icdar2015

ICDAR 2015 Publication: IEEE

Call for Related Activities
Deadline: December 15, 2015

- Workshops: Post-conference workshops offer a unique opportunity for in-depth discussions of specific
topics in Document Analysis and Recognition. Researchers interested in organizing workshops are invited to
send a proposal to the workshops chairs. http://2015.icdar.org/activities/workshops/

- Tutorials: ICDAR 2015 will feature pre-conference tutorials addressing fundamental and advanced topics
in Document Analysis and Recognition. Researchers interested in organizing tutorials are invited to
submit a formal proposal. http://2015.icdar.org/activities/tutorials/

- Competitions: Researchers interested in organizing competitions within the framework of the Conference are
invited to submit proposals. Competitions should aim at evaluating the performance of algorithms and methods
related to areas of document analysis and recognition. http://2015.icdar.org/activities/competitions/

Sponsors & Exhibitions
We invite you to be a sponsor of the 13th ICDAR 2015 and thus play an essential role for the success of the
conference. We expect to welcome more than 300 experts and researchers from all over the world and numerous
high-ranking guests. Therefore, we anticipate extensive coverage of the event in the media.

To take advantage of these opportunities and to help enhance them, corporations, research centers,
universities and individuals are invited to become sponsors of ICDAR'2015. It will be a good opportunity
to present your enterprise and your expertise to a distinguished audience.
We are looking forward to a successful cooperation with you!

http://2015.icdar.org/sponsors-exhibitors/sponsorship-exhibitor/

ICFHR 2018: First Announcement

The 16th International Conference on Frontiers of Handwriting Recognition (ICFHR 2018) will be held in Rochester,
New York, USA on August 6-10, 2018.
Venu Govindaraju (University at Buffalo), R. Manmatha (University of Massachussets at Amherst),
and Richard Zanibbi (Rochester Institute of Technology) will serve as Converence Co-Chairs.

Call for papers

Event/Location/Web	Event Date	Deadline (paper submission)
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
IGS 2015, Guadeloupe, Caribbean island Conf. International Graphonomics Society http://www.graphonomics.org/igs2015/	June 21-24, 2015	December 10, 2014
GbR 2015: Beijing, China IAPR-TC15 Workshop on Graph-based Representations in Pattern Recognition http://www.nlpr.ia.ac.cn/gbr2015/	May 13-15, 2015	December 31, 2014
ICDAR 2015, Gammarath, Tunisia Int. Conf. on Document Analysis and Recognition http://2015.icdar.org/	August 23-26, 2015	January 15, 2015
ACPR 2015, Kuala Lumpur, Malaysia Asian Conf. on Pattern Recognition http://acpr2015.org/	November 3-6, 2015	June 1, 2015

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