TC10
Technical Committee on Graphics Recognition

Newsletter N°116

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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 January edition of TC10 newsletter.

In this newsletter you will find information concerning the DAS call for short papers (deadline extended to January 15th), the call for competitions and tutorials at ICFHR 2016 (deadlines next January 15th and February 15th) and the Handwritten Scanned Document Retrieval Challenge at ImageCLEF 2016 and the Research Interships available at La Rochelle (France).

We also repost the information on the three postdoctoral positions available at the Computer Vision Center (Barcelona).

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

Alicia Fornés, IAPR-TC10 Newsletter Editor.

DAS 2016 : Document Analysis Systems

12th IAPR International Workshop on Document Analysis Systems (DAS 2016)
April 11-14, Santorini, Greece
http://www.primaresearch.org/das2016

DAS 2016 is the 12th edition of the 100% participation single-track IAPR sponsored workshop focusing on system-level issues and approaches in document analysis and recognition. The workshop comprises invited speaker presentations, oral, poster, tutorial and demo sessions as well as working group discussions.

DAS 2016 will be organized on the island of Santorini, Greece. Santorini was created from a volcanic eruption that left it with volcanic cliffs overlooking a black and red coast, dazzling against the turquoise Mediterranean. Santorini is one of the most popular, beautiful and unique islands in the world since it combines a cosmopolitan atmosphere, spectacular scenery of deep blue sea and whitewashed houses, breathtaking sunsets, ancient sites, world-class restaurants and an active volcano.

List of Regular Accepted papers (orals and posters) is available here:
http://www.primaresearch.org/das2016/acceptedPapers

Important dates
- Camera ready (regular papers): 08 January 2016
- Early registration: 08 January 2016

Short Papers
- Papers: Jan 15, 2016 (EXTENDED!)
- Decision notification: Feb 08, 2016
- Camera ready: Feb 22, 2016

Short papers (up to 2 pages in length) provide an opportunity to report on research in progress, to present novel positions on document analysis systems. A Short Paper can also describe the system associated with a demo that the authors wish to present at DAS2016. Subject to successful reviews, Short Papers will be distributed to delegates at the workshop in the form of the DAS2016 Short Papers booklet.

Access the submission system: https://www.easychair.org/conferences/?conf=das2016

The DAS 2016 Program Committee Chairs

ICFHR 2016 : Call for Tutorials and Competitions

International Conference on Frontiers in Handwriting Recognition (ICFHR)
October 23-26, 2016
Shenzhen, China
http://www.nlpr.ia.ac.cn/icfhr2016/

Call for Competitions

The ICFHR2016 Organizing Committee invites proposals for competitions to be held within the framework of the Conference. Competitions should aim at evaluating the performance of individual methods and systems related to different tasks in handwriting recognition.

Proposals must contain the following information:
1. A brief description of the competition, including which is the particular task under evaluation and why this competition could be of interest to the ICFHR community. If a similar competition has been held in a previous edition of ICFHR, the novel additions of the proposed one must be clearly explained.
2. A draft of the outline of the competition describing which data is planned to be used (and how it will be made publicly available), how will the submitted methods be evaluated and which performance measures will be used.
3. The names, contact information, and brief CVs of the competition organizers, outlining previous experience in performance evaluation and/or organizing competitions.

Submission
Proposals should be submitted by electronic mail to the ICFHR2016 Competitions Chairs:
- Apostolos Antonacopoulos (A.Antonacopoulos@primaresearch.org)
- Volker Märgner (Maergner@ifn.ing.tu-bs.de)

Rules
The following rules will apply to the accepted competitions:
- All competitions must run well in advance of the conference.
- Datasets used in the competitions must be made available after the end of the competitions.
- Evaluation methodologies and metrics used must be described in detail so that results can be replicated later.
- The name of the competition must be standardized by starting with "ICFHR2016" e.g. "ICFHR2016 Competition on ..."
- Reports (full papers) on each competition will be reviewed and, if accepted (the competition run according to plan and is appropriately described), will be published in the ICFHR2016 conference proceedings.
- The results of accepted competitions will be announced during a dedicated session of the conference.
- Participants should be encouraged to present their algorithms (if not already done) in a conference paper at ICFHR 2016.
- Competitions must have sufficient number of participants to be able to draw meaningful conclusions.

Important Dates
- 15 January 2016: Submission of competition proposals.
- 08 February 2016: Notification of acceptance.
- 22 February 2016: Competitions published on ICFHR2016 website and open to participants.
- 01 July 2016: Deadline for submission for review of full papers describing the competitions. Papers must be sent
  directly to the Competitions Chairs.
- 15 August 2016: Accepted camera-ready papers reporting on the competitions for inclusion in the proceedings.

If you have any query, please contact the ICFHR2016 Competitions Chairs.

Call for Tutorials

The ICFHR 2016 Organizing Committee invites proposals for Tutorials to be held prior to the main conference at Shenzen in China. Tutorials should serve one or more of the following objectives:
- Introduce students and newcomers to major topics of ICFHR research.
- Provide instruction on established practices and methodologies.
- Survey a mature area of ICFHR research and/or practice.
- Motivate and explain an ICFHR topic of emerging importance.
- Introduce expert non-specialists to an ICFHR research area.

Proposals should contain the following information:
1. A brief description of the tutorial.
2. A detailed outline of the tutorial, including preferred length of tutorial either 3 hours (1/2 day) or 6 hours (1 day).
3. Characterization of the potential target audience for the tutorial including prerequisite knowledge.
4. A description of why the tutorial topic would be of interest to a substantial part of the ICFHR audience.
5. A brief resume of the presenter(s), which should include name, postal address, e-mail address, background in the tutorial area, any available example of work in the area (ideally, a published tutorial-level article on the subject), evidence of teaching experience (including references that address the proposer's presentation skills), etc.
6. The name and e-mail address of the corresponding presenter.

Proposal should be submitted by electronic mail to the ICFHR-2016 Tutorial Chairs:
- Michael Blumenstein, University of Technology Sydney, Australia (michael.blumenstein@uts.edu.au)
- Marcus Liwicki, DFKI, Germany (marcus.liwicki@dfki.de)

The evaluation of the proposal will take into account its general interest for ICFHR attendees (e.g., a tutorial on
object-oriented inheritance will not be appropriate), the quality of the proposal (e.g., a tutorial that simply lists a
set of concepts without any apparent rationale behind them will not be approved) as well as the expertise and skills of the presenters. We
emphasize that the primary criteria for evaluation will be whether a proposal is interesting,
well-structured, and motivated, rather than the perceived experience/standing of the proposer.

Last but not least, the tutorial should attract a meaningful audience. Those submitting a proposal should keep in mind that tutorials are intended to provide an overview of the field; they should present reasonably well-established information in a balanced way. Tutorials should not be used to advocate a single avenue of research, nor should they promote a product.

Important Dates
- 15 February 2016: Submission of proposals for tutorials.
- 10 March 2016: Notification of acceptance.

If you have any query, please contact the ICFHR-2016 Tutorial Chairs.

ImageCLEF 2016 Handwritten Scanned Document Retrieval Task

Handwritten Scanned Document Retrieval Challenge @ ImageCLEF 2016

Call for Participation
http://imageclef.org/2016/handwritten

We cordially invite you to participate in a new evaluation campaign aimed at the development of systems for textual-query retrieval from historical handwritten collections. The evaluation will be characterized by the following key challenges:
- Multi-word queries.
- Finding broken words due to hyphenation.
- Queries with words not seen in the training data.
- Queries with zero relevant results.
- Results in the transitions between pages.
- Proximity searching.

The evaluation tries to allow easy participation from different research communities, with the aim of having synergies and providing different ideas and solutions to the problems being addressed. In particular, we hope to have participation at least from groups working on: handwritten text recognition, image-based keyword spotting and text retrieval. The primary training/development information will consist in the original page images and transcripts. This can be directly used by researchers working on keyword spotting. Moreover, word bounding boxes will be provided for the convenience of groups that work on query-by-example keyword spotting. In addition to the original page images and transcripts, plain text n-best recognition lists will be provided, to allow easy participation of researchers that normally work with text only.

The participants will have a chance to submit a paper describing their systems, which will be peer reviewed and if accepted, published in the CEUR-WS proceedings. Furthermore, the groups of the best performing systems will be invited to give an oral presentation at CLEF 2016 and others will be given the option of presenting a poster. Attendance to CLEF is not mandatory (though recommended) for participating or the papers being published.

This challenge is being organized as part of ImageCLEF, a lab of CLEF 2016 (http://clef2016.clef-initiative.eu).

Any questions or comments you may have, feel free to contact us.

For more details on the evaluation please visit http://imageclef.org/2016/handwritten

Schedule
- 15.11.2015: registration opens (until 22.04.2016)
- 16.12.2015: release of training/development data
- 15.03.2016: release of test data
- 01.05.2016: deadline for submission of runs by the participants
- 15.05.2016: release of processed results by the task organizers
- 25.05.2016: deadline for submission of working notes papers
- 17.06.2016: notification of acceptance of the working notes papers
- 01.07.2016: camera ready working notes papers
- 05.-08.09.2016: CLEF 2016, Évora, Portugal

Organizing Committee
Universitat Politècnica de València, Spain
- Joan Puigcerver <joapuipe@prhlt.upv.es>
- Alejandro H. Toselli <ahector@prhlt.upv.es>
- Joan Andreu Sánchez <jandreu@prhlt.upv.es>
- Enrique Vidal <evidal@prhlt.upv.es>
- Mauricio Villegas <mauvilsa@prhlt.upv.es>

IDIPS 2016: Call for participation

International Document Information Processing School (IDIPS)
Samos, Greece, 4-8 July, 2016
http://samosweb.aegean.gr/idips2016/

We are pleased to announce the 4th annual IDIPS Summer school is now taking applications for summer 2016.
This year IDIPS will take place on the island of Samos, Greece, 4-8 July, 2016.

IDIPS, the International Document Information Processing School, this year is expanding to include National Language Processing (NLP).
Document Analysis Systems (DAS) nowadays use more NLP in order to improve their precision.
The two fields share common problems and even techniques. It is our intention to prepare young researchers of both fields
to combine knowledge from NLP and DAS in order to solve modern problems. IDIPS will include lectures of basic and advanced knowledge from the
fields of DAS and NLP, as well as from Machine Learning, very useful for both fields.

The cost is 625 Euros (Early Registration) and includes lodging. Registration forms are available at:
http://samosweb.aegean.gr/idips2016/

The due date for early registration is 30 April 2016. We look forward to seeing you or your students there.

ORGANIZING COMMITTEE
- Elisa H. Barney Smith, Boise State University, USA
- Walter Daelemans, University of Antwerp, Belgium
- Daniel P. Lopresti, Lehigh University, USA
- Ergina Kavallieratou, University of the Aegean, Greece
- Jean-Marc Ogier, Université de La Rochelle, France
- Umapada Pal, Indian Statistical Institute, India
- Athanassios Skodras, University of Patras, Greece
- Efstathios Stamatatos, University of the Aegean, Greece
- Seiichi Uchida, Kyushu University, JapanElisa Barney Smith

Text Recognition Algorithm Independent Evaluation (TRAIT 2016)

Call for Participation: TRAIT 2016
Text Recognition Algorithm Independent Evaluation (TRAIT 2016)
http://www.nist.gov/itl/iad/ig/trait-2016.cfm

NIST is organizing the Text Recognition Algorithm Independent Evaluation (TRAIT) with goals to assess the capability of text detection and recognition algorithms to correctly detect and recognize text appearing in unconstrained imagery.

The first draft of C++ API for TRAIT algorithms is now online:
http://biometrics.nist.gov/cs_links/trait/NIST_TextRec_concept_and_api_2015_10_07.pdf

NIST welcomes suggestions and comments toward improving this evaluation.
Please submit any contributions by October 30.
A revised draft will be circulated shortly thereafter.

We look forward to your participation or any additional correspondence in this regard.

Best wishes,
NIST TRAIT team
TRAIT2016@nist.gov

DRR 2016: Call for participation

Document Recognition and Retrieval (DRR)
17-18 February 2016
San Francisco, California, USA
http://drr2016.loria.fr/

Document Recognition and Retrieval (DRR) is one of the leading international conferences devoted to current research in document analysis, recognition and retrieval. The 23rd Document Recognition and Retrieval Conference will be held as part of the IS&T Electronic Imaging Symposium, and will take place on 17-18 February 2016 in San Francisco, California, USA. The conference venue and hotel will be the Hilton San Francisco Union Square.

Program available:
http://www.imaging.org/ist/conferences/ei2016/C-DRR.cfm

Job Offer: Postdocs at the Computer Vision Center (Barcelona, Spain)

Three postdoctoral Fellow Positions at the Computer Vision Center (Barcelona).
http://www.cvc.uab.es/?p=2208&lang=undefined

The project P-SPHERE, coordinated by the Universitat Autònoma de Barcelona (UAB) and with participation of UAB-CIE member centers, has received funding from the latest COFUND-2014 call. The COFUND program is part of the European Commission's Marie Sklodowska-Curie actions.

The Computer Vision Center (CVC), as part of the UAB-CIE sphere, offers 3 post-doc positions in the following research lines :
- Holistic interpretation of urban scene imagery
- Ultimate color descriptor including multiple light effects
- Human pose recovery and behavior analysis

For the position on "Holistic interpretation of urban scene imagery", of particular interest is the interplay between visual and textual content in a scene image, and to what extent such modalities can work synergistically towards urban scene imagery interpretation.

Deadline
The call will be open from November 2nd 2015 to February 2nd 2016.

For more information and to submit your application, please visit the official website.
http://www.uab.cat/psphere/

Job Offer: Internship Positions at L3i Lab (La Rochelle, France)

Two research internships are available at the L3i lab, computer science department, La Rochelle University, France.

Target students are master students or 5th year engineering students to do the internship as their graduation thesis.

The titles of the two internships are:
- "Multi-oriented Text Detection in Natural Scene Images"
- "Text and non-text segmentation of born-digital images"
The internships subjects are related to the following topics: image processing, computer vision and machine learning.

Students are supposed to have good English language skills, and at least basic knowledge about the related topics.

The internships are within the AUDINM project (Analysis and Understanding of Document Images in Network Media). AUDINM is funded by ANR (french National Research Agency).

In this project, the laboratory L3i collaborates with the NLPR laboratory in Beijing – China.

The funding is 550 Euros per month (for 6 months:1stFeb. 2016 to 31stJuly 2016).

This internship also includes an optional opportunity to spend a funded 3-month research visit to NLPR lab in Beijing (3 months at L3i and 3 months at NLPR).

For more information please see the following links:
http://l3i.univ-larochelle.fr/docrestreint.api/1413/5a79d1777aae04c2a673a99dd13df86b88c4177b/pdf/sujet8_audimn_textdetection_jmo-jcb-nn_cle82356e.pdf

http://l3i.univ-larochelle.fr/docrestreint.api/1414/41e3a3182de7ada1e5e8652730233df759401d6b/pdf/sujet9_audimn_layoutanalysis_jmo_jcb_nn_cle8c7b66.pdf

For sending applications, please send an email with your CV (and optionally a cover letter) as a single PDF file to:
jean-christophe.burie@univ-lr.fr
nibal.nayef@univ-lr.fr

2nd Int. Conf. on Natural Sciences and Technology in Manuscript Analysis

Second International Conference on Natural Sciences and Technology in Manuscript Analysis
Centre for the Study of Manuscript Cultures, Hamburg
29 February - 2 March 2016
http://www.manuscript-cultures.uni-hamburg.de/natural_sciences_2016.html

Outline of Conference
Our time witnesses increasing demand in application of modern technologies and material analysis in the manuscript studies. The second conference dedicated to natural sciences and technology in manuscript analysis continues the tradition of bringing together scholars and scientists from the fields of humanities, informatics, chemistry, physics and biology.
Also this time the conference will provide a forum for discussions on various aspects of manuscripts and presentations of new results, technologies and approaches. Contributions are solicited for original research work stressing the role of natural sciences and technology in the following areas:

- Image analysis of visual manuscript features (contours, key points, strokes, word spotting, layout analysis, deep networks for learning and classification)
- Recovering lost writing (multi-/hyper-spectral imaging, reflectance transformation imaging, X-ray fluorescence imaging, phase contrast tomography)
- Material analysis of writing material (ink fingerprinting by X-Ray fluorescence, provenance studies of papyrus, parchment, leather, paper, palm leaves, etc.)
- Cutting edge techniques

The conference will be hosted by the Centre for the Study of Manuscript Cultures (CSMC) at the University of Hamburg, participation is free.

Call for Papers
The conference will consist of invited talks, contributed talks and poster sessions. Abstracts will be reviewed by the International Advisory Board members who will make recommendations for oral or poster presentations.

Deadline for abstract submission is 27 November, 2015. Please note the instructions for authors of abstracts.

For submitting your abstracts, please use the email address manuscript-cultures[at]uni-hamburg.de

Important Dates
- 29.01.16: Deadline for conference registration
- 29.02-02.03.16: Conference

Please visit the following website for further details:
http://www.manuscript-cultures.uni-hamburg.de/natural_sciences_2016.html

CFP : DocEng: ACM Symposium on Document Engineering

DocEng 2016 : ACM Symposium on Document Engineering
Vienna, Austria
Sept. 13-16, 2016
http://doceng2016.caa.tuwien.ac.at/
The 16th ACM Symposium on Document Engineering (DocEng 2016) seeks original research papers that focus on the design, implementation,

development, management, use and evaluation of advanced systems where documents and document collections play a key role.

Authors are invited to submit original work in one of the following forms:
- Full papers describing complete works of research (up to 10 pages)
- Short papers describing smaller complete works of research or novel challenges or visions (up to 4 pages)
- Application notes/demos describing systems or tools of interest to the DocEng community (up to 4 pages)

Accepted full papers will be given an oral presentation. Short papers will be assigned to oral or poster presentation.
Application notes will have a poster presentation and/or system demonstration.

- Workshop/tutorial proposals: tutorials are by a domain expert and introduce a current topic of interest to symposium   attendees while workshops provide an informal setting in which to develop vision and exchange ideas in a specialized field of interest.

All submissions will undergo a rigorous review process considering the originality of work, the quality of research or analysis of experience, the relevance to document engineering, and quality of presentation of ideas. All full papers are eligible to win the ACM SIGWEB Best Paper Award for DocEng 2016. All student first-author papers are eligible to win the DocEng Best Student Paper Award for 2016.

All accepted papers in all above categories will be included in the DocEng proceedings and be published in the ACM Digital Library. Submissions will be through EasyChair and should adhere to the ACM SIG Proceedings format.

Symposium format
DocEng is a single track conference attended by a community of academic and industrial researchers.
It will be preceded by one day of workshops and tutorials.

Call for papers

Event/Location/Web	Event Date	Deadline (paper submission)
DRR 2016, San Francisco, USA Document Recognition and Retrieval XXIII http://drr2016.loria.fr/	February 17-18, 2016	--passed--
I.C.Nat.Sci.Tech., Hamburg, Germany Second International Conference on Natural Sciences and Technology in Manuscript Analysis http://www.manuscript-cultures.uni-hamburg.de/natural_sciences_2016.html	Feb. 29 - March 2, 2016	--passed--
DAS 2016, Santorini, Greece Int. Workshop on Document Analysis Systems http://www.primaresearch.org/das2016	April 11-14, 2016	January 15, 2016 (Short paper) EXTENDED!
ICIP 2016, Phoenix, USA Int. Conf. on Image Processing (ICIP) http://www.ieeeicip2016.org/	September 25-28, 2016	January 25, 2016
ICIAR 2016, Povoa do Varzim, Portugal Int. Conf. on Image Analysis and Recognition https://www.aimiconf.org/iciar16/	July 13-15, 2016	February 29, 2016
DocEng 2016, Vienna, Austria ACM Symposium on Document Engineering http://doceng2016.caa.tuwien.ac.at/	Sept. 13-16, 2016	March 7, 2016
ECCV 2016, Amsterdam, The Netherlands European Conference on Computer Vision http://www.eccv2016.org/	October 11-14, 2016	March 14, 2016
ICPR 2016, Cancun, Mexico Int. Conf. on Pattern Recognition http://www.icpr2016.org/site/	December 4-8, 2016	April 3, 2016
ICFHR 2016, Shenzhen, China Int. Conf. on Frontiers in Handwriting Recognition http://www.nlpr.ia.ac.cn/icfhr2016/	October 23-26, 2016	January 15, 2016: Competitions February 15, 2016: Tutorials April 30, 2016: paper submission
BMVC 2016, York, UK British Machine Vision Conference http://bmvc2016.cs.york.ac.uk/	September 19-22, 2016	May 9, 2016

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 Syed Saqib Bukhari
TC-11 and TC-10 Dataset Curators