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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 May edition TC10 newsletter, which includes information about :

- the Digital Week at La Rochelle,
  - the postdoc position at Osaka,
  - the PhD position at Barcelona
  - the invitation to sign-up for the IAPR-TC6 newsletter.
- and
- some call for papers

Follow us at twitter:

[https://twitter.com/IAPR\\_TC10](https://twitter.com/IAPR_TC10).

[Alicia Fornés](#),

IAPR-TC10 Newsletter Editor.

Digital Week at La Rochelle: "Digital Technologies and Innovation"



Thank you again for your interest in the Week of Digital Technologies and Innovation.

The organizers are unfortunately forced to postpone the event because the first week of June does not mobilize all the desired optimal number of visitors. This also means that the Challenge of young European researchers is canceled and postponed to a later date.

The Week of Digital Technologies and Innovation will take place at the end of 2014. New dates will be communicated to you as soon as possible. Different partners with the necessary communication tools and means have already offered us support to further disseminate information about the event and to organize new communication actions, making exchanges richer during the event.

It therefore seems preferable to do so in order to achieve the desired attendance.  
We apologize for the inconvenience.

Of course, we undertake to pay those of you who have already ordered train or plane tickets or hotel accommodations. We are at your disposal to deal with it as appropriate.

Please in this case contact Sarah :

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Valconum  
Université de La Rochelle  
Pôle Sciences et Technologie  
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## 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](mailto: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)
- Kathrin Berkner, Ricoh Innovations, Inc. (United States)
- Bertrand Couâsnon, Institut National des Sciences Appliquées de Rennes (France)
- Hervé Déjean, Xerox Research Ctr. Europe Grenoble (France)
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- David S. Doermann, Univ. of Maryland, College Park (United States)
- Jianying Hu, IBM Thomas J. Watson Research Ctr. (United States)
- Ergina Kavallieratou, Univ. of the Aegean (Greece)
- Christopher Kermorvant, A2iA SA (France)
- Laurence Likforman-Sulem, Telecom ParisTech (France)
- Xiaofan Lin, A9.com, Inc. (United States)
- Marcus Liwicki, Deutsches Forschungszentrum für Künstliche Intelligenz GmbH (Germany)
- Daniel P. Lopresti, Lehigh Univ. (United States)
- Umapada Pal, Indian Statistical Institute (India)
- Sargur N. Srihari, Univ. at Buffalo (United States)
- Venkata Subramaniam, IBM India Research Lab. (India)
- Kazem Taghva, Univ. of Nevada, Las Vegas (United States)
- George R. Thoma, National Library of Medicine (United States)
- Christian Viard-Gaudin, Univ. de Nantes (France)
- Berrin Yanikoglu, Sabanci Univ. (Turkey)
- Pingping Xiu, Microsoft (United States)
- Richard Zanibbi, Rochester Institute of Technology (United States)
- 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
- \* 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](mailto:utpal@isical.ac.in)

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

Marcus Liwicki: [marcus.liwicki@dfki.de](mailto:marcus.liwicki@dfki.de)

## Job Offer: PostDoc in Osaka (Japan)

A position of postdoc researcher, research assistant or associate professor in Osaka, Japan:

### 1. Project

The position is for a CREST project entitled "Development of Fundamental Technologies for Innovative Use of Character/Document Media and Their Application to Creating Human Harmonized Information Environment".

<http://www.u-pat.org/CREST/index-e.shtml>

### 2. Position

A position of postdoc or research assistant professor / associate professor is available at Osaka Prefecture University, which may be modified upon request.

### 3. Period of employment

One year, which can be extended every year until March 2016 based on the evaluation.

### 4. Eligibility

Applicants should have had or expect to have a Ph.D degree in computer science or other related areas. We are looking for applicants who have experiences in human computer interaction, pattern recognition and computer vision, and/or who can work on a research on understanding a person through reading activity analysis. The programming skill of C/C++ is necessary to do the research.

### 5. Place of work

Osaka Prefecture University

1-1 Gakuencho, Naka, Sakai, Osaka, 599-8531, Japan

### 6. Salary

It is about 6.5 million JPY for one year (46k EUR / 65K USD), though it depends on the experience and achievements of an applicant.

### 7. Closing date of application

2 June, 2014.

### 8. Documents to be submitted

- (1) CV (picture of the applicant, contact address and phone number, email, academic and employment records, reward and punishment)
- (2) List of publications (journal papers, conference papers, books, patents)
- (3) Reprints of representative papers (up to three)
- (4) Summary of research experiences and future directions (in total up to 3 pages)
- (5) Letters of recommendations (from two persons)

### 9. Address to send the documents via email to

Prof. Koichi Kise

[kise@cs.osakafu-u.ac.jp](mailto:kise@cs.osakafu-u.ac.jp)

The maximum size is 5MB.

## Job Offer : PhD Position in Barcelona (Spain)

## **Open PhD Studentship in Reading Systems**

### **The Position**

The Computer Science department of the Universitat Autònoma de Barcelona (UAB), is offering a 3 year PhD studentship on Reading Systems. The position is linked to the Document Analysis Group at the Computer Vision Centre, UAB. The aim of the project is to devise efficient camera based methods for robust reading and unrestricted document understanding with the purpose of integrating such methods to mobile platforms. Of particular interest will be exploring the use of such methods as enabling technologies for next generation interfaces linking the physical and the digital counterparts of documents.

Candidates must accredit that they hold a university qualification, EHEA university qualification of at least 300 ECTS credits, or a university-awarded Master degree or equivalent, or be able to accredit this at the time of signing the contract. Candidates cannot already hold a doctoral degree.

The duration of the position is 3 years (36 months). The grant includes a studentship at the rate of €14.391,63 gross, per annum, payable in 12 monthly instalments, as well as the cost of PhD registration fees. The foreseen starting date of the studies is October, 1st 2014.

### **Workplace**

The successful candidate will join the Document Analysis Group (<http://dag.cvc.uab.es/>) at the Computer Vision Centre (<http://www.cvc.uab.es/>). The Computer Vision Centre is an internationally renowned centre devoted to research and applications of computer vision. The CVC counts with over 120 staff members and PhD students, and is a member of the Catalan Association of Research Centres (CERCA) and one of the recognised centres TECNIO of the Catalan government.

The Document Analysis Group comprises more than 20 researchers active on various aspects of document analysis (historical DIAR, administrative DIAR, robust reading, document interfaces, graphical documents, structural pattern recognition). The group counts with 15 years of experience, and is one of the largest document analysis groups in the world.

The thesis will be supervised by Dr Dimosthenis Karatzas (<http://www.cvc.uab.es/~dimos/>).

### **Applicant Profile**

Applicants should possess university qualifications of at least 300 ECTS credits or equivalent. We are looking for students who have recently completed or expect very soon to complete a MSc or equivalent degree in computer science, electrical/electronic engineering, applied mathematics, applied physics, or a related discipline. Experience in some or all of the following or related fields will be highly valued: signal processing, image processing, computer vision, machine learning, and pattern recognition.

The successful applicant will have:

- good programming skills
- curiosity and analytical skills
- the ability to work in a multi-disciplinary team
- motivation to meet deadlines
- an affinity with the relevant social science research
- good oral and written communication skills
- an interest in communicating their research results to a wider audience
- proficiency in English

### **Further Information**

For further information about the position, please contact Dr. Dimosthenis Karatzas ([dimos@cvc.uab.es](mailto:dimos@cvc.uab.es))

Official call: [http://dcc.uab.es/sites/default/files/CallBeques2014\\_DCC.pdf](http://dcc.uab.es/sites/default/files/CallBeques2014_DCC.pdf)

### **Application Procedure**

Interested candidates should send an e-mail to: [d.ciencies.computacio@uab.cat](mailto:d.ciencies.computacio@uab.cat) attaching the following

documentation:

- A copy of the DNI or passport
- Curriculum Vitae
- An academic transcript
- A copy of the official certificate of the university degree
- A letter of application which should summarise :
  - (i) why the applicant wants to do a PhD,
  - (ii) why the project is of interest to the applicant,
  - (iii) evidence of suitability, and
  - (iv) what the applicant hopes to gain from the position.

The deadline for receiving applications is **June 5, 2014**.

## IJDAR: Special Issue on Robust Reading (repost)

Call for Papers: Special Issue on Robust Reading

**International Journal on Document Analysis and Recognition**

### Aims and Scope

Document Image Analysis (DIA) was established to address the need for the automated analysis of scanned paper documents, but has evolved to incorporate a great variety of text containers including digital-born (Web and email) images, scene images, and video sequences. These types of text containers introduce a range of new challenges for document image analysis, stemming from perspective distortions, a large variety of fonts and backgrounds, anti-aliasing, and compression artefacts.

Addressing the need of reading textual content in such domains entails a paradigm shift in the document analysis field that calls for a change in the definition of "document" to include complex unconstrained text containers, as opposed to the traditional scanned paper document. The IJDAR Special Issue on Robust Reading invites original work on topics related to the detection, extraction and recognition of textual content in such complex unconstrained text containers.

### Topics of Interest

The list of topics includes but is 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

### Submission Process

Authors are encouraged to submit high-quality, original work that has neither appeared in, nor is under consideration by, other journals. All submissions will be peer reviewed subject to the standards of the journal. Manuscripts based on previously published conference papers must be extended substantially. Manuscripts should be submitted to: <http://www.editorialmanager.com/ijda/>

All submissions are strictly limited to 15 pages in IJDAR format. Detailed instructions are available on the IJDAR website. Please select "S.I.: Robust Reading" in the menu "Choose Article Type" after clicking on "Submit new manuscript".



The submission site will open on 1st May, 2014.

### **Important Dates**

- Paper submission (hard deadline) : 01 Jun 2014
- First notifications : 01 Aug 2014
- Submission of revised papers : 01 Oct 2014
- Acceptance notifications : 01 Nov 2014
- Camera ready papers due : 15 Nov 2014
- Issue published : Mar 2015

### **Guest Editors**

- Faisal Shafait, The University of Western Australia, Australia ([faisal.shafait@uwa.edu.au](mailto:faisal.shafait@uwa.edu.au))
- Dimosthenis Karatzas, Computer Vision Centre, Spain ([dimos@cvc.uab.es](mailto:dimos@cvc.uab.es))
- Seiichi Uchida, Kyushu University, Japan ([uchida@ait.kyushu-u.ac.jp](mailto:uchida@ait.kyushu-u.ac.jp))
- Masakazu Iwamura, Osaka Prefecture University, Japan ([masa@cs.osakafu-u.ac.jp](mailto:masa@cs.osakafu-u.ac.jp))

## **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/>

## Call for papers

Event/Location/Web	Event Date	Deadline (paper submission)
IPCV 2014: Las Vegas, USA Int.Conf. Image Processing, Computer Vision, and Pattern Recognition <a href="http://www.worldacademyofscience.org/worldcomp14/ws/conferences/ipcv14">http://www.worldacademyofscience.org/worldcomp14/ws/conferences/ipcv14</a>	July 21-24, 2014	June 2, 2014
ACCV 2014: Singapore Asian Conference on Computer Vision <a href="http://www.accv2014.org/">http://www.accv2014.org/</a>	November 1-5, 2014	June 20, 2014
IWRR 2014: Singapore Int. Workshop on Robust Reading <a href="http://imlab.jp/iwrr2014/">http://imlab.jp/iwrr2014/</a>	November 1-2, 2014	September 12, 2014
DRR 2014: San Francisco, USA Document Recognition and Retrieval <a href="http://nlp.cs.byu.edu/drr2015">http://nlp.cs.byu.edu/drr2015</a>	February 11- 12, 2015	July 14, 2014
CVPR 2015: Boston, USA Computer Vision and Pattern Recognition <a href="http://www.pamitc.org/cvpr15/">http://www.pamitc.org/cvpr15/</a>	June 8-10, 2015	November 14, 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

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