

In This Issue



- Invitation to Sign Up for the IAPR-TC6 newsletter
- ICFHR 2014: Competitions
- IDIPS2014 Summer School
- Digital week at La Rochelle (France)
- Job offer: Researcher in Document Analysis (Spain)
- IJDAR articles alert
- IJDAR: Special Issue on Robust Reading
- ImageCLEF 2014: Call for participation
- Academic Torrents
- Call for papers
- Call for Datasets

{unsubscribe}Unsubscribe{/unsubscribe}

**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 March edition TC10 newsletter, which includes, among others :

- information about the ICFHR competitions,
  - the Digital Week,
  - the IJDAR Special Issue,
- and
- the invitation to sign Up for the IAPR-TC6 newsletter.

Follow us at twitter:

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

[Alicia Fornés](#), IAPR-TC10 Newsletter Editor.

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 submission deadline: March 14, 2014
- AFHA 2014 submission deadline: May 1, 2014
- \* 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)

## ICFHR 2014: Announcement of Competitions



### **The 14th International Conference on Frontiers in Handwriting Recognition (ICFHR 2014)**

Hersonissos, Crete Island, Greece

1-4 September 2014

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

### **COMPETITIONS**

#### **1. Competition on Handwritten Digit String Recognition in Challenging Datasets**

Organizers: Robert Sablatnig, Markus Diem, Stefan Fiel, Florian Kleber, et al.

Competition URL: <http://www.orand.cl/en/icfhr2014-hdsr/>

#### **2. Handwritten Text Recognition on a tranScriptorium Dataset (HTRtS)**

Organizers: Joan Andreu Sánchez, Verónica Romero, Alejandro H. Toselli, Enrique Vidal

Competition URL: <http://www.transcriptorium.eu/~htrcontest/>

#### **3. Competition on Recognition of Handwritten Mathematical Expressions (CROHME)**

Organizers: Harold Mouchère, Christian Viard-Gaudin, Richard Zanibbi, Utpal Garain

Competition URL: <http://www.isical.ac.in/~crohme/index.html>

#### **4. 1st Edition of the Arabic Writer Identification Competition using AHTID/MW and KHATT Databases**

Organizers: Fouad Slimane, Sameh Awaida, Anis Mezghani, Mohammad Tanvir Parvez, et al.

Competition URL: <http://www.ifn.ing.tu-bs.de/news/icfhr2014/>

#### **5. ANWRESH-2014 – Competition on Word Recognition from Segmented Historical Documents**

Organizers: Shawn Reid, Jack Reese and Michael Murdock

Competition URL: <http://collections.Ancestry.com/ANWRESH-2014>

## 6. Handwritten Document Image Binarization Competition (H-DIBCO 2014)

Organizers: Konstantinos Ntirogiannis, Basilis Gatos, Ioannis Pratikakis

Competition URL: <http://users.iit.demokritos.gr/~kntir/HDIBCO2014/>

## 7. Handwritten Keyword Spotting Competition (H-KWS 2014)

Organizers: Ioannis Pratikakis, Konstantinos Zagoris, Basilis Gatos, et al.

Competition URL: <http://vc.ee.duth.gr/h-kws2014/>

## IDIPS2014 Summer School

2nd International Document Image Processing Summer School (IDIPS2014)

Fourni Island, Greece - May 26-30, 2014

<http://samosweb.aegean.gr/idips2014/>

Sponsoring TCs: IAPR TC10 & IAPR TC11

After the successful first Summer School on Document Image Processing (IDIPS2013), (<http://www.iapr.org/docs/newsletter-2013-03.pdf>, pages 13-14) the second Summer School on Document Image Processing (IDIPS2014) aims to provide both an objective overview and an in-depth analysis of the state-of-the-art of the Document Analysis Systems (DAS) and their current open issues. The courses will be delivered by world-renowned researchers in the field and relevant companies, covering both theoretical and practical aspects of real problems of Document Analysis Systems, as well as examples of successful applications. This year, the school aims to provide an attractive opportunity for 40 young researchers, post-graduate and PhD students. The participants will benefit from direct interaction and discussions with the renowned speakers and practice on real problems.

The Summer School registration (300 Euros IAPR members - 400 Euros other) will cover attendance, dinners, coffee breaks, social events and transfer from Samos airport and back.

The accommodation, in special offers for the Summer School, starts from 15 euro per room & night (<http://samosweb.aegean.gr/idips2014/index.php/accomodation>).

### Important Dates

- APPLICATION: April 30, 2014 or up to 40 persons (no extension possible)
- Acceptance Notification: 10 days after the application
- Local Arrangements Information available by: 15 May 2014
- Summer School: 26-30 May 2014



## Digital Week at La Rochelle (France)

The **Valconum association** [1] and the **University of La Rochelle** [2] organize the first "week of digital content and innovation" which will be held in La Rochelle from the **2nd to the 6th of June 2014**. This week will host academic, industrial and public administration actors to discuss and exchange about hot topics like mobility, security, big data, cultural heritage...

This event aims to generate collaborative projects between private companies, public authorities in the area of dematerialization and enhancement of digital contents.

The week is structured as follows :

- Monday, 2nd of June: digital cultures «disciplinary interactions»

- Thursday, 3th of June : digital administration «an asset of modernization for organizations»
- Wednesday, 4th of June: companies, research laboratories and institutions gathering  
«collaborative innovation projects between companies and laboratories to create and to succeed»
- Thursday and Friday 5th and 6th of June: Expertise of the European research «perspectives and added value for companies»

The two last days (Thursday and Friday 5th and 6th of June), are aimed to the scientific community and companies in the area of dematerialization/digitization and digital content enhancement.

You will find more information on the event's web site [3].

[1] <http://www.valconum.fr>

[2] <http://www.univ-lr.fr>

[3] <http://sni2014.univ-lr.fr>

## Job offer: Researcher in Document Analysis (Spain)

**Application deadline:** 21/03/2014

**Location:** ES (Cerdanyola del Vallès, Barcelona)

**Employer:** Icar Vision Systems

[www.icarvision.com](http://www.icarvision.com)

Icar Vision Systems is seeking a Researcher in Document Analysis, who will work in the Research Area to develop new technologies for identifying, reading and authenticate ID documents and passports from images acquired from a wide range of devices, from flat-bed scanners to mobile devices, and the specialized scanner IDBox.

Candidates should have (or going to have in a very near future) a PhD in Computer Vision, preferably in Document Analysis. Knowledge on Machine Learning, Document Layout Analysis, Grammars and OCR will be an advantage.

To be incorporated as soon as possible to a full-time, permanent position, with a probationary period of six months.

Closing date for applications: 21 March 2014

For informal inquiries please contact Dr. Cristina Cañero (email: [cristina@icarvision.com](mailto:cristina@icarvision.com)),

or send CV and presentation letter to apply.

## IJDAR articles alert

### Volume 17, Issue 1

<http://link.springer.com/journal/10032/17/1/page/1>

- Large scale document image retrieval by automatic word annotation

*K. Pramod Sankar, R. Manmatha, C. V. Jawahar*

- Text recognition in multimedia documents: a study of two neural-based OCRs using and avoiding character segmentation

*Khaoula Elagouni, Christophe Garcia et al.*

- A keyword retrieval system for historical Mongolian document images

*Hongxi Wei, Guanglai Gao*

- Interactive handwriting recognition with limited user effort

*Nicolás Serrano, Adrià Giménez, Jorge Civera et al.*

- Integrating vocabulary clustering with spatial relations for symbol recognition

*K. C. Santosh, Bart Lamiroy et al.*

- Discrimination of similar characters using nonlinear normalization based on regional importance measure

*Sangjin Ryu, In-Jung Kim*

- An over-segmentation method for single-touching Chinese handwriting with learning-based filtering

*Liang Xu, Fei Yin, Qiu-Feng Wang et al.*

We encourage researchers to send the link to any relevant article related to graphics recognition to:

[afornes@cvc.uab.es](mailto:afornes@cvc.uab.es)

## 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

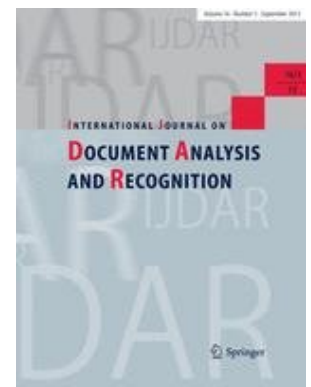
#### **Submission Process**

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))

## ImageCLEF 2014: Call for participation (repost)

Dear colleagues,

Considering your research areas, we cordially invite you to participate in the ImageCLEF 2014. This year, we propose four interesting tasks: Robot Vision, Scalable Concept Image Annotation, Liver CT Annotation and Domain Adaptation. In these tasks, you can compare your algorithms against worldwide participations using the newest and more complex datasets.



All the tasks have just started, the datasets have been released, and now the competition is ready to start with your contributions. All the challenge information is available at: <http://imageclef.org/2014>

ImageCLEF 2014 is part of the CLEF 2014 Labs and will organize the following four main tasks:

- Robot Vision
- Scalable Concept Image Annotation
- Liver CT Annotation
- Domain Adaptation

These tasks will benchmark the challenging task of image annotation for a wide range of source images and annotation objective, such as general multi-domain images for object or concept detection, as well as domain-specific tasks such as visual-depth images for robot vision and volumetric medical images for automated structured reporting. The tasks address different aspects of the annotation problem and are aimed at supporting and promoting the cutting-edge research addressing the key challenges in the field, such as multi-modal image annotation, domain adaptation and ontology driven image annotation. The lab is envisioned to serve as a benchmark for the aforementioned research fields.

### SCHEDULE

Each of the tasks sets its own schedule, so please check the corresponding task webpage for specific dates. A (tentative) global schedule can be found below:

- 01.11.2013: registration opens for all ImageCLEF tasks
- 15.11.2013: development data release starts (depends on the task)
- 15.03.2013: test data release starts (depends on the task)
- 01.05.2014: deadline for submission of runs by the participants (depends on the task)
- 01.06.2014: release of processed results by the task organizers (depends on the task)
- 15.06.2014: deadline for submission of working notes papers by the participants
- 15.-18.09.2014: CLEF 2014, Sheffield, UK

Remember that you can follow ImageCLEF :

- on Facebook: <https://www.facebook.com/pages/Imageclef/106932209431744>

and

- Twitter: <https://twitter.com/imageclef>

For any doubt, please contact Jesus Martinez: [Jesus.Martinez@uclm.es](mailto:Jesus.Martinez@uclm.es).

Best regards,

Jesus Martinez

## Academic Torrents

Sharing data is hard. Emails have size limits, and setting up servers is too much work.

We've designed a distributed system for sharing enormous datasets - for researchers, by researchers.

The result is a scalable, secure, and fault-tolerant repository for data, with blazing fast download speeds.

<http://academictorrents.com/>

## Call for papers

Event/Location/Web	Event Date	Deadline (paper submission)
S+SSPR 2014: Joensuu, Finland Statistical Techniques in Pattern Recognition Structural and Syntactic Pattern Recognition <a href="http://cs.uef.fi/ssspr2014/">http://cs.uef.fi/ssspr2014/</a>	August 20-22, 2014	Journal track submission March 28, 2014
IWCF 2014: Stockholm, Sweden Int. Workshop on Computational Forensics <a href="http://www.isical.ac.in/~iwcf2014">http://www.isical.ac.in/~iwcf2014</a>	August 24, 2014	March 31, 2014
ICIAR 2014: Algarve, Portugal Int.Conf. on Image Analysis and Recognition <a href="http://www.aimiconf.org/iciar14">http://www.aimiconf.org/iciar14</a>	October 22-24, 2014	May 5, 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

## Call for participation in Summer Schools

Event/Location/Web	Event Date	Deadline (paper submission)
International Document Image Processing Summer School <a href="http://samosweb.aegean.gr/idips2014/">http://samosweb.aegean.gr/idips2014/</a>	May 26-30, 2014	April 30, 2014
International Computer Vision Summer School, Sicily <a href="http://svg.dmi.unict.it/icvss2014/">http://svg.dmi.unict.it/icvss2014/</a>	July 13-19, 2014	March 31, 2014

# IWCF 2014: Call for Papers

## **Sixth IAPR International Workshop on Computational Forensics (IWCF)**

Stockholm, Sweden

August 24, 2014

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

Organized by IAPR Technical Committee (TC-6) on Computational Forensics

Post-Proceedings will be published by Springer as an LNCS volume

### **CALL FOR PAPERS**

With the advent of high-end technology, fraudulent efforts are on rise in many areas of our daily life, may it be fake paper documents, forgery in the digital domain or copyright infringement. In solving the related criminal cases use of pattern recognition (PR) principles is also gaining an important place because of their ability in successfully assisting the forensic experts to solve many of such cases.

The workshops on Computational Forensics generally aims at addressing the theoretical and practical issues related to this field, i.e. role of PR techniques for analysing problems in forensics.

The 6th International Workshop on Computational Forensics (IWCF) will put emphasis on forged document analysis both in hardcopy and digital medium. Analysis of handwriting or signature, detection of change in original documents, writer/speaker identification and verification and copyright violation will be discussed at length. Effort is to bring the people together who are working on these issues in different areas including document and speech processing, music analysis, digital security, forensic sciences, etc. Some broad areas, though not limited to, of the workshop are:

- Detection of fake documents
- Authentication of security documents
- Change detection
- Copyright protection
- Encryption and watermarking
- Digital forensics
- Handwriting and Speech analysis
- Face, Palm, and Iris recognition

Like in the previous years, the workshop will be a place for elaborate discussion of the academic and industrial works, documenting the advances in the related field and creating mutual collaboration on related areas. Interaction among practitioners and academic researchers will receive special attention in this workshop.

### **Paper Submission**

All submissions will be fully peer reviewed. The post-proceedings, which will include accepted papers and posters, will be published by Springer as an LNCS volume.

Full details on the preparation of submissions can be found on the conference web site:

<http://www.isical.ac.in/~iwcf2014/submission>

### **Submission Dates**

- Paper Submission deadline: March 31, 2014
- Notification of acceptance: April 21, 2014
- Camera-ready submission and Early-bird registration: May 21, 2014
- Submission deadline for post-conference proceedings: October, 2014

### **Shared task/competition**

The IWCF 2014 Recognition of Android Malware Patterns (RAMP) competition aims to strengthen the efforts in developing techniques, tools and algorithms analysis of Android malwares. The task has been configured as a pattern



analysis based problem. Therefore, the competition encourages pattern recognition community to come up with out of the box and innovative solutions for malware analysis. The details of this competition can be found at the workshop website.

Thanks,  
Utpal Garain and Faisal Shafait, Workshop Chairs

## 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

This newsletter is sent to subscribers of the IAPR TC10 mailing list.

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

Don't want to receive these emails anymore? You can [unsubscribe](#)