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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 February edition of the TC10 newsletter.

You will find detailed information concerning ICDAR 2017: the call for papers, the accepted competitions, workshops and tutorials, as well as the call for participation to the Doctoral Consortium.

You will also find the announcement that ICFHR 2018 will be moved to Niagara falls, and information on the open positions at Uppsala University (Sweden) and Rouen (France).

Concerning our traditional GREC workshops, we are glad to include the first call for participation. As usual, GREC will be held in conjunction with ICDAR. This time, GREC 2017 will take place in Kyoto, together with other ICDAR workshops.

Follow us at twitter:

https://twitter.com/IAPR_TC10.

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

GREC 2017

12th International Workshop on Graphics Recognition (GREC)

November 10-11, 2017

Kyoto, Japan

<http://grec2017.loria.fr/>

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

subfield of document image analysis that deals with graphical entities in engineering drawings, comics, maps, architectural plans, musical scores, mathematical notation, tables, diagrams, etc.

The aim of this workshop is to maintain a very high level of interaction and creative discussions between participants, maintaining a "workshop" spirit, and not being tempted by a "mini-conference" model.

GREC 2017 will continue the tradition of past workshops held at the Penn State University (USA), Nancy (France), Jaipur (India), Kingston (Canada), Barcelona (Spain), Hong Kong (China), Curitiba (Brazil), La Rochelle (France), Seoul (Corea), Lehigh (USA) and Nancy (France).

The workshop will comprise several sessions dedicated to specific topics related to graphics in document analysis and graphic recognition. For each session, there will be an invited presentation describing the state of the art and stating the open questions for the session's topic, followed by a number of short presentations that will contribute by proposing solutions to some of the questions or presenting results of the speaker's work. Each session will be concluded by a panel discussion.

Topics

- Analysis and interpretation of graphical documents, such as: Engineering drawings, floorplans, mathematical expressions, comics, maps, music scores, patents, diagrams, charts, tables, etc.
- Recognition of graphic elements, such as symbols, logos, stamps, dropcaps, drawings, etc.
- Identification and localization of graphical mark-ups and annotations in written documents.
- Raster-to-vector techniques.
- Graphics-based information retrieval.
- Historical graphics recognition and indexing.
- Forensics (Writer identification/verification) in graphic documents.
- Description of complete systems for interpretation of graphic documents.
- Datasets and 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).
- Digital ink processing.
- Sketch recognition and understanding.
- Camera-based graphics recognition.
- Graphics recognition in born digital documents.
- Analysis of graphics on new digital interfaces.
- Graphics detection and recognition in real scenes.

Organizers

- Alicia Fornés (afornes@cvc.uab.es)
- Bart Lamiroy (bart.lamiroy@loria.fr)

More information at: <http://grec2017.loria.fr/>

Call for Summer Schools

Event/Location/Web	Event Date	Deadline (registration)
INIT/AERFAI 2017, Benicàssim, Spain Summer School on Machine Learning http://www.init.uji.es/school2017/	June 26-30, 2017	May 20, 2017 (Early registration)
VISUM 2017, Porto, Portugal Vision Understanding and Machine intelligence http://visum.inesctec.pt/	July 7-14, 2017	March 6, 2017

ICVSS 2017, Sicily, Italy

July 9-15, 2017

March 31, 2017

International Computer Vision Summer School

<http://iplab.dmi.unict.it/icvss2017/>

ICDAR 2017 call for papers

ICDAR 2017 - The 14th IAPR International Conference on Document Analysis and Recognition

Kyoto, Japan

November 10-15, 2017

<http://www.iapr.org/icdar2017/>

The 14th IAPR International Conference on Document Analysis and Recognition (ICDAR 2017) is the premier international forum for researchers and practitioners in the document analysis community. The accepted papers will be published by IEEE Computer Society's Conference Publishing Services (CPS) and included in IEEE Xplore Digital Library.

Topics of Interest

include, but not limited to:

- Character Recognition
- Handwriting Recognition
- Graphics Recognition
- Document Image Analysis
- Document Understanding
- Document Analysis Systems
- Document Processing
- Camera-based Document Processing
- Document Databases and Digital Libraries
- Mining Document Image Collections
- Multimedia Documents and Internet Documents
- Document Forensics
- Historical Documents
- Segmentation and Restoration
- Sketching Interfaces
- Performance Evaluation
- Camera and Scene Text Understanding
- Machine Learning for Document Analysis
- Human-Document Interaction
- Language and Script in Document Understanding
- Novel Applications

Submission and Review

ICDAR 2017 will follow a double blind review process. Authors should not include their names and affiliations anywhere in the manuscript. Authors should also ensure that their identity is not revealed indirectly by citing their previous work in the third person, and omitting including acknowledgements until the camera-ready version.

Paper format and length

Papers accepted for the conference will be allocated 6 pages in the proceedings, with the option of purchasing up to 2 extra pages for JPY 10,000 per page. This will have to be paid after paper acceptance and at the time of registration. The length of the submitted manuscript should match that intended for final publication. Therefore, if you are unwilling or unable to pay the extra charge you should limit yourself to 6 pages. Otherwise the page limit is 8 pages.

Organization

- *Honorary Chairs*

Prof. Kazuhiko Yamamoto (Gifu University, Japan)

Prof. Masaki Nakagawa (Tokyo University of Agriculture and Technology, Japan)

- *General Chair*

Koichi Kise (Osaka Prefecture University, Japan)

- *Executive Co-Chairs*

Shinichiro Omachi (Tohoku University, Japan)

Seiichi Uchida (Kyushu University, Japan)

Masakazu Iwamura (Osaka Prefecture University, Japan)

- *Program Committee Chairs*

C.V. Jawahar (IIIT Hyderabad, India)

Daniel Lopresti (Lehigh University, USA)

Dimothenis Karatzas (CVC, Spain)

- *Workshop Chairs*

Michael Blumenstein (Griffith University, Australia)

Umapada Pal (Indian Statistical Institute, India)

- *Competition Chairs*

Jean-Marc Ogier (University of La Rochelle, France)

Marcus Liwicki (DFKI, Germany & University of Fribourg, Switzerland)

- *Tutorial Chairs*

Simone Marinai (University of Florence, Italy)

Josep Lladós (CVC, Spain)

- *Publication Chairs*

Wataru Ohyama (Mie University, Japan)

Kengo Terasawa (Future University Hakodate, Japan)

- *Publicity Chairs*

David Doermann (DARPA, USA)

Cheng-Lin Liu (Chinese Academy of Sciences, China)

Gernot Fink (TU Dortmund University, Germany)

Tomo Miyazaki (Tohoku University, Japan)

- *Sponsorship Chairs*

Andreas Dengel (DFKI, Germany)

Hisashi Ikeda (Hitachi, Japan)

- *Finance Chair*

Masakazu Iwamura (Osaka Prefecture University, Japan)

Important Dates

- Submission Deadline: March 15, 2017
- Acceptance Notification: July 1, 2017
- Camera Ready Papers Due: August 15, 2017

Inquiry

icdar2017-inquiry@m.cs.osakafu-u.ac.jp

ICDAR 2017: Workshops and Tutorials

Nine workshops and three tutorials will be offered at ICDAR 2017. You can find the names and organizers for each below. Please direct any questions to the workshop and/or tutorial chairs (contact information is provided below).

Workshops

- **HDI 2017**: First International Workshop on Human-Document Interaction
Jean-Christophe Burie, Mickaël Coustaty, Dimosthenis Karatzas and Koichi Kise
- **CBDAR 2017**: 7th International Workshop on Camera-Based Document Analysis and Recognition
Lluís Gomez-Bigorda, Muhammad Muzzamil Luqman and Dimosthenis Karatzas
- **MANPU 2017**: 2nd International Workshop on coMics Analysis, Processing and Understanding

Jean-Christophe Burie, Toshihiko Yamasaki and Motoi Iwata

- **WML ICDAR**: Workshop on Machine Learning
Umapada Pal and Eric Granger
- **HIP 2017**: 4th International Workshop on Historical Document Imaging and Processing
Andreas Fischer, Angelika Garz, Kengo Terasawa and Bill Barrett
- **IWCDF 2017**: 1st International Workshop on Computational Document Forensics
Jean-Marc Ogier, Utpal Garain and Apostolos Antonacopoulos
- **ICDAR-OST**: 1st International Workshop on Open Services and Tools for Document Analysis
Marcel Würsch and Joseph Chazalon
- **GREC**: 12th International Workshop on Graphics Recognition
Alicia Fornés and Bart Lamiroy
- **MOCR**: 6th International Workshop on Multilingual OCR
Venu Govindaraju, Prem Natarajan, Santanu Chaudhury and Srirangaraj Setlur

Tutorials

Each of tutorial will last half a day.

- **RTRS**: Building a Robust Text Reading System for Unconstrained Scene Images
Zhizhong Su and Chengquan Zhang
- **GMPRDIA**: Graph-based Methods in Pattern Recognition and Document Image Analysis
Anjan Dutta, Muhammad Muzzamil Luqman, Josep Lladós Canet, Jean-Marc OGIER
- **WS**: Word Spotting: From Bag-of-Features to Deep Learning
Gernot A. Fink

Contacts

MICHAEL BLUMENSTEIN and UMAPADA PAL, ICDAR 2017 WORKSHOP CHAIRS
(Michael.Blumenstein@uts.edu.au, umapada@isical.ac.in)

SIMONE MARINAI and JOSEP LLADOS, ICDAR 2017 TUTORIAL CHAIRS
(simone.marinai@unifi.it, josep@cvc.uab.es)

ICDAR 2017: Competitions

Dear Colleagues,

We are pleased to announce that the ICDAR'17 that will be held in Kyoto(November, 10th-15th) will organize a set of competitions dedicated to a large set of document analysis problems. You are cordially invited to participate in this scientific event that will be a very good opportunity to objectively compare the quality of algorithms in different categories of challenges.

PLEASE CONSIDER SUBMITTING YOUR ALGORITHM(S) TO ALL COMPETITIONS IN THE SAME CATEGORY, as we asked the individual competition organizers to synchronize their evaluation metrics, if possible. You will find below the different categories of competitions, and the URL of their respective website, that will allow you to get all the required information for participating.

CATEGORY : HANDWRITTEN HISTORICAL DOCUMENT LAYOUT RECOGNITION

- Competition on Baseline Detection in Archival Documents :
<https://scriptnet.iit.demokritos.gr/competitions/5/>
- Competition on Layout Analysis for Challenging Medieval Manuscripts :
<http://diuf.unifr.ch/main/hisdoc/icdar2017-hisdoc-layout-comp>
- Competition on Historical Book Analysis :
<http://icdar2017hba.litislabs.eu>

CATEGORY : HISTORICAL HANDWRITTEN SCRIPT ANALYSIS

- Competition on the Classification of Medieval Handwritings in Latin Script :
<http://icfhr2016-clamm.irht.cnrs.fr/icdar-2017/>
- Competition on Historical Document Writer Identification :
<http://scriptnet.iit.demokritos.gr/competitions/6/>
- Competition on Multi-script Writer Identification Using LAMIS-MSHD and CERUG Databases :
<https://icdar2017cmswi.sciencesconf.org/>

CATEGORY : CHARACTER/WORD SPOTTING

- Competition on Query-by-Example Glyph Spotting of Southeast Asian Palm Leaf Manuscript Images :
http://amadi.univ-lr.fr/ICDAR2017_Competition/
- Handwritten Keyword Spotting Competition : _TBA_

CATEGORY : HANDWRITING RECOGNITION

- Competition on Handwritten Text Recognition on the READ Dataset :
<https://scriptnet.iit.demokritos.gr/competitions/4/>
- Competition on Information Extraction in Historical Handwritten Records :
<http://www.cvc.uab.es/5cofm/competition/>

CATEGORY : DOCUMENT IMAGE BINARIZATION

- Document Image Binarization Competition :
<https://vc.ee.duth.gr/dibco2017/>

CATEGORY : DOCUMENT RECOGNITION (LAYOUT ANALYSIS & TEXT RECOGNITION)

- Competition on Recognition of Documents with Complex Layouts :
<http://www.primaresearch.org/RDCL2017/>
- Competition on Early Indian Printed Documents :
<http://www.primaresearch.org/REID2017/>
- Competition on Page Object Detection in Document Images :
http://www.icst.pku.edu.cn/cdp/ICDAR2017_PODCompetition/index.html

CATEGORY : DOCUMENT DOCUMENT RECONSTRUCTION

- Smartphone-captured Document Image Reconstruction from Multiple Views : <http://smartdoc.univ-lr.fr>

CATEGORY : POST OCR CORRECTION

- Competition on Post-OCR Text Correction :
<http://l3i.univ-larochelle.fr/ICDAR2017PostOCR>

CATEGORY : ROBUST READING COMPETITIONS

- Competition on Reading Chinese Text in the Wild :
<http://mclab.eic.hust.edu.cn/icdar2017chinese/>
- Challenge on COCO-Text :
<http://rrc.cvc.uab.es/?ch=5>
- Challenge on Text Extraction from Biomedical Literature Figures :
<http://prir.ustb.edu.cn/DeTEXT/ICDAR2017Competition/>
- Challenge on Robust Reading Challenge on Omnidirectional Video :
<http://rrc.cvc.uab.es/?ch=7>
- Competition on Multi-lingual scene text detection and script identification ([call for participation](#)):
<http://rrc.cvc.uab.es/?ch=8>

CATEGORY : TEXT IN VIDEO

- Competition on Arabic Text Detection and Recognition in Multiresolution Video Frames- ActiVComp'17 :
<http://diuf.unifr.ch/diva/ActiVComp/index.html>
- Competition on Video Script Identification : TBA

CATEGORY : FORENSICS

- Competition on File Type and Altered Image Identification :
<http://icsdweb.aegean.gr/icdar2017>

CATEGORY : MISCELLANEOUS COMPETITIONS

- Competition on Multi-font and Multi-size Digitally Represented Arabic Text :
<http://diuf.unifr.ch/diva/APTI/competitionICDAR2017.html>

Looking forward to meeting you in Kyoto,

Kind regards,

MARCUS LIWICKI & JEAN-MARC OGIER

ICDAR Doctoral Consortium

In 2011, the first Doctoral Consortium in the Document Analysis community was organized in conjunction with the International Conference on Document Analysis and Recognition (ICDAR). This has led to successful successor events at ICDAR 2013 and ICDAR 2015. The tradition of having a Doctoral Consortium as a satellite event to the ICDAR main conference will further be continued at ICDAR 2017 in Kyoto, Japan.

The goal of the ICDAR 2017 Doctoral Consortium is to create an opportunity for Ph.D. students to test their research ideas, present their current progress and future plans, and receive constructive criticism and insights related to their future work and career perspectives. A mentor (a senior researcher who is active in the field) will be assigned to each student to provide individual feedback. In addition, students will have the opportunity to present an overview of their research plan during a special poster session.

Participation in the ICDAR 2017 Doctoral Consortium will be limited to 25 students. Prospective participants are encouraged to submit their application by July 15 (submission procedure to be announced). The Doctoral Consortium Chairs will then review all applications received. Preference will be given to students who are at a stage in their studies most likely to benefit (i.e., they have identified a research direction and published some initial results, but the thesis is not yet set in stone).

Participation to the Doctoral Consortium will be free for all accepted students, i.e., there will be no extra registration fees!

The ICDAR 2017 Doctoral Consortium will take place the day before the main conference, i.e., on Sunday, November 12.

IMPORTANT DATES

- Submission deadline: July 15
- Doctoral Consortium: November 12

We are looking forward to your participation!

Alicia Fornés & Gernot A. Fink
TC-10/11 Educational Officers

ICFHR 2018: Moved to Niagara Falls, USA

After much discussion by the ICFHR 2018 conference chairs and with the approval of TC-11, the site for ICFHR 2018 has been moved from Rochester, NY (USA) to Niagara Fall, NY (USA). There are multiple reasons for this change; they include higher value for participants (e.g., better food, meeting rooms and surrounding environs) and Niagara being a more attractive meeting place for existing and potential members of the TC-11 community. The total cost to run the conference, as well as for individual participants should remain the same.

The ICFHR 2018 [Call for Papers](#) and [Conference Poster](#) are now available. Please distribute these to anyone who may be interested.

Additional information about important dates, the conference site, travel, the organizing committee, etc. may be found in the ICFHR 2018 web pages. <https://www.cs.rit.edu/~icfhr2018/>

RICHARD ZANIBBI, TC-11 COMMUNICATIONS OFFICER

Open positions at Uppsala Universit (Sweden)

Open positions in Handwritten Text Recognition at Uppsala University

We are seeking persons who would like to work in the area of handwritten text recognition. The positions would allow you to work with machine learning algorithms on high performance computers. We are seeking one postdoc and one PhD student that would like to work in an interesting and expanding research environment.

Postdoc position

<http://www.uu.se/en/about-uu/join-us/details/?positionId=133965>

Description

http://essenceofscience.se/wp-content/uploads/2017/01/Handwritten_text.pdf

PhD position

<http://www.uu.se/en/about-uu/join-us/details/?positionId=131835>

Description

http://www.math.uu.se/digitalAssets/396/c_396868-l_1-k_hast.pdf

Please contact Anders Hast for more information: anders.hast@it.uu.se

For more information about the group, please see: <https://www.it.uu.se/research/project/q2b>

Postdoctoral Position, Rouen, France

Postdoctoral Position in Machine learning

(LITIS, Université de Rouen, France)

The Machine Learning team at LITIS (France) is opening a postdoctoral position for a candidate with a strong experience in Machine Learning, with application to one of the following topics: Speech Processing, Handwriting Processing, Computer Vision, or Document Image Processing.

The candidate will be involved in pursuing the development of Handwriting recognition and document image processing technologies to extend the PlaIR platform that was originally developed for digitizing old Newspapers (<http://www.plair.univ-rouen.fr>). New contributions of the candidate are expected regarding Handwriting Recognition (HWR), by combining deep optical models with deep language models. He will contribute with other members of the team to various research projects in this domain.

SCIENTIFIC AND TECHNICAL SKILLS

Experimented engineer or postdoctoral candidates having a strong background in one of the following topics : Neural Networks, Deep Neural Networks, Hidden Markov Models, Recurrent Neural Networks, statistical language models, computer vision.

The successful candidate should have advanced programming skills (Python, C/C++, Matlab). Experience of developing models within one of the popular frameworks such as Torch 7, TensorFlow, will be particularly appreciated.

APPLICATION

Application should include a curriculum vita, a brief statement of research interests, and the names of at least three references.

Duration: 18 months, starting as soon as possible.

Contact: Thierry Paquet (Thierry.Paquet@univ-rouen.fr)

Call for papers

Event/Location/Web	Event Date	Deadline (paper submission)
GREC 2017, Kyoto, Japan Int. Workshop on Graphics Recognition http://grec2017.loria.fr/	November 10-11, 2017	-TBD-
ICDAR 2017, Kyoto, Japan Int. Conf. on Document Analysis and Recognition http://www.iapr.org/icdar2017	November 10-15, 2017	March 15, 2017
BMVC 2017, London, UK British Machine Vision Conference http://bmvc2017.london/	Sept 4-7, 2017	May 2, 2017
ICIAP 2017, Catania, Italy International Conference on Image Analysis and Processing http://www.iciap2017.com/	Sept 11-15, 2017	March 31, 2017
GCPR 2017, Basel, Switzerland German Conference on Pattern Recognition https://gcpr2017.dmi.unibas.ch/en/	Sept 13-15, 2017	April 8, 2017
ICCV 2017, Venice, Italy International Conference on Computer Vision http://iccv2017.thecvf.com/	October 22-29, 2017	March 17, 2017
NIPS 2017, Long beach, USA International Conference on Computer Vision http://iccv2017.thecvf.com/	December 4-9, 2017	May 19, 2017

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 to 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

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