

# Call for Papers

# DIAL2006

<http://liris.cnrs.fr/dial2006>  
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2<sup>nd</sup> IEEE International Workshop on

# Document Image Analysis for Libraries

April 27-28, 2006 Lyon, France

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The rapid spread of Digital Libraries (DL) worldwide motivates research in computer vision and especially in Document Image Analysis (DIA). The DL and DIA research community share common objectives, namely to digitize paper documents and convert them into electronic formats which can be preserved, retrieved, consulted, shared, and reused. Without computer assistance, manual processing of the large quantities of available digitized documents would be expensive and time consuming. The DIA research community has developed many technologies applicable to digital libraries which are ripe to be collected, compared, and shared.

DIAL'06 will bring together DL and DIA researchers, practitioners, and users who are interested in new technologies that assist the integration of digitized documents within DLs so that, ideally, all documents that contribute to human knowledge can be easily accessed and queried using Web based search engines. The workshop will cover all technical aspects of document image processing from digitization, image restoration, text recognition, and extraction of metadata from images, through document encoding and specification of file formats for digitized documents. This workshop will also attempt to describe the state of the art, to identify urgent open problems in image analysis suited to DLs and to compile information on document digitization projects across the world.

**Topics of interest** include, but are not limited to:

- Document Image Analysis (DIA) methods useful for Digital Libraries (DLs)
- Technical reviews of digitization projects around the world
- Critical surveys of the state of the art of DLs & DIA
- Challenging open problems in the DL community requiring new DIA research strategies
- End-user requirements for document images provided via DLs
- Performance evaluation & cost of document image processing for DLs
- Automatic quality control during document image capture, modeling of document image degradation, digital image restoration, etc
- Document image enhancement (unwarping, deskewing, cropping, color & contrast improvement)
- Text segmentation and/or recognition (OCR, keyword spotting, word retrieval or recognition, text-image alignment, etc) for printed or handwritten documents
- Document layout segmentation and logical structure recognition for DL applications
- Metadata extraction and recognition from digitized documents
- Methodologies to improve accessibility and navigation within/among on-line digital libraries
- Imaging & compression standards for document preservation, analysis, etc
- Guaranteeing authenticity of document images; rights management
- File formats & representations of document images
- Methodologies for specific content: tables, graphs, mathematics, multilingual documents, etc
- Style identification (typography of printed text, handwriting style recognition for manuscript authentication or authors identification)
- Searching/querying, retrieval, summarizing/condensing of document images
- Other topics related to the retrieval of document images
- Historical document collections (medieval manuscripts, books of the Renaissance, author manuscripts, old newspapers or 'gazettes', archives, etc)
- Documents from the world cultural heritage
- Scientific, technical and educational documents for digital libraries
- Other digitized documents used by digital libraries

## Workshop format:

Two days: Thursday & Friday. Podium presentations, keynote talks, panel discussions, & breakout working groups. Single track (except working groups). 100% participation, *i.e.* every attendee will give a presentation. On-site printed Proceedings. The workshop proceedings will be published by IEEE and indexed by IEEE Xplore.

Starts immediately following the 21st ACM Symposium on Applied Computing -- Document Engineering Track, Dijon, France (<http://www.telematica.ee.ufpe.br/sac2006>).

**Deadlines** for two classes of submissions:

Regular Papers : 5-20 pages, unformatted, written in English, online submission in PDF, will be indexed by IEEE Xplore and archivally published in IEEE

Submission **December 20**; Acceptance **January 10**; Camera-ready copy **February 10**.

Abstracts of Remarks : 1-5 pages, not refereed, unpublished, brief presentation

Submission **March 20**

**Information:** <http://liris.cnrs.fr/dial2006/>

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