

DocEng 2014

September 16-19, Fort Collins, near Denver, Colorado, USA

Call for Papers

Documents are communication artifacts in any form and in any media; they can be simple or compound, static or time-varying, private or open. Document collections increasingly underpin research, education, commerce, entertainment – the full range of human activity. Document engineering covers both the innovative use of documents and document collections in real-world applications and the study of principles, tools and processes that improve our ability to create, manage, maintain, share, and productively use these.

You are invited to submit original papers to the 14th ACM Symposium on Document Engineering (DocEng 2014), to be held at the Hewlett-Packard site in Fort Collins, Colorado, USA. Attendees at this international forum have interests that span all aspects of document engineering and applications. DocEng is sponsored by ACM by means of the ACM SIGWEB Special Interest Group. Proceedings are available through the ACM Digital Library.

Important Dates

Workshop and tutorial proposals:

- proposals due: **Sunday, March 30, 2014**
- acceptance notice: **Monday, April 14, 2014**

Full papers:

- abstracts due: **extended to Sunday, April 6, 2014**
- manuscripts due: **extended to Sunday, April 13, 2014**
- acceptance notice: **Monday, May 12, 2014**

Short papers, application notes, posters:

- abstracts due: **Sunday, May 25, 2014**
- manuscripts due: **Sunday, June 1, 2014**
- acceptance notice: **Monday, June 23, 2014**

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.

Paper submission

Authors are invited to submit original work in one of the following forms:

- **Full Papers** describe complete works of research (up to 10 pages).
- **Short Papers** report on research in progress, novel challenges, visions or systems (up to 4 pages).
- **Application Notes** describing systems or tools of interest to the DocEng community (up to 4 pages)
- **Posters** reporting on research in progress (up to 2 pages).
- **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 – please see the website for more information.

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 Easy Chair and should adhere to the ACM SIG Proceedings format.

Support for Students

Students presenting their work at DocEng 2014 will be eligible to apply for SIGWEB Student Travel Awards. More information will follow in due course.

General Chair: Steve Simske (*USA*)

Program Chair: Sebastian Rönna (*Germany*)

Local Chair: Margaret Sturgill (*USA*)

Website Content Chair: Marie Vans (*USA*)

Publicity Chair: Tamir Hassan (*Austria*)

Workshop Chair: Sonja Maier (*Germany*)

Doctoral Symposium Chair: Cerstin Mahlow (*Germany*)

“Birds of a Feather” Chair: Patrick Schmitz (*USA*)

Topics relevant to the symposium include (but are not limited to):

Modeling and Representation:

- Document representation and standards including interchange standards, markup languages, style sheets, type representation, multimedia (incl. HTML-5, MPEG, SMIL, SVG)
- Metadata creation and standards, use of semantic web technologies
- Hypertext/hypermedia, distributed documents, blogs, wikis
- Linking techniques and standards, integration with other digital artifacts

Generation, Manipulation, and Presentation:

- Document authoring tools and systems
- Document presentation (typography, formatting, layout) algorithms and systems
- Automatically generated documents, automated layout and composition, variable data printing
- Adaptive, responsive documents, content customization
- Mobile platforms and documents
- Document transformation and rich-web-client models
- Document internationalization, multilingual representations

Collections, Systems, and Management:

- Collections databases and repositories, storage, indexing, retrieval, versioning, deduplication
- Enterprise content management: models and standards (CMIS), scale and performance, platforms and applications
- Digital libraries and archives, preservation systems
- Document system components: security, APIs (SAX, DOM), versioning, synchronization
- Document systems and workflows
- Management of collaboratively authored online documents

Document Analysis:

- Structure and representation analysis (layout, OCR, visual analysis) and classification
- Linguistic and semantic (content) analysis, categorization, classification, clustering
- Automatic tagging, named entity disambiguation, semantic linking
- Automatic abstract generation and metadata extraction
- Multi-lingual and cross-lingual indexing and search

User Experience:

- Navigation, search
- Usability, accessibility, readability and aesthetics
- Collaborative authoring and editing, curation and annotation
- Workflows, integration and interaction between human and automated processes
- Culture-dependent layouts

Security:

- Secure document workflows, including policy and access
- Security printing, including document identification, tagging and meta-data
- Cyber-physical document workflows, especially electronic/print options
- Embedded systems: access, workflow and security of documents on embedded devices (mobile, printing, etc.)

Applications:

- Digital humanities, digital preservation and archiving
- eBooks and digital publishing
- and all other application areas

www.doceng2014.org