



## Call for Papers – SPIRE'2014 (October 2014)

SPIRE 2014 will be the 21st edition of the International Symposium on String Processing and Information Retrieval, and will be organized by the Department of Computer Science of the Universidade Federal de Ouro Preto, in the town of Ouro Preto, Minas Gerais, Brazil. The conference will be held in conjunction with the 9th Latin American Web Congress, LA-WEB 2014. SPIRE 2014 will also feature a full day of tutorials and a full day of workshops.

Ouro Preto is located approximately 100 km from Belo Horizonte, the capital of the state of Minas Gerais in Brazil. Famous for its magnificent well-preserved Portuguese colonial architecture, Ouro Preto was the first city in Brazil to be declared World Cultural and Historical Heritage Site by UNESCO. The 18th- and 19th-century churches decorated with gold and Baroque sculptures make the city a prime tourist destination.

The scope of SPIRE includes not only fundamental algorithms in string processing and information retrieval, but also application areas such as computational biology, DNA sequencing, and Web mining. Given its interdisciplinary nature, SPIRE offers a unique opportunity for researchers from these different areas to meet and network. Because of this reason interdisciplinary papers are encouraged. Typical topics of interest include, but are not limited to:

- **String Processing:** Dictionary algorithms, Text searching, Pattern matching, Text and sequence compression, Succinct and compressed indexing, Automata-based string processing;
- **Biological Sequence Processing:** Analysis of DNA and RNA sequencing data, Molecular sequence processing, Recognition of genes and regulatory elements, Comparative genomics and population genetics;
- **Information Retrieval:** Models, Indexing, Ranking and filtering, Interface design for IR, Evaluation issues in IR, Text analysis, Text mining, Text classification and clustering, Information extraction, Language models and topic models for search related-tasks, Efficient implementation of IR systems, Algorithms and data structures for IR;
- **Search-related tasks:** Cross-lingual information retrieval, Multimedia / multi-modal IR, Recommendation and collaborative filtering, Semi-structured data retrieval, Blog retrieval.

SPIRE 2014 welcomes either long papers (12 pages) or short papers (6 pages). Additional pages might be included in an appendix for long proofs or additional results needed to support the paper, but the final outcome will not be based on it. Submissions must be anonymous and formatted using the Springer LNCS style. At least three reviewers will evaluate each paper in double-blind mode based on its originality, quality, methodological robustness, and significance of theoretical and/or practical contribution. Papers must be in English, must be unpublished, and must not be under submission to another conference or journal for the entire duration of the reviewing process. Accepted papers will appear in the Proceedings published by Springer Verlag in the Lecture Notes in Computer Science series.

**Conference Local Chairs:** Álvaro R. Pereira Jr. (UFOP) and Fabricio Benevenuto (UFMG)

### Important Dates (approximate):

	PAPERS	TUTORIALS	WORKSHOPS
Submission:	May 5, 2014	April 30, 2014	April 13, 2014
Accept/Reject notification:	June 28, 2014	June 13, 2014	May 5, 2014
Camera-Ready:	July 28, 2014	October 12, 2014	October 16, 2014