

Second Call for Papers

2nd International Workshop
**Future and Emerging Trends in Language Technology,
Machine Learning and Big Data**
FETLT16

Seville, Spain, 30th November - 1st, 2nd December, 2016
<http://www.glc.us.es/fetlt2016/>
E-mail: fetlt@us.es

We would like to focus your attention to some new information added to this CFP, namely:

- The proceedings will be published by Springer in the LNAI series;
- Confirmed list of Keynote and Invited Speakers;
- A full list of Program Committee and Advisory Group Members;
- Registration procedure is now open.

Keynote and Invited Speakers (confirmed)

- **António Branco** (University of Lisbon)
Title: To be announced
- **Nicoletta Calzolari** (ILC-CNR)
An Excursus through Policy Issues - at the Crossroads of Data, Language Resources and Infrastructure
- **Michael McTear** (University of Ulster)
The birth of the conversational interface: a new kid on the block?
- **David Pérez Fernández** (Ministry of Industry, Energy and Tourism)
Spanish Plan for the Impulse of Language Technologies
- **German Rigau** (University of the Basque Country)
Big Data for Natural Language Processing
- **Hans Uszkoreit** (Saarland University, DFKI Language Technology Lab)
Opportunities and Challenges for Language Technology in the New Era of AI
- **Philippe Wacker** (LT-Innovate)
Improving the collaboration between industry and research: offer and demand
- **Jason D. Williams** (Microsoft Research)
End-to-end deep learning of task-oriented dialog systems

We would like to cordially invite you to consider contributing a paper to FETLT16. This workshop has been conceived as a meeting point where experts and professionals in the fields of language technologies and other converging areas can discuss the state of the art, as well as the emerging trends in the sector.

Language technologies have become a prominent area of research, development and innovation. New trends and proposals in this field will have an impressive social impact in the near future. Therefore, the workshop will welcome contributions describing results and ongoing projects exploring new tendencies, techniques and approaches. Among them, we would like to place a special emphasis on the convergence between Language Technologies, Machine Learning and Big Data.

Important dates

Paper submission deadline	21st August 2016
Acceptance notification	10th October 2016
Early Registration Deadline	20th October 2016
Paper final version submission	20th October 2016
Workshop dates	30th November, 1st - 2nd December 2016

Scope

The Workshop 'Future and Emerging Trends in Language Technology, Machine Learning and Big Data' has been conceived as a meeting point where experts and professionals in the fields of language technologies and other converging areas will discuss the state of the art, as well as the emerging trends in the sector. The main objective of this workshop is to serve as a bridge between academia and industry, as well as representatives of agencies that coordinate research and innovation policies. The workshop thus guarantees a multidisciplinary common spirit in which experts will be able to present and analyze the trends that will shape the immediate future as well as the mid-term vision in this sector.

Following this approach, the organizing committee of the workshop welcomes the reception of papers under the following categories:

- **NEW APPLICATIONS OF KEY CONSOLIDATED APPROACHES:** Authors can submit their paper on new strategies, models and consolidated techniques at the academic or industrial levels that are being used right now to tackle any issue in the field of Language Technology, as well as in the interconnection of this field with Machine Learning and Big Data. Papers under this category must provide a brief explanation of the foundations of the approaches proposed and the areas and applications for which those techniques are useful in the present.
- **EMERGING RESEARCH:** Authors can submit their paper under this category when they have preliminary results obtained from ongoing research projects. Papers must describe the motivation of the approach, as well as the scientific, methodological and/or technological approach chosen. Papers must also analyze the advantages and benefits derived from such approaches for a broad application in the field of Language Technology, and the rest of convergent areas related to it.

- **CHALLENGE PAPERS:** Authors can submit a paper on different fields and convergent areas related to Language Technology describing the occurrence of new and constant challenges for both the academic and industrial areas. These papers must indicate which areas and specific problems are currently posing a concrete technological and/or methodological challenge. Papers under this category must include the reasons why present-day techniques should be considered insufficient to tackle the issues at hand by the presentation of preliminary research/development results as a justification. Additionally, articles in this section should propose research strategies that can be considered promising to provide sound solutions to the problems defined, with a solid and clear scientific and technical argumentation.

List of topics

Topics should be related to any area of Speech and Text Technology, including those studies that can be considered coming from convergent areas or even industrial applications.

Topics of interest include, but are not restricted to:

- **Core areas of interest:**

- *Speech Recognition*
 - Voice search
 - Quality of speech recognition
 - Disfluency processing
 - Speaker identification
- *Forensic linguistics*
- *Voice-enabled Personal Assistants*
- *Semantics and ontologies*
- *Information Retrieval, Information Extraction, Text Mining and Question Answering*
 - Topic spotting and classification
 - Named entities/entity extraction
 - Summarization
 - Spoken document retrieval
- *Conversational systems, dialogue modelling and management*
 - Open domains, incrementality, statistical DM, hybrid models, world knowledge, metacognition
- *Machine Translation*
 - Fully-automated MT services in global business and government services
 - Speech-to-speech MT
- *Development Frameworks*
- *Multimodality*
- *Multilinguality*
- *Neural Models and Embeddings*

- *Language Resources and Evaluation*
 - Multilingual resources
 - Metadata, annotation, tools
 - *Machine Learning*
 - Active learning
 - Reinforcement learning
 - Deep learning
 - Applications
 - *Big Data*
 - *Social Media, Sentiment Analysis and Opinion Mining*
 - *Mathematical Foundations*
- **Convergent areas of interest:**
 - *Mobile Devices*
 - *Robotics and Vision*
 - *Games & Social Networks*
 - *Brain-computer Interfaces*
 - *Technology background: Mobile, Cloud, etc.*
 - *The Internet of Things (IoT)*
 - **Industrial areas of interest:**
 - **Integration of state-of-the-art LT in support of multilingual global business applications:**
 - *Speech-to-Speech Translation*
 - *Cross-lingual Information Retrieval*
 - *Multilingual global marketing*
 - **Applications to industrial sectors**
 - *Healthcare and BioMedicine NLP*
 - *Social Media*
 - *Smart Cities*
 - *Opinion Mining*
 - *Public Administration*
 - *Instruction & Teaching*
 - *Communications*
 - **LT in the Web World**
 - *Crowdsourcing for LT*

Submission procedure

Authors are invited to submit non-anonymized papers in English presenting original and unpublished research, not currently submitted elsewhere.

Regular papers should not exceed 12 single-spaced pages (including eventual appendices) and should be formatted according to the standard format for Springer Verlag LNCS series (see <http://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0>).

Files must be sent via <https://www.easychair.org/conferences/?conf=fetlt2016>

Papers submitted must identify the category as well as up to 3 of the main topics aforementioned.

Paper submission deadline	21st August 2016
Acceptance notification	10th October 2016
Paper final version submission	20th October 2016

Publication

The proceedings will be published by Springer in the LNAI series and will be available by ordinary mail after the conference.

Registration

	Before 20th October 2016	After 20th October 2016
Standard fee	250 euros	300 euros
Student fee (1)	150 euros	200 euros
US Staff/Student attendee fee (2)	100 euros	100 euros
US Staff/Student admission only (2) (3)	Free	Free
Accompanying person(4)	60 euros	60 euros

1. Student registration fees must be accompanied by a signed letter of certification from the professor of the undergraduate / M.Sc. / Ph.D. student. The scanned copy of the letter must be sent by email to fetlt@us.es.
2. University of Seville (US) staff or students must send affiliation proof by email to fetlt@us.es
3. Registration is compulsory and the number of participants is limited.
4. Social dinner event (1st December 2016)

Program Committee and Advisory Group

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- **Alex Acero** (Apple)
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- **Francisco J. Salguero** (University of Seville)

Program Chair

- **Jose F Quesada**, University of Seville

Location

FETLT-2016 will be held at the University of Seville, Spain.

For more information, please visit: <http://www.glc.us.es/fetlt2016/>

Contact

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