



## Call For Papers

### 4<sup>th</sup> Doctoral Symposium on Arabic Language Engineering

6-7 April 2021 at IERA

جمعية هندسة اللغة العربية بالمغرب



Arabic Language Engineering Society in Morocco  
ALESMA



جامعة محمد الخامس بالرباط  
Université Mohammed V de Rabat

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The Laboratory for Linguistics, Language Planning and Terminology at the Institute for Studies and Research on Arabization (IERA) and the Arabic Language Engineering Society in Morocco (ALESMA) organize the Fourth Doctoral Symposium on "Arabic Language Engineering JDILA'2021" on April 6-7, 2021 at the Institute for Studies and Research on Arabization.

The purpose of this event is to encourage Doctoral Students working on Arabic Natural Language Processing (Arabic NLP) to share their research results with other researchers.

#### Goals

The Symposium aims to achieve the following objectives:

- Creation of a platform for communication, discussion and scientific exchange between doctoral students and specialists ;
- Presentation of theoretical work and practical achievements in the field of Arabic NLP ;
- Establishment of a space for collaboration among Moroccan researchers in terms of projects and research subjects falling within the field of Arabic NLP ;
- Raising awareness among officials and various social and economic actors about the importance of scientific research in the field of Arabic TAL and its contribution, as an essential factor, to the economic development.

#### Topics of interest

Participants are invited to submit their original papers in one of the following topics (the list is not exhaustive):

- Arabic dialects processing;
- Dialogue systems and chatbots;
- Machine translation;
- Question answering systems;
- Text summarization;
- Analysis of social media content: sentiment analysis and opinion mining, data mining, hate speech, etc.;
- Automatic spelling and grammar checking;
- Automatic Transformational Analysis and Generation (at the morphological, syntactic, and semantic levels, among others);
- Development and standardization of Linguistic Resources and Tools;
- Evaluation and comparative analysis of linguistic resources and Arabic NLP applications;
- Information extraction and information retrieval systems;
- Linguistic phenomena analysis and representation;
- Machine learning and deep learning;
- Named-entity recognition;
- Natural Language Understanding;
- Optical Character Recognition (OCR);
- Part-Of-Speech Tagging (POS);
- Text categorization and clustering;
- Word sense disambiguation.

#### Paper Submission

Doctoral students are invited to present their research results (max 10 pages) in one of the following languages: Arabic, French or English, using the template available for download from the Symposium site: [www.alesm.ma/jdila2021/index.html](http://www.alesm.ma/jdila2021/index.html)

Papers should be sent in WORD format via the EasyChair platform:

<https://easychair.org/conferences/?conf=jdila2021>

\* The Symposium will be organized face-to-face for some residents in Rabat and Online for others.

For more information, contact Prof. Aouragh Lhoussine: [jdila2021@gmail.com](mailto:jdila2021@gmail.com)

#### Important dates

Submission Deadline	07 March 2021
Authors Notification	31 March 2021
Date of the Symposium	6-7 April 2021