

Mounir ZRIGUI

Full professor in Computer Science

Habilitation on Computer sciences and linguistics obtained from the University of Grenoble-Alpes, France-2008



Married
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EDUCATION AND DIPLOMAS

May 2008 :

Habilitation on Computer sciences and Tal
University of Grenoble-Alpes, France

June 1988 :

Thesis on Computer Science
Title : « *Realization of a new Abstract Arabic Braille system Based on phonetics* »
University of Paul Sabatier-Toulouse, (UPS). France

June 1985 :

D.E.A. on Computer Sciences (Recognition of Shapes and Artificial Intelligence)
Mention Quite well
Université of Paul Sabatier à Toulouse, (UPS). France

TEACHING ACTIVITIES:

Administrative and collective duties and responsibilities:

- Since October 1992 : Research Professor at the Faculty of Sciences of Monastir
- From March 1995 to April 2001: Director of the Department of Computer Sciences at the Faculty of Sciences of Monastir
- 1995-2001: Member of the Scientific Council of the Faculty of Sciences of Monastir
- From October 1998 to December 2005: Head of the RIADI research team (Research in Arabized Computer Science and Integrated Documentation) in Monastir.
- 1996: Development of the Master's program in Applied Mathematics and Computer Science at the WFTU: Chairman of the Commission
- 1997: Development of the DESS Program in Mathematical Engineering and Computer Tools at the WFTU: Chair of the DESS Commission
- 1998: Development of the program of the Master's degree in computer science at the WFTU: chairman of the commission

- 1999: Participation in the work of the national steering committee for the reform of the first cycle

courses in the University: MPCI, PCI, MPI

- 2001: participation in the first DEA commission in computer science at the WFTU and the development of the corresponding program.
- From January 2006: Researcher at UTC, head of the TAL section
- From October 2012 to December 15, 2017: Director of the Department of Virtual Education at the University of Monastir
- December 2017: elected member of the Scientific Council of the Faculty of Sciences of Monastir
- From December 15, 2017: Director of Internships at the Faculty of Sciences of Monastir

Current teaching | Faculty of Sciences of Monastir

- Natural Language Processing Course (M2-Master, in progress),
- Advanced Logic (M1-Master, in progress),
- Artificial Intelligence L3
- Advanced AI (M1-Master)

Teachnig | Elsewhere ...

- ENSI
- FST
- ISG
- ESSTT

RESEARCH ACTIVITIES :

Responsibilities of research projects:

- Since 2004: Oreillodule, a real time system of recognition, Translation and Synthesis of speech; RIADI (Monastir, Tunisia), TIMA (Grenoble, France), LIDILM Grenoble.
- From 1990 to 1993: Synthesis of the Arab Word; IRSIT (Tunisia), Faculty of Letters 9 April (Tunisia), Bourguiba Institute of Modern Languages (Tunisia).
- From 2006: (MIRTO) Interactive Multi-Learning through Research on Texts and Oral: The project consists in creating a platform for language teaching providing teachers with tools and procedures allowing through simple interfaces to automatically or semi-automatically develop teaching scenarios

Communication of the research:

- **Keynote speaker:**
 - ICESD2018
- **Reading committee**
- Member of the ICTA07 and ICTA 09 international congress program, 11,13,15,17
- Member of the International TALN'09 Congress Reading Committee, TALN'11,13
- Membre du **comité de lecture** du congrès International :
International Conference on Knowledge Generation, Communication and Management: KGCM 2010 & KGCM2011(USA)

- Member of the reading committee of the journals: CIT, Nature and Technology, AJSE

Invitations by laboratories:

- Invitation for a stay of 1 month at the CLIPS as part of the co-supervision of Mr. Mbarek CHARHAD (2003).
- Invitation for a 15-day stay at the CLIPS, team of Pr. Jean CAELEN for presentation of my work, meeting and discussions with the researchers of the laboratory (2004) who are students of the Faculty of Sciences of Monastir.
- Invitation for a 15-day stay at TIMA Grenoble, team of Dr. A. JERRAYA, to mount the OREILLODULE project

Participation in recruitment juries for computer sciences assistants:

- From 1999 to 2001: Member of the national recruitment jury for computer assistants.

Participation in Masters juries in France:

- Mourad MARS, Stendhal University Grenoble 3, Contribution to the Realization of a Morphosyntactic Analyzer for the Arabic Language, July 2006
- Mohamed BELGACEM, Stendhal University Grenoble 3, Towards an Arabic Hybrid Speech Recognition System, July 2006
- Khaireddine BACHA, Stendhal University Grenoble 3, An information retrieval system in XML catalogs, September 2009
- Haithem SAHMIM, University Stendhal Grenoble 3, Conception and realization of a language model for the ALAO platform Mirto, June 2010

Participation in HDR juries in France:

Georges Antoniadis: Stendhal University Grenoble 3, July 2008: NLP and its applications

Other activities:

- 26 December 2008: Participation in the work of the international commission on the teaching of the TAL in the francophone countries. Paris (Invitation of the ATALA).
- November 9, 2007: Presentation of a conference on the Arabic TAL for the students of the Master 2 Language Industries at Stendhal University, Grenoble3, France.

SUPERVISING END OF STUDY PROJECT ACTIVITIES: :

Several dissertations and end-of-study projects at WFTU, ENSI, ISG, ENIS, and IRSIT.

PROFESSIONAL MASTER SUPERVISING ACTIVITIES:

25 dissertations in DESS Mathematical engineering and computer tools at the Faculty of Sciences of Monastir: from 1997 to 2001 including 05 in co-supervision with the CSI laboratory of the National Polytechnic Institute of Grenoble (INPG) with Professor G.Saucier.

MASTER RESEARCH SUPERVISION ACTIVITIES :

Date	Name	Co 'Supervisor	Title	State	Place
2004	Fathi Smach		Towards the realization of an embedded system of Arabic speech synthesis	Finished 2005	FSM
2005	Ahmed Hadded	Mohamed Ben Ahmed	Towards the realization of a system of Arabic dictionaries	Finished 2005	ENSI
2005	Walid JAOUADI	Henda BENGHEZALA	Calculation of the intertextual distance	Finished 2006	ENSI
2005	Mourad Mars		Contribution to the realization of a morphological analyzer of Arabic Contribution to the realization of a morphological analyzer of Arabic	Finished 2006	Stendhal Grenoble
2009	Rami Ayadi		Design and implementation of a classification platform for Arabic	Finished 2009	ISIM Sfax
2009	Laroussi Marhbene		Towards a system of automatic identification of phonemes of the Arabic language	Finished 2009	ESSTT
2011	Naiim Terbah		Learning Spoken Arabic Based on Automatic Speech Recognition	Finished 2012	ESSTT
	Mohamed Achraf Ben Mohamed			Finished	ISI Kairouan
2013	Housseem Abdellaoui	Mohsen Maraoui	Contribution to the realization and modeling of an accessible e-learning system for the disabled	Finished 2013	FSM
2013	Mohamed Labidi	Mohsen Maraoui		Finished 2013	FSM
2014	Moamed Ali Sghaier			Soutenu	FSM
2015	Adnen Mahmoud		Towards a system of automatic identification of phonemes of the Arabic language	Finished 2015	FSM
2017	Mohamed Bellagha			Finished	FSM
2017	Cheikh Moustapha		Sentiment Analysis of tweets: application on the Arabic language	Finished 2017	FSM

CO-SUPERVISING ACTIVITIES OF THESIS :

State/Date	Name	Co 'Supervisor	Title	Place	Job/Current status
Soutenu 2001-2006	Tahar Saidane	Mohamed Ben Ahmed	Contribution to the synthesis of the Arabic word	ENSI	Ing en chef à la STEG
Soutenu 2003-2008	Anis Zouaghi	Mohamed Ben Ahmed	Interpretation and context in Arabic finalized voice communications	ENSI	MA ISI Mednine
Soutenu	Mohsen		Construction of a robust electronic	UGA,Grenoble	MA FSM

2004-2009	Maraoui		dictionary for teaching Arabic to non-Arabic speakers		
Soutenu 2006-	Mourad Mars	Georges Antoniadis	Realization of a robust Morphological Analyzer for Arabic as part of the MIRTO project	UGA,Grenoble	
Soutenu 2006-	Mohamed Belgacem	Georges Antoniadis	Realization of an Arabic speech recognition system in the framework of the MIRTO and OREILLODULE projects	UGA,Grenoble	
Soutenu 20..-2017	Khaireddine Bacha			FSEG SFAX	
Soutenu 2010-2017	Aymen Trigui	Mohamed Jemni	Contribution to automatic recognition of Arabic speech	FSEG Sfax	A à l'ISMMM

SUPERVISING ACTIVITIES OF THESESES:

State/Date	Name	Title	Abstract	Job/Current status
Soutenu 2010-2016 FSEG	Laroussi Merhbene	Design and implementation of a lexical disambiguation system for the Arabic language	This thesis proposes a semantic tree-based approach to semi-supervised disambiguation of the Arabic language.	MA à FSEG Nabeul
Soutenu 2012-2016 FSEG	Mohamed Achraf Ben Mohamed	Integration of NLP techniques into computer-assisted learning for teaching Arabic	The work presents the effect of integrating Automatic Language Processing (NLP) tools into Computer Assisted Language Learning (CALL) for Arabic. In addition to the classic characteristics of natural languages such as implicit, ambiguity or imprecision, Arabic is known for its low density. But on the other hand, Arabic is characterized by an interesting property; lemmas are generated by derivation based on roots and schemas. In this work, we have studied the statistical characteristics of the Arabic language at the schema level; we have focused on mitigating the sparse effect at this level. Then we explored the possibility of building TAL tools for Arabic based on schemas. Basing ourselves entirely on schemas, we built a parser and a text classifier. We finally exploited these tools to create an ALAO platform for Arabic.	Teacher in secondary school

Soutenu 2012- 2016 FSEG	Souheyl Mallat	Information Search on the web in a multilingual context	This thesis is part of the field of information retrieval on the web in a multilingual context (Arabic, French, English). Our main contribution is to improve the performance of information retrieval systems (IRS) by increasing the selectivity of relevant documents on the web.	AP in ISIM
Soutenu 2010- 2016 FSEG	Rami Ayadi	Conception and realization of a platform for indexing and classification of documents: case of Arabic	The contribution of this work is at the level of the realization of a system of classification of textual documents in Arabic language and has the ambition to satisfy several objectives. The first is to make a first contribution to define a process of treatment which includes all the steps necessary for the classification (representation and indexing of texts, training of the classifier and classification). The second goal is to establish a text representation method that reflects semantics based on the Latent Dirichlet Allocation (LDA) model. While the third objective is to compile a representative corpus for the Arabic language covering different kinds of texts.	A in ISIM Mednine
Soutenu 2013- 2016 FSEG	Emna Hkiri	Semantic disambiguation in the automatic translation of the Arabic language based on ontology	This thesis deals with the construction of an ontology for lexical disambiguation in the automatic translation of the Arabic language. The approach consists of two main steps: first, a natural language processing method that deals with the morphology of the Arabic language and the second the translation, including semantic disambiguation. The disambiguation method proposes to translate the user's requests in order to determine the correct translations of the terms of the query by exploiting the constructed ontology	AP in ISIM
Souteni 2012- 2017 FSEG	Chhira Lhioui	Development of a system for automatic understanding of spontaneous Arabic speech based on a mixed approach: linguistic and stochastic	The work of Mrs. Chahira LHIQUI is part of the automatic processing of the Arabic language. They aim to design and develop a system of automatic understanding of spontaneous Arabic speech using a mixed approach based on the	CA

			linguistic paradigm and the stochastic paradigm. This system will be integrated into an interactive voice server in the context of tourist information.	
Encours 2014- ISITCOM	Housseem Abdellaoui	Sentiment analysis for Arabic Microblogs		CA in FSM
Encours 2014- ISITCOM	Mohamed Labidi			Secondary school teacher
Encours 2014- FST	Haithem Amich	Coupling of automatic transcription systems of the Arabic language		CA
Encours 2014- FSEG Grenoble-Alpes	Maroua Haj Salah			
Encours 2014- FSEG	Sadek Mansouri	Semantic indexing of video: the case of the Arabic language		
Encours 2015- ISITCOM	Mohamed Ali Sghaier			
Encours 2016- ISITCOM	Adnen Mahmoud	Towards a system of automatic identification of phonemes of the Arabic language		
Encours 2016- ISITCOM	Bassem Bsir	Profile analysis of a document height in Arabic language		
Encours 2016- ISITCOM	Mohamed Ali Batita	Towards the development of a lexical semantic network for the Arabic language		
Encours 2017- ISITCOM	Haffar Nafaa	Automatic extraction of events and semantic relations between events: case of the Arabic language		
Encours 2017- ISITCOM	Mohamed Bellagha	Identification nommée du locuteur dans des documents multimédia		
Encours 2017- ISITCOM	Siwar Ncir	Des services web sémantique pour l'annotation sémantique des ressources web arabes		
Encours 2017- FSEG	Cheik Moustaha	Description automatique de l'image basée sur l'apprentissage profond : Application sur la langue arabe.		

*Eng (Engineer), AP (assistant professor), CA (Contractual Assistant), A (Assistant)

STATISTICS OF PAPERS IN INDEXED AND CLASSIFIED INTERNATIONAL CONFERENCES:

A Class	B Class	C Class	Indexed
5	15	7	27

STATISTICS OF JOURNALS IN INDEXED AND IMPACT INTERNATIONAL REVIEWS:

Classe A	Classe B	Classe C	Indexée	Q 1	Q 2	Q 3	Impact Factor
0	3	4	21	1	0	0	6
							N° Revue
							Impact factor
							1
							0.724
							2
							1.530
							6
							0.724
							15
							0.9
							18
							0.724
							19
							0.724

PUBLICATIONS LIST :

Theses defended in Tunisia (Co-supervision with Pr. Mohamed Ben Ahmed)

- [1] Tahar SAIDANE, Contribution à la synthèse automatique de la parole Arabe, Université de la Manouba, Ecole Nationale des Sciences de l'Informatique, Tunis, Tunisie, Septembre 2006
- [2] Anis ZOUAGHI, Interprétation et Contexte dans les communications Vocales Finalisées en Langue Arabe Spontanée, Université de la Manouba, Ecole Nationale des Sciences de l'Informatique, Tunis, Tunisie, Octobre 2008.

Theses defended in France (Co-supervision with Prof. J. P. CHEVROT)

- [1] M. MARAOUI : Université Stendhal-Grenoble3, Elaboration d'un dictionnaire multifonctions pour l'arabe : Application aux systèmes d'ALAO, Décembre 2009

Book (in Arabic language, published by ALESCO in 1992)

This book describes a new compact phonetic Arabic writing that helps both illiterate and blind people. In the first chapter we have presented the current Arab Braille with the gaps that it generates either in the volume of documents or in speed of reading. In a second stage we have drawn up a linguistic and phonetic study of Arabic, Then we have chained by the development of our approach by establishing the different rules that manage the new compact writing and their linguistic and phonetic foundation. In another part we switched to transcription in Braille and finally we proceeded to a set of tests which made it possible to validate this method.

Book chapter

LNCS (2005): Arabic Speech Synthesis Using a Concatenation of Polyphones: The results, Saidane Tahar, Zrigui Mounir and Ben Ahmed Mohamed; **Lecture Notes in Computer Science, vol. 3501, pp 406-411, Springer-verlag, Germany.**

Papers in indexed and classified international conferences

N°	Title	Author's Names	Conference	Class/IF
1	Derivational Relations in Arabic WordNet	Mohamed Ali Batita and Mounir Zrigui	the the 9th Global WordNet Conference (GWC 2018) http://compling.hss.ntu.edu.sg/events/2018-gwc/pdfs/GWC2018_paper_38.pdf	C
2	Tunisian Dialect-Modern standard Arabic Bilingual Lexicon	Mohamed Ali Sghaier, Mounir Zrigui	International Conference on Computer Systems and Applications (AICCSA), Hammamet, Tunisie, 30 Octobre - 3 Novembre 2017 http://www.aclweb.org/anthology/W13-2813	C
3	A Rule-based Named Entity Extraction Method and Syntactico-Semantic Annotation for Arabic Language	LHIOUI, C., ZOUAGHI, A., ZRIGUI, M.	ALLDATA 2017 : The Third International Conference on Big Data, Small Data, Linked Data and Open Data (includes KESA 2017)	Award Best Paper
4	A Rule-based Approach for Arabic Temporal Expression Extraction	LHIOUI, C., ZOUAGHI, A., ZRIGUI, M.	IARES, ICEMIS,2017	Award Best Paper
5	A Linguistic Approach for MDU-Based Segmentation of Touristic Dialogues	LHIOUI, C., ZOUAGHI, A., ZRIGUI, M.	International NooJ, Conference Kenitra & Rabat, Moroccod 18-20 May, 2017	Indexée Springer
6	Study for Automatic Classification of Arabic Spoken Documents	Mohamed Labidi, Mohsen Maraoui, Mounir Zrigui:	ICCCI (2) 2017: 459-468 https://link.springer.com/chapter/10.1007/978-3-319-67077-5_44	

7	An empirical method for evaluation of author profiling framework	Bsir Bassem Mounir Zrigui	The 31st Pacific Asia Conference on Language, Information and Computation PACLIC 31 (2017), November 16-18, 2017, University of the Philippines Cebu, Cebu, Philippines http://pacific31.national-u.edu.ph/wp-content/uploads/2017/11/PACLIC_31_paper_84.pdf	B
8	Integration of Hybrid NER For Arabic-English Text translation	Emna Hkiri, Souheyl Mallat and Mounir Zrigui	Pacific Asia Conference on Language, Information and Computation, 2017	B
9	Integrating bilingual Named Entities Lexicon with conditional Random Fields Model for Arabic Named Entities Recognition	Emna Hkiri, Souheyl Mallat, Mounir Zrigui	IEEE International Conference on Document Analysis and Recognition, ICDAR2017	A
10	The Enrichment of Arabic WordNet Antonym Relations	Mohamed Ali Batita and Mounir Zrigui	the 18th International Conference on Intelligent Text Processing and Computational Linguistics, CICLing 2017 (www.CICLing.org/2017)	B
11	Text-to-concept: a semantic indexing framework for Arabic News videos	Sadek Mansouri, Chahira Lhioui, Mbarek Charhad, Mounir Zrigui	the 18th International Conference on Intelligent Text Processing and Computational Linguistics, CICLing 2017 (www.CICLing.org/2017),	B
12	A Text Semantic Similarity Approach for Arabic Paraphrase Detection	Adnen Mahmoud, Ahmed Zrigui and Mounir Zrigui	The 31st Pacific Asia Conference on Language, Information and Computation PACLIC 31 (2017), November 16-18, 2017, University of the Philippines Cebu, Cebu, Philippines https://www.researchgate.net/publication/321489830_A_Text_Semantic_Similarity_Approach_for_Arabic_Paraphrase_Detection .	B
13	Semantic Similarity Analysis for Paraphrase Identification in Arabic Texts	Adnen Mahmoud, and Mounir Zrigui	the 18th International Conference on Intelligent Text Processing and Computational Linguistics, CICLing 2017 (www.CICLing.org/2017),	B
14	Image to Text Conversion: State of the Art and Extended Work	Nada FARHANI Naim TERBEH Mounir ZRIGUI	the 14th edition of the ACS/IEEE International conference on Computer Systems and Applications (AICCSA 2017).	C
15	A Rule-based Semantic Frame Annotation of Arabic Speech Turns for Automatic Dialogue Analysis	LHIOUI Chahira., ZOUAGHI Anis, ZRIGUI Mounir	ACLing:The Third International Conference on Arabic Computational Linguistics http://www.acling2017.org/	Google Scholar Scopus
16	A Novel Approach to Identify Factor Posing Pronunciation Disorders	Naim Terbeh Mounir Zrigui:	ICCCI (1) 2016: 153-162 https://link.springer.com/chapter/10.1007/978-3-319-45243-2_14	B
17	Sentiment Analysis for Arabic e-commerce websites	Mohamed Ali Sghaier, Mounir Zrigui	International Conference on Engineering & MIS 2016(ICMIS2016), 22-23 Septembre 2016, Agadir, Maroc http://ieeexplore.ieee.org/document/7745323/	Google Scholar
18	Vocal Pathologies Detection and	Naim Terbeh, Mounir Zrigui	10th edition of the Language Resources and Evaluation Conference, 23-28 May 2016,	A

	Mispronounced Phonemes Identification: Case of Arabic Continuous Speech		Portorož (Slovenia) https://www.researchgate.net/profile/Mounir_Zrigui/publication/305992648_Vocal_Pathologies_Detection_and_Mispronounced_Phonemes_Identification_Case_of_Arabic_Continuous_Speech/links/57a8c1d208aed76703f87f1a.pdf	
19	Système hybride pour la reconnaissance des entités nommées arabes à base des CRF	Emna Hkiri, Souheyl Mallat and Mounir Zrigui	Conférence Traitement Automatique des Langues Naturelles, 2016 https://jep-taln2016.limsi.fr/actes/Actes%20JTR-2016/Papers/T58.pdf	
20	Amélioration de la traduction automatique d'un corpus annoté	Marwa Hadj Salah Hervé Blanchon Mounir Zrigui Didier Schwab	Actes de la conférence conjointe JEP-TALN-RECITAL 2016, volume 2 : TALN https://jep-taln2016.limsi.fr/actes/Actes%20JTR-2016/Papers/T63.pdf	Google Scholar
21	Arabic Speech Analysis to Identify Factors Posing Pronunciation Disorders and to Assist Learners with Vocal Disabilities	Naim TERBEH Ayman TRIGUI Mohsen MARAOUI Mounir ZRIGUI	International Conference on Engineering & MIS (ICEMIS) 22-24 Sept. 2016 http://ieeexplore.ieee.org/document/7745296/	Google Scholar
22	Knowledge Extraction with NooJ Using a syntactico-Semantic Approach for the Arabic Utterances Understanding	Chahira Lhioui, Anis Zouaghi, and Mounir Zrigui,	CICLING 2016 https://www.cicling.org/2016/accepted.html	B
23	Hybrid Model of Lexical Expansion and Query Translation for Multilingual Document Retrieval on the Web	Souheyl Mallat, Emna Hkiri, Mohsen Maraoui, Mounir Zrigui	In 17th International Conference on Intelligent Text Processing and Computational Linguistics (CICLING'16): 2nd International 43Conference on Arabic Computational Linguistics. April 3–9, 2016, Konya, Turkey. https://www.cicling.org/2016/accepted.html	DBLP,
24	New Birth of the Arabic Phonetic Dictionary	Mohamed Labidi Mohsen MARAOUI Mounir ZRIGUI	International Conference on Engineering & MIS (ICEMIS) 22-24 Sept. 2016 http://ieeexplore.ieee.org/document/7745322/	Google Scholar
25	Proposal of statistical method of semantic indexing for multilingual documents	Souheyl Mallat Mohsen Maraoui Emna Hkiri Mounir Zrigui	Fuzzy Systems (FUZZ-IEEE), 2016 IEEE International Conference on, Vancouver, BC, Canada, 24-29 July 2016 http://ieeexplore.ieee.org/document/7737996/	A
26	Morphological Analysis in the Environment "TELA"	Khaireddine Bacha Mounir Zrigui	the 2015 International Conference on Soft Computing and Software Engineering (SCSE'15) http://www.sciencedirect.com/science/article/pii/S1877050915026617	C
27	Method of enriching queries by contextual information to approve of information retrieval	Souheyl Mallat, Housseem Abdellaoui, Mohsen Maraoui, Mounir	ICTA 2015: 1-6 http://ieeexplore.ieee.org/document/7426895/	A

	system in Arabic	Zrigui		
28	Lexical Network Enrichment Using Association Rules Model	Souheyl Mallat, Emna Hkiri, Mohsen Maraoui , and Mounir Zrigui	Gelbukh A. Computational Linguistics and Intelligent Text Processing. CILing 2015. Lecture Notes in Computer Science, vol 9041. Springer, Cham	B
29	Semantic indexing of continuous speech	Mohamed Labidi, Naim Terbeh, Mohsen Maraoui, Mounir Zrigui	ICTA 2015: 1-3 http://ieeexplore.ieee.org/document/7426926/	DBLP, Google Scholar
30	LDA and LSI as a Dimensionality Reduction Method in Arabic Document Classification	Rami Ayadi, Mohsen Maraoui, Mounir Zrigui	International Conference on Information and Software Technologies. Communications in Computer and Information Science, vol 538. Springer, Cham - 2015 https://link.springer.com/chapter/10.1007/978-3-319-24770-0_42	DBLP, Google Scholar
31	Automating Event Recognition for SMT systems	Emna Hkiri, Souheyl Mallat, Mohsen Maraoui and Mounir Zrigui	In 7th International Conference on Computational Collective Intelligence Technologies and Applications (ICCCI). September 21-23, 2015 Madrid, Spain, Springer https://link.springer.com/chapter/10.1007/978-3-319-24069-5_47	DBLP, Springer (LNCS), (C).
32	N-scheme model: An approach towards reducing Arabic language sparseness	Mohamed Achraf Ben Mohamed, Sarra Zrigui, Anis Zouaghi and Mounir Zrigui	ICTA 2015 : The Fifth International Conference on information and Communication technology and Accessibility ,Marrakech, Morocco	DBLP, Google Scholar
33	Probabilistic Approach for Detection of Vocal Pathologies in the Arabic Speech	Naim Terbeh, Mohsen Maraoui, and Mounir Zrigui	Conference on Intelligent Text Processing and Computational Linguistics , CILing 2015, Cairo, Egypt https://link.springer.com/chapter/10.1007/978-3-319-18111-0_	B
34	Improving coverage of rule based NER systems	Emna Hkiri, Souheyl Mallat and Mounir Zrigui	IEEE 2015 International Conference on Information and Communication technology and Accessibility, ICTA 2015" to be held in Marrakech, Morocco from December 2123, 2015. http://ieeexplore.ieee.org/document/7426925/	Semantic scholar
35	Analyse de sentiments et extraction des opinions pour les sites e-commerce : application sur la langue arabe	Mohamed Ali Sghaier, Housseem Abdellaoui, Rami Ayadi and Mounir Zrigui	The International Conference on Arabic Language Processing (CITALA 2014), At Oujda, Morocco http://ieeexplore.ieee.org/document/7745323/	Google Scholar
36	Vers la Correction Automatique de la Parole Arabe	Naim TERBEH and Mounir ZRIGUI	The International Conference on Arabic Language Processing (CITALA2014), At Oujda, Morocco https://www.researchgate.net/publication/269102940_Vers_la_Correction_Automatique_de_la_Parole_Arabe	Google Scholar

37	Towards a model of statistical machine translation Arabic-French	Khaireddine Bacha and Mounir Zrigui	Computer Applications and Information Systems (WCCAIS), 2014 World Congress on, Hammamet, Tunisia, 17-19 Jan. 2014 http://ieeexplore.ieee.org/document/6916640/	Google Scholar
38	Designing a model combination of Arabic, for use in Computer Assisted Teaching	khaireddine bacha, Mohamed Achraf Ben Mohamed, Mounir Zrigui	Computer Applications And Information Systems (WCCAIS), 2014, At Hammamet, Tunisia http://ieeexplore.ieee.org/abstract/document/6916639/	Google Scholar
39	Approche basée sur les arbres sémantiques pour la désambiguïsation lexicale de la langue arabe en utilisant une procédure de vote	LAROUSSE MERHBENE, ANIS ZOUAGHI ET MOUNIR ZRIGUI	21ème conférence sur le Traitement Automatique des Langues Naturelles, Marseille 2014. http://www.aclweb.org/anthology/W14-6702	C
40	Unsupervised system for Lexical Disambiguation of Arabic Language using a vote procedure	L. Merhbene, A. Zouaghi and M. Zrigui	The international Conference On Electrical Engineering and software Applications, Tunisia, Mars 21-23, 2013. http://ieeexplore.ieee.org/document/6578442/	Google Scholar
41	A Semi-Supervised Method for Arabic Word Sense Disambiguation Using a Weighted Directed Graph	L. Merhbene, A. Zouaghi and M. Zrigui	Proceedings of the Sixth International Joint Conference on Natural Language Processing p.p: 1027—1031, Nogoya, Japan, October , 2013. http://www.aclweb.org/anthology/I13-1140	B
42	An Experimental Study for some supervised Lexical Disambiguation methods of Arabic Language	L. Merhbene, A. Zouaghi and M. Zrigui	The Fourth International Conference On Information and Communication Technology and Accessibility, Hammamet, 24-26 October, 2013. http://ieeexplore.ieee.org/document/6815307/	DBLP, Google Scholar
43	A combined method based on stochastic and linguistic paradigm for the understanding of Arabic spontaneous utterances	LHIOUI, C., ZOUAGHI, A., ZRIGUI, M.	In Computational Linguistics and Intelligent Text Processing (pp. 549-558). Springer Berlin Heidelberg- 2013 https://link.springer.com/chapter/10.1007/978-3-642-37256-8_45	B
44	Ontology Based Description of an Accessible Learning Object	Housseem Abdellaoui, Mounir Zrigui, Khaireddine Bacha	Fourth International Conference on Information and Communication Technology and Accessibility (ICTA 2013), Hammamet, Tunisia http://ieeexplore.ieee.org/document/6815284/	DBLP, Google Scholar
45	A Combined Method Based on Stochastic and Linguistic Paradigm for the Understanding of Arabic Spontaneous Utterances	Chahira Lhioui, Anis Zouaghi, and Mounir Zrigui	Conference on Intelligent Text Processing and Computational Linguistics, CICLing 2013, Samos, Greece. https://link.springer.com/chapter/10.1007/978-3-642-37256-8_45	B
46	Automatic translation of Arabic queries for bilingual information retrieval	Souheyl Mallat, Anis Zouaghi, Emna Hkiri, Mounir Zrigui	ICTA 2013: 1-6 http://ieeexplore.ieee.org/document/6815308/	DBLP, Google Scholar
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