

The 8th International Conference on Arabic Language Processing (ICALP23)  
ENSIAS, UM5 in Rabat  
April 19-20, 2024



Conference Program ( Abstract) برنامج الندوة (موجز)

		From	To			
Friday April 19	<b>Registration</b>		<b>08:30</b>	<b>09:00</b>	التسجيل واستقبال المشاركين	
	<b>Opening Ceremony</b>		<b>09:00</b>	<b>09:30</b>	كلمات الإفتتاح	
	Speech by the ENSIAS dean.		09:00	09:10	كلمة السيدة مديرة المدرسة	
	Speech by the president of the Arabic Language Engineering Association.		09:10	09:20	كلمة رئيس جمعية هندسة اللغة العربية	
	Speech by the organizing committee.		09:20	09:30	كلمة اللجنة المنظمة	
	<b>Keynote Speaker 1: Mahmoud El-Haj</b>		<b>09:30</b>	<b>10:30</b>	<b>Advancing Arabic NLP: From Financial Texts to Legal Constitutions and Educational Readability</b>	
	<b>Keynote Speaker 2 : Azzeddine Mazroui (Ar)</b>		<b>10:30</b>	<b>11:30</b>	<b>Alkhalil Platform for Arabic Language Processing</b>	
	<b>Coffee break</b>					
	<b>Session 1: Linguistic Resources for Arabic NLP</b>	<b>Session 2: Deep Learning for Arabic</b>	12 :00	13 :00	<b>Session 3: Hadith Sharif and Qur'an, Arabic dialect</b>	<b>Session 4: Cross-Language Applications</b>
	Art 32: Asma Djaidri	Art 9: Devi G. Kurup	12 :00	12 :15	Art 11: Khalil Ladrham	Art 13: Saida Laaroussi
	Art 35: Soumia Chafi	Art 74: Kamel Smaïli	12 :15	12 :30	Art 37: Sarah Alnefaie	Art 34: Mohamed El Ammari
	Art 40: Hafid Maachi	Art 76: Nabil Ababou	12 :30	12 :55	Art 38: Sarah Alnefaie	Art 47: Khadija Refouh
	Art 71: Ridouane Tachicart	Art 36: Mustapha Benbarka	12 :45	13 :00	Art 48: Ons Kharrat	Art 68: Wajdi Zaghouani
	<b>Lunch</b>		<b>13:00</b>	<b>15:00</b>	<b>غذاء</b>	
<b>Keynote Speaker 3: Kamel Smaïli</b>		<b>15:00</b>	<b>16 :00</b>	An overview of deep learning models applied to the Arabic language		
<b>Coffee break</b>						
<b>Session 5: Linguistic Resources for Arabic NLP</b>	<b>Session 6: Deep Learning for Arabic</b>	16 :00	17 :00	<b>Session 7: Linguistic Resources for Arabic NLP</b>	<b>Session 8: Learning Arabic and dialectal</b>	
Art 53: Mohamed Khenchouch	Art 41: Mohamed Zouidine	16 :00	16 :15	Art 16: Randa Zarnoufi	Art 44: Anis Charfi	
Art 67: Chereen Shurafa	Art 42: Chima Elhaddadi	16 :15	16 :30	Art 19: Jamal Ezzine	Art 50: Hamza El Alaoui	
Art 72: Abdul Gabbar Al-Sharafi	Art 45: Ashraf M Elnagar	16 :30	16 :45	Art 23: Mourad Bahani	Art 55: Khadija Refouh	
Art 75: Soufiane Elmouhib	Art 49: Omar M Elbarbary	16 :45	17 :00	Art 54: Ashraf M Elnagar	Art 56: Mouhcine Rabi	
Saturday April 20	<b>Keynote Speaker 4: Younes Samih</b>		<b>08:30</b>	<b>09:30</b>	Probing for Linguistic structure in neural language models	
	<b>Keynote Speaker 5: Mohamed Karim Bouzoubaa</b>		<b>09:30</b>	<b>10:30</b>	<b>SAFAR Platform for Arabic Language Processing</b>	
	<b>Coffee break</b>					
	<b>Session 9: Deep Learning for Arabic</b>	<b>Session 10: Various analysis of Arabic</b>	11 :00	12 :00	<b>Session 11: Various analysis of Arabic</b>	<b>Session 12: Learning Arabic and Translation</b>
	Art 61: Ali Al-Zawqari	Art 59: Imane Choukri	11 :00	11 :15	Art 14: Ghizlane Bourahouat	Art 62: Nouhaila Bensalah
	Art 66: Fouzi Harrag	Art 31: Paolo Rosso	11 :15	11 :30	Art 33: Bader Alshemaimri	Art 63: Samir Belayachi
	Art 73: Abdelouahab Hocini	Art 78: Hadni Meryeme	11 :30	11 :45	Art 51: Joanna Samir Tadros	Art 15: Imene Bensalem
	Art 77: Asma Djaidri		11 :45	12 :00		
	<b>Closing Ceremony</b>					
	<b>Lunch</b>		<b>13:00</b>	<b>14 :00</b>	<b>غذاء</b>	
<b>Sightseeing tour in Rabat</b>						

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Presentation schedule

Friday morning, April 19th : 09:30 -13:00

<p><b>Keynote Speaker 1: Mahmoud El-Haj</b> Advancing Arabic NLP: From Financial Texts to Legal Constitutions and Educational Readability</p> <p><b>Keynote Speaker 2 : Azzeddine Mazroui (Ar)</b> Alkhalil Platform for Arabic Language Processing</p>	
<p><b>Session 1: Linguistic Resources for Arabic NLP</b> <b>Chairs : El Hamlaoui Mahmoud, Youssef El Alloui</b></p>	
32	Djaidri, Asma*; Aliane, Hassina; Azzoune, Hamid Exploring the Impact of Stop Words and Particles on Arabic Word Sense Disambiguation
35	CHAFI, SOUMIA*; kabil, Mustapha; KAMOUSS, Abdessamad Automatic CV Classification using Transformers with Spark in Arabophone regions
40	MAACHI, Hafid*; hakima, khamar The Contribution of Corpus Linguistics and Natural Language Processing Tools in the Development of School Lexicography
71	Tachicart, Ridouane*; Bouzoubaa, Karim; Namly, Driss; Tahtah, Hind Compiling a Bilingual Lexicon Using a Semi-Automatic Approach
<p><b>Session 2: Deep Learning for Arabic</b> <b>Chairs : Houda BENBRAHIM, Hatim GUERMAH</b></p>	
9	Kurup, Devi G*; Daoud, Amina; Schneider, Jens; Zaghouani, Wajdi*; Al-Marri, Saeed; Al-Absi, Hamada R.H.; Ait Mou, Younss Exploring Semantic Hadith Overlap Across topics
74	Smaïli, Kamel*; Hamza, Anissa; Langlois, David; Amazouz, Djegdjiga BOUTEF: Bolstering Our Understanding Through an Elaborated Fake News Corpus
76	Ouhammou, Mohamed; Ababou, Nabil*; AOURAGH, Si Lhoussain Deep Facial Expression Recognition Using Xception model
36	BENBARKA, Mustapha*; KASSIMI, Moulay Abdellah Fine-Tuning AraBART on AHS dataset for Arabic Abstractive Summarization
<p><b>Session 3: Hadith Sharif and Qur'an, Arabic dialect</b> <b>Chairs : Hdioud Boutaina, Naoum Mohamed</b></p>	
11	LADRHAM, KHALIL*; GUEDDAH, HICHAM Sentiment Analysis on Moroccan Dialect of Arabic(Darija) combining NLP and ML approaches
37	Alnefaie, Sarah*; Atwell, Eric; Alaska, Mhd Ammar Qur'an Passage Ranking Using Transformer Models
38	Alnefaie, Sarah*; Atwell, Eric; Alaska, Mhd Ammar Question Answering Over the Arabic Hadith Sharif Using Transformer Model
48	Kharrat, Ons*; Mohamed, Fatma Alzahra Emad; Mtimet, Ikram; Ben Amor, Nour; Fourati, Chayma HATETUNE: TUNISIAN DIALECT HATE SPEECH DETECTION DATASET
<p><b>Session 4: Cross-Language Applications</b> <b>Chairs : Violetta Cavalli-Sforza, Si Lhoussain AOURAGH</b></p>	
13	Laaroussi, Saida*; Abdellah, Yousfi; Aouragh, Si Lhoussain; Boumehdi, Ahmed; Iazzi, Said CAIV: Corpus of Arabic Infinitive Verbs
34	EL AMMARI, MOHAMED *; Rhazi, Azeddine; Rami, Salim s Sentiment analysis of texts written in Arabic: Addressing the issue of negation
47	Refouh, Khadija*; Daoudi, Mimoune Bridging the Emotional Gap: Google NL-AI Sentiment Analysis in Comparing Moroccan Literary Translations
68	Zaghouani, Wajdi*; Seljan, Sanja; Dunder, Ivan; Yahiaoui, Rashid; Al-Adwan, Amer Creating a Multilingual Dataset in Arabic and Croatian from Sports Videos through a Data Processing Pipeline Combining ASR and MT

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Friday afternoon, April 19th: 15:00 - 17:00

Keynote Speaker 3: Kamel Smaïli		
An overview of deep learning models applied to the Arabic language		
Session 5:	Linguistic Resources for Arabic NLP	Chairs : Ridouane TACHICART, Rachida TAJMOUT
53	KHENCHOUCH, Mohamed*; ZEROUAL, Imad; El kah, Anoual Opportunities to Use Arabic YouTube Comments in Text Mining and Masked Language Modeling	
67	Shurafa, Chereen; Zaghouani, Wajdi* Corpus Analysis of Coronavirus Disease-19 (COVID-19)-Related Loneliness in Twitter	
72	Al-Sharafi, Abdul Gabbar; Majed Khader, Mohammad; Ahmed, Mohamed; Al-Sioufy, Mohamad Hamza; Zaghouani, Wajdi; Al-Zawqari, Ali* A Hybrid Annotation Model for Arabic Argumentative Debate Corpus	
75	Elmouhib, Soufiane*; moussa, abdelkarim Exploring the Impact of Natural Language Processing Technologies on Academic Performance and Student Engagement in Higher Education	
Session 6:	Deep Learning for Arabic	Chairs : Radouane FAIZI, Si Lhoussein AOURAGH
41	Zouidine, Mohamed*; Khalil, Mohammed; Ibn El Farouk, Abdelhamid Deep Reinforcement Learning for Arabic Machine Translation: A Study on Reward Signals	
42	ELHADDADI, chima*; ZEROUAL, Imad; El kah, Anoual Automatic Arabic Essays Scoring: A Scoping Review	
45	Kharsa, Ruba; Elnagar, Ashraf M* Context-aware Arabic Diacritization using Transformers	
49	ElBarbary, Omar M*; ElBolock, Alia; Sabty, Caroline; Rasslan, Mohamed Enhancing Privacy Through Detecting Sensitive Data	
Session 7:	Linguistic Resources for Arabic NLP	Chairs : Azzeddine Mazroui, Jamal EL HACHMI
16	Zarnoufi, Randa*; Hajhouj, Mohammed; Bachri, Walid; Jaafar, Hamid; Abik, Mounia MAOffens: Moroccan Arabic Offensive Language Dataset	
19	Ezzine, jamal.ezzine@gmail.com*; EL BAZI, Ismail; Moussa, Hicham Building an Arabic - Italian Legal Corpus for Divorce Judgments from the Court of Beni Mellal	
23	BAHANI, Mourad* Image Generation from Arabic Text: Comparative Study of Proposed Architectures	
54	Ashraf M*, Khaled, Mohammed Moneb; Elnagar Arabic Dialect Audio Identification Using Wav2Vec2	
Session 8:	Learning Arabic and dialectal	Chairs : Souri Adnan, My Ahmed FAQIHI
44	Charfi, Anis *; Mehdi, Syed; Mohamed, Esraa; Bessghaier, Mabrouka ARAP-IRONY: a multi-dialectal Arabic Irony Corpus for Irony Detection	
50	El Alaoui, Hamza*; Cavalli-Sforza, Violetta DarijaGenie: Learning Moroccan Arabic Through a Multimodal Chatbot	
55	Refouh, Khadija*; Mehdioui, Omar; Rhazi, azeddine Morpho-Lexical Based Approach for Arabic WorldNet Extension	
56	RABI, Mouhcine* ENHANCING ARABIC HANDWRITTEN RECOGNITION SYSTEM-BASED CNN-BLSTM USING GENERATIVE ADVERSARIAL NETWORKS	

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Saturday morning, April 20th: 08:30 - 12:00

<p><b>Keynote Speaker 4: Younes Samih</b> Probing for Linguistic structure in neural language models</p> <p><b>Keynote Speaker 5: Mohamed Karim Bouzoubaa</b> SAFAR Platform for Arabic Language Processing</p>	
<p><b>Session 9: Deep Learning for Arabic</b> <span style="float: right;"><b>Chairs : Naoum Mohamed, Abdellah YOUSFI</b></span></p>	
61	Al-Zawqari, Ali*; Al-Sharafi, Abdul Gabbar; Ahmed, Mohamed ; Majed Khader, Mohammad; Vandersteen, Gerd Classifying Persuasion Modes in Arabic Debates: A Preliminary Language Model-based Analysis
66	Harrag, Fouzi*; Haouam, Kamel-Dine A Review of Arabic Fake News Detection Approaches on Social Media
73	Hocini, Abdelouahab*; Smaïli, Kamel Detecting Fake News: Exploring Key Features in Multilingual Arabic Dialect Corpus
77	Djaidri, Asma*; Aliane, Hassina; Azzoune, Hamid Enhancing Arabic Word Sense Disambiguation with Ensemble BERT-based Models
<p><b>Session 10: Various analysis of Arabic</b> <span style="float: right;"><b>Chairs : Rachida TAJMOUT, Mohamed Karim Bouzoubaa</b></span></p>	
59	CHOUKRI, IMANE*; GUERMAH, Hatim; NASSAR, Mahmoud An Intention-Driven Architecture for Context-Aware Systems
31	Rosso, Paolo*; Yaqine, Saad; Hmimou, Amine Generating and Detecting Arabic Machine-Generated Text in Multiple Domains
78	Meryeme, Hadni*; HJIAJ, Hassane A New Meta-heuristic Optimization Technique for Solving Feature Selection and Classification Problems for Arabic Text
<p><b>Session 11: Various analysis of Arabic</b> <span style="float: right;"><b>Chairs : Mohamed Lazaar, Souri Adnan</b></span></p>	
14	Bourahouat, Ghizlane*; ABOUREZQ, Manar ; DAOUDI, Najima Enhancing Arabic Sentiment Analysis using Arabic LLMs
33	AlRayes, Ibrahim; Almalik, Fahad Sultan; Alshemaimri, Bader*; Alothman, Turki Abdullah; Almotlaq, Mohammed Summarizing Arabic Articles using LLMs
51	Tadros, Joanna Samir*; Sabty, Caroline Automated Fact-checking System
<p><b>Session 12: Learning Arabic and Translation</b> <span style="float: right;"><b>Chairs : Khamar Hakima, Yasser EL MADANI EL ALAMI</b></span></p>	
62	BENSALAH, NOUHAILA*; AYAD, HABIB; Adib, Abdellah A Context based Meta-Embeddings: A way to improve Arabic to English Machine Translation
63	Belayachi, Samir*; Mazroui, Azzeddine Strengthening deep learning through morphological analysis for an Arabic lemmatizer development
15	Bensalem, Imene*; Grubisic, Ivan; El Goual, Abdelmoumen; Rosso, Paolo; Charfi, Anis ; Zaghouani, Wajdi Stance Detection in Arabic Dialects: Preliminary Experiments