The British University in Dubai

ACLing

ACLing 2025

The Seventh International Conference

AI in Computational Linguistics

December 6th-7th, 2025| Dubai, UAE

Day 1: Saturday, 6th December 2025, UAE Time	
08:30 - 09:30	Registration & Continental Breakfast
09:30 - 10:30	Networking
10.30-11.00	Prof. Abdullah Al Shamsi, Vice Chancellor of British University in Dubai Opening and Welcome Address
11:00 - 11:15	Prof. Khalid Almarri, Dean of Academic Research - Speech
11:15 - 11:30	Prof. Sherief Abdallah, Dean of Faculty of Engineering & IT – Speech
11:30 - 11:45	Prof. Khaled Shaalan, Head of CS Dept, Conference Chair, British University in Dubai
11:45 - 12:50	Keynote Speech- Dr. Muhammad Abdul-Mageed University of British Columbia, Canada Session Chair: Prof. Samhaa R. El-Beltagy, Newgiza University (NGU)
12:50 - 13:00	Pictures
13:00 - 14:00	Lunch Break

Session 1

LLM Reasoning, Prompting, and Evaluation

(Track A)

14:00 – 16:00

1. **Paper 55:** ROAD-tv: Research Opportunity Discovery via Topological Data Analysis and Adversarial Multi-LLM Validation,
Basma Mohamed Afifi, Mervat Abu-Elkheir and Slim Abdennadher

2. **Paper 76:** Evaluating LLMs on Arabic Reading Comprehension: Errors, Hallucinations, and Factual Inconsistencies,
Najwa Alghamdi, Sadam Alazani, Kwabena Nuamah and Alan Bundy

3. **Paper 87:** LogiCue: Targeted Prompting for Improved Modal and Conditional Reasoning in Large Language Models,
Fatemeh Shahrokhshahi, Farzan Mohammadi and Ferdi Sonmez

4. **Paper 121:** Zero-Shot Stance Detection using Contextual Data Generation with LLMs,
Ghazaleh Mahmoudi, Babak Behkamkia and Sauleh Eetemadi

5. **Paper 153:** A Comprehensive Assessment of OpenAI's Large Language Models for Detecting Vulnerabilities in Source Code,
Osama Hosam, Achraf Ghorbel and Ghazi Ben Ayed

6. **Paper 157:** A Multi-Objective Reinforcement Learning Approach to Prompt Optimization in NLP, Muhammad Junaid Iqbal,
Muhammad Asghar Khan, Tahir Alyas, Sagheer Abbas, Arif Jawaid and Fabio Massimo Zanzotto

Session Chair
Dr. Hussain AlAqrabi
Higher Colleges of Technology (HCT)

Session 2

Trustworthy and Responsible AI for Misinformation and Legal Texts (Track B)

14:00 – 16:00

1. **Paper 9:** Investigating Misleadingness in Fake News Datasets: A Computational Linguistic Approach,
Omar Ahmed Attia

2. **Paper 19:** Gender-Debiasing Word Embeddings for Low-Resource Languages: A Case Study in Greek,
Stefanos Tsimenidis, Theofanis Kalampokas, Myrto Charmpi, Eleni Vrochidou, Lefteris Moussiades, Stylianos Xanthopoulos and George Papakostas

3. **Paper 74:** Constructing an Arabic Deepfake Detection Dataset from Government Sources and LLM-Generated Text,
Najla Aljaloud, Amal Sunba and Tarek Helmy

4. **Paper 89:** Automatic Detection of Contradictions in Legal Texts: A Computational Linguistic Analysis,
Hoda Zaiton, Sameh Alansary, Nevine Sarwat and Inas Hussein

5. **Paper 100:** Reinforcement-Learned Ethical Transformers for Socially Responsible Text Generation in Sensitive Domains,
Afaf Abdullah Ali Alalawi, Yasmeen Alshehhi, Bidoor Noori Ishaq and Maen Qaddoura

6. **Paper 122:** Cross-Lingual and Multilingual Approaches to Fake News Detection in the Kazakh Language,
Duman Telman, Aigerim Yerimbetova, Madina Sambetbayeva, Elmira Daiyrbayeva, Aisaule Bazarkulova, Almas Turganbayev and Bekbol Bolatov

16:00 – 16:20 Coffee Break

Session Chair
Dr. Alavikunhu Panthakkan
University of Dubai

Session 3

Low-Resource and Multilingual NLP for Specialized Domains (Track A)

16:20 – 18:20

1. **Paper 67:** Sign Language Recognition based on Deep Learning via MediaPipe for people with speech and hearing impairments,
Aigerim Yerimbetova, Ulmeken Berzhanova, Ainur Bayekeyeva, Marek Milosz, Bakzhan Sakenov, Elmira Daiyrbayeva, Telman Duman and Orken Mamyrbayev

2. **Paper 86:** SciMDIX: A dataset for aspect extraction from multi-domain scientific documents in Kazakh and Russian,
Nikita Shvarts, Tatiana Batura, Nurzhan Mukazhanov, Aigerim Yerimbetova, Bakzhan Sakenov and Mussa Turdalyuly

3. **Paper 106:** Hybrid Deep Learning Approach for Question Answering in Arabic Medical Consultations,
Lina Siyam, Nur Siyam and Omar Alqaryouti

4. **Paper 138:** From General Doctor to Specialist: Enhancing Radiology Report Generation with Retrieval-Augmented Generation,
Ghazal Zamaninejad and Sauleh Eetemadi

Session Chair
Prof. Samhaa R. El-Beltagy,
Newgiza University (NGU)

Session 4

User-Centred and Social Media NLP Applications (Track B)

16:20 – 18:20

1. Paper 7: Arabic X (formerly Twitter) Sentiment Analysis using Skipgrams method,
Rasha Aleidan

2. Paper 123: AI-Based Automated Grading of Short Answer Responses with Interactive Feedback,
Ali Heydari, Saeed Alkendi and Sauleh Eetemadi

3. Paper 129: Personalized Emoji Prediction Framework Using Personality, Emotion, and User Preferences,
Mariam Gaafar, Ahmed Rafea and Alia El Bolock

4. Paper 144: Explainability in Emotion Detection in Social Media Text Using Distilled Transformer Models,
Safa Abu Najm and Hamid Mukhtar

Session Chair
Dr. Azza Basiouni
Liwa University

LINKli

Day 2: Sunday, 7th of December 2025 Online Sessions, 16:00 AM, UAE Time

Sessions	UAE Time	ID Range	ID1	ID2	ID3	ID4	ID5	ID6	ID7	Session Link
Session 1	16.00-17.00	1-56	1	18	21	24	52	54	56	Click Here
	17.00-18.00	57-68	57	58	61	62	65	66	68	
	18.00-19.00	69-83	69	75	77	78	79	82	83	
	19.00-20.00	84-97	84	85	88	90	95	96	97	
	20.00-21.00	98-107	98	99	101	102	103	105	107	
Session 2	16.00-17.00	108-118	108	110	112	113	114	116	118	Click Here
	17.00-18.00	124-134	124	125	128	130	131	132	134	
	18.00-19.00	136-146	136	137	141	142	143	145	146	
	19.00-20.00	147-155	147	148	149	150	151	154	155	
	20.00-21.00	158-164	158	164	111	126	92			

List of papers of the 2nd Day (Sunday, 7th of December 2025):

1	RAG-Rec: Retrieval Augmented Generation For Robust Personalized Recommendation Systems
18	PAN-KK: A Language Resource for Plagiarism Detection in Low-Resource Kazakh
21	Concept-based explanations for neural language classifiers
24	AI-Assisted Contrastive Phonological Study of Arabic and Mandarin Consonants: Error Pattern Summary
52	Arabic Legal Information Retrieval: The Impact of Morphological Segmentation and Semantic Embeddings
54	User Profile Generation from Arabic Twitter Accounts
56	Confidence Gated Fusion: Dynamic Language Model Integration for Adapting Pretrained Multilingual ASR Models with Text-Only Data
57	ArabNED: A Novel Dataset and Evaluation of Fine-Tuned vs. Zero-Shot Models for Arabic Named Entity Disambiguation
58	Generating Arabic Jurisprudential Rulings on Islamic Inheritance Using Retrieval-Augmented and Fine-Tuned Language Models
61	CyberDTD: A Multimodal Benchmark Dataset for Cyberbullying Detection in Tunisian Dialect
62	TurkLink: A Morphologically-Aware and Syntactically Enriched Corpus for Entity Linking in Turkish
65	AI-based QA system for clinical decision making
66	Domain-Specific Adaptation of Vision-Language Models for Arabic OCR
68	Querying Structured Objects via Alignment-Oriented Retrieval Method
69	Towards a Translation Framework for ‘rojak’ Language: Challenges and Early Findings
75	TurkColBERT: A Benchmark of Dense and Late-Interaction Models for Turkish Information Retrieval
77	From Clusters to Characters: USERPRINT for Cross-Dataset Transfer in LLM personalization
78	Towards Better Machine Translation of Saudi Arabian Dialects: A Parallel Corpus and Comparative Evaluation of different PLMs
79	Leveraging Large Language Models for Cyberbullying Prediction and Detection: A Multimodal Approach to Proactive Prevention and Policy Support.
82	A Scalable Platform for Collaborative Manual and Automatic Annotation with Visual Analytics in Arabic NLP
83	From Word Pairs to Context: Interpretable Sarcasm Detection via Contextual Collocation Augmentation (C2A)
84	Modular Arabic VQA System Using Pre-Trained Models
85	Saudi Dialects to MSA Machine Translation: A Systematic Evaluation of LLMs
88	Raqim: A Hybrid Framework for Arabic OCR Correction Using Dictionary-Based Methods and Large Language Models
90	LLM as a Judge: Multi-Judge Benchmarking and Agentic Uncertainty-Aware Refinement

92	Distributional Alignment of Diffusion Language Models
95	ML-Based Detection of ARP Spoofing Attacks in Internet-of-Things Environments: Comparative Study
96	Enhancing IoT Security Using Machine Learning for Port Scan Attack Detection
97	End-to-End Conformer Neural Networks for Multilingual Automatic Speech Recognition and Understanding
98	Self-Supervised Wav2Vec Representations Integrated with Recurrent Neural Networks for Speech-to-Text Applications
99	Federated Learning Models for Personalized Text Generation in Privacy-Sensitive User Settings
101	Biomedical Knowledge Graph Embeddings with Deep Learning Models for Clinical Question Answering Systems
102	Hierarchical Recurrent Neural Networks with Bayesian Dropout for Long-Sequence Language Modeling Tasks
103	Reinforcement-Learned Speech Enhancement Models for Real-Time Adaptive Human-Computer Interaction
105	A Modular Multi-Agentic Architecture for Automating Multiple-Choice Question Generation in Language Assessment
107	A rule-based model with Fuzzy matching for disease named entity recognition in Arabic biomedical texts
108	Bridging Quantitative Safety Analytics and Computational Linguistics: An LLM-Augmented Data-to-Text Framework
110	A Metaheuristic-Driven Intrusion Detection Model: Dragonfly Algorithm for Feature Selection and XGBoost Classification
111	Character Identification in Short Stories
112	XAI-Empowered Approaches to Enhance Urban Traffic Flow
113	LLM-based 3D Model Generation of Material Handling Equipment for OpenSCAD
114	Analyzing the impact of deep learning and machine learning on mental disorders: A bibliometric study
116	ARAG: An Agent-Based Hybrid Semantic-Lexical Retrieval-Augmented Generation Pipeline for Arabic Texts
118	Measuring linguistic bias in ASR: Whisper large-v3 on non-native speech versus human perception
124	Collaborative Methodology by Integrating Students, AI and Teacher to Teach English Literature for Active and Reflective Learning
125	Evaluating the Educational and Cultural Risks of Generative AI Videos in Arabic Learning Contexts
126	Advances of Informal to Formal Persian Text Conversion: A Survey
128	Interpreting Quality Ratings in Consumer Products Using AI
130	Chatbot Integration for Customer Service Using Natural Language Processing
131	An Explainable Deep Learning Framework for Accurate and Transparent Cancer Prediction Using Medical Data
132	Data-centric Contemporary e-Government Designs
134	Trends Sentiment Unveiled Through Deep Dive into Social Media Data
136	Artificial Intelligence and Machine Learning for Enhancing Arabic Fake News Detection: A BERT-Based Transformer Approach
137	Multi-Label Emotion Recognition in Low-Resource Dialects: A Case Study on Algerian Arabic with Large Language Models
141	Cyberbullying and Harassment Pattern Recognition from Social Media Data Using BiLSTM-CNN Hybrid Model
142	Elevating Cybersecurity Strategies with the Insights of Explainable AI

143	Quantum-Resistant Blockchain Protocol for Secure Smart Contracts in Cross-Border Finance
145	Hand Gesture Recognition for Human-Computer Interaction using Deep Learning Approach
146	Enhancing Disease Prediction in Healthcare through Explainable AI in Clinical Decision Support Systems
147	Revolutionizing Higher Education by Harnessing the Power of AI and Big Data for Sustainable Education
148	University Students' Perceptions of AI-Powered Language Learning: Improving English Proficiency
149	Attention-Based LipNet Architectures for Robust Visual Speech Recognition in Multimodal Interfaces
150	Sparse Mixture-of-Experts Transformers for Efficient Scaling of Large Language Models
151	Revolutionizing Language Learning: The Role of AI Chatbots in Vocabulary Growth
154	Rooting and Rerouting Resistance: an LLM-Powered Framework for Analyzing Third-space and Beginnings in Palestinian Memoirs
155	Deep Metric Learning for Iris Recognition in Head-Mounted Displays
158	The Impact of Diacritization on Visual Word Recognition in Arabic: A Cognitive Approach
164	Student or AI? Automated Detection of AI-Generated Student Essays