



THE SHARJAH INTERNATIONAL CONFERENCE ON

AI & LINGUISTICS

SICAL 2024 **REPORT**



باحثي الامارات
EMIRATES SCHOLAR
مركز بحوث ودراسات علمية
Scientific Research Center

AUS

American
University
of Sharjah

17-18 Oct, 2024

📍 American University of Sharjah

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WWW.AI-LINGUISTICSCONFERENCE.COM





DEDICATION:

We are pleased to present this report for The Sharjah International Conference on AI & Linguistics (SICAL 2024), a testament to the forward-thinking leadership of the United Arab Emirates. Within these pages, we recognize your contributions toward advancing understanding and support in the fields of artificial intelligence and linguistics. We look forward to furthering our collaborative efforts toward fostering innovation and promoting positive global connections.

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Emirates Scholar Center for Research & Studies



HIS HIGHNESS SHEIKH DR. SULTAN BIN MOHAMMED AL QASIMI

MEMBER OF THE UAE SUPREME COUNCIL
& RULER OF SHARJAH, THE EMIRATE OF SHARJAH

In the Name of Allah, the Most Merciful, the Most Compassionate. Peace and blessings upon the noblest of all messengers, our master Muhammad, and upon his family and companions, all together. Honorable audience, esteemed scholars, peace be upon you and the mercy and blessings of Allah. It is a source of pride and joy for us to welcome you all to this cultural, academic, and scientific event. This great event has been eagerly awaited by Sharjah for a long time, as it brings together the fields of linguistic scientific research with computational and technological studies. Today, linguistic scholars join with experts in computer science and artificial intelligence, alongside policymakers interested in linguistic matters. Here, within the halls of the American University of Sharjah, we study and discuss this important topic of our modern era. The world of artificial intelligence today is vast and open to all possibilities, presenting us with numerous challenges. Every day, even every hour, we witness new scientific advancements worldwide. Thanks to the profound and creative research in the field of artificial intelligence, scientific breakthroughs and significant discoveries have bridged distances, simplified complexities, and allowed us to benefit from innovations across the globe. The explosion of information technology impacts not only the material world but also has a profound relationship with global languages. The more scientific progress we achieve, the greater the opportunities for communication, benefit, development, and prosperity for all communities and nations. For this reason, we have opened our hearts and institutions to all of you in Sharjah, a center of science and culture, to explore the connections between artificial intelligence and global languages. Since the journey of knowledge and computing has begun, we are determined to be among the pioneers on this journey. We extend our hands to assist you, providing as much support as we can to advance computational research in the Arabic language. By Allah's grace, in Sharjah, we and our team of researchers from various Arabic linguistic academies have recently completed the monumental Historical IFV Dictionary of the Arabic Language, comprising volumes. This is a remarkable achievement in the field of lexicography, for which we have invested much effort, time, and resources. We have always said, and continue to say, that everything in service of the Arabic language is easy and worthwhile. Now, we enter the field of developing this lexicographic work through artificial intelligence. We offer the

entire historical dictionary we have completed to serve computational studies, so that benefit may spread, knowledge flourish, and peace prevail across all parts of the world. I advise my dear students and researchers in all universities in the Emirate of Sharjah and beyond, and at the Arabic Language Academy in Sharjah, to strive to harmonize linguistic studies with computational studies, as I am convinced that the future lies in computational science. I also encourage them to diligently present all that is beneficial and valuable on global internet platforms. Knowledge must be guided by the principles of ethics, peace, national values, the constants of our nation, and the foundation of our culture and noble traditions. Thank you for your kind attention. I wish you success in this scientific conference and hope that you derive valuable outcomes beneficial to all nations and peoples. Peace be upon you and the mercy and blessings of Allah.



HER EXCELLENCY SHEIKHA BODOUR BINT SULTAN AL QASIMI

Chairperson of the Board of Trustees
and President of the American University of Sharjah

Your Highness Sheikh Dr. Sultan bin Muhammad Al Qasimi, Member of the Supreme Council, Ruler of Sharjah, Honorable Guests, Ladies and Gentlemen, Peace be upon you and the mercy of Allah and His blessings. I warmly welcome you all to the Sharjah International Conference on Linguistic Intelligence. Today, we gather here in the Emirate of Sharjah, which has become, thanks to the vision and tremendous efforts of His Highness Sheikh Dr. Sultan bin Muhammad Al Qasimi, a pioneering global center for preserving, developing, and promoting the Arabic language, enhancing its role in enriching global cultural diversity. We are here today to discuss a topic of immense importance, not only for our present but also for the future of our coming generations: artificial intelligence, its applications, and its profound impact on language and cultural identity. This rapidly evolving technology opens up limitless opportunities and horizons; however, it also brings challenges that require us to address them with foresight and rationality. As artificial intelligence technologies advance swiftly, our responsibility increases to ensure that these innovations enhance our linguistic and cultural identity, turning them into effective tools for protecting it from the currents of digital globalization. We must be keen to ensure that this technology serves our language and heritage, rather than becoming a cause for the erosion of our identity or the loss of our cultural uniqueness. The responsibility of preserving the linguistic identity of societies, in the context of the rapid development of artificial intelligence programs, does not rest solely on academics, government institutions, or technology specialists. Instead, it is a collective responsibility that every member of society must bear. In this context, I extend sincere congratulations and gratitude to His Highness Sheikh Dr. Sultan bin Muhammad Al Qasimi for the remarkable achievement of the release of the Historical Dictionary of the Arabic Language, comprising one volumes, which (ITV) hundred and twenty-seven marks a milestone in the journey to preserve our ancient language. This monumental work not only contributes to documenting the Arabic language but also reaffirms its significance as a bridge that connects our civilization, heritage, and future. I would also like to highlight the efforts we undertake at the American University of Sharjah to promote the role of the Arabic language and integrate it into the digital world. We have launched the Center for

Arab and Islamic Studies, through which we strive to harness artificial intelligence technologies in Arabic studies and linguistics, as well as to strengthen research in the fields of linguistic intelligence. These initiatives and others reaffirm our collective commitment in the Emirate of Sharjah to preserving our language and identity, enhancing their ability to adapt to artificial intelligence and other advanced technologies in the future. In conclusion, we hope this conference will contribute to finding practical solutions and ideas to achieve equitable and balanced integration of all languages and cultures within artificial intelligence applications, avoiding any bias or marginalization of any language or culture. We aspire to a future that serves all, and we look forward to seeing the discussions in this conference become a significant step towards directing artificial intelligence to serve humanity, ensuring a more just and balanced future for everyone. Once again, I welcome you all, this distinguished gathering of experts, academics, and thought leaders from around the world, and I wish you all success in the activities of this conference. Peace be upon you and the mercy of Allah and His blessings.



DR. TOD LAURSEN

Chancellor of American University of Sharjah (AUS)

Given the rapid advancement of AI technology, this conference is a vital platform for the business, government and academic communities in the UAE to collectively evaluate how AI and natural language processing are transforming global communications. We are delighted to support this important discussion through strong participation from AUS. Speakers and guests will leave with a deeper understanding of how AI is transforming the landscape of linguistics and communication,



DR. FIRAS HABBAL

President / Vice-Chancellor
Emirates Scholar Center for Research & Studies

SICAL 2024 is poised to be an essential event for those committed to driving innovation in artificial intelligence and linguistics. The conference will provide a unique platform for the exchange of ideas, knowledge, and groundbreaking research, with the potential to reshape these fields. By fostering dialogue between Technology leaders and experts from around the world, SICAL 2024 aims to deliver concrete results that will push the boundaries of what's possible in technology and language.



H.E DR ABDULLAH BELHAIF AL NUAIMI

Chairman of Sharjah Consultative Council
Chancellor of Emirates Scholar Center for Research and Studies

This conference represents a monumental leap for Sharjah's growing reputation as a center for scientific inquiry and global cooperation in research. The Emirates Scholar Center is deeply committed to advancing this vision by integrating AI with linguistic studies, fostering global collaborations, and driving forward innovations in communication technologies that respect and preserve cultural identities. Through our concerted efforts, we aim to bridge the gap between technology and culture, ensuring that the impact of AI extends far beyond the technical realm." and technology.



DR. FAWAZ HABBAL

Director General
Emirates Scholar Center for Research & Studies

Our commitment lies in harnessing the power of AI to advance linguistic research and foster meaningful global collaboration. This conference embodies our vision to bridge cultural identities and technology, empowering scholars and innovators to drive forward a future where AI respects and enhances the diversity of human language. Through SICAL, we aim to pave the way for research that reshapes communication and nurtures a more connected, inclusive world.

ABOUT

EMIRATES SCHOLAR CENTER FOR RESEARCH
& STUDIES & AMERICAN UNIVERSITY OF SHARJAH

01

American University of Sharjah (AUS) was founded in 1997 by His Highness Sheikh Dr. Sultan bin Mohammed Al Qasimi, Member of the Supreme Council of the United Arab Emirates and Ruler of Sharjah. Sheikh Sultan articulated his vision of a distinctive institution against the backdrop of Islamic history and in the context of the aspirations and needs of contemporary society in the UAE and the Gulf region. Firmly grounded in principles

AUS

American University of Sharjah



of meritocracy and with a strong reputation for academic excellence, AUS has come to represent the very best in teaching and research, accredited internationally and recognized by employers the world over for creating graduates equipped with the knowledge, skills and drive to lead in the 21st century.



Emirates Scholar Center for Research and Studies (ESCRS) is a premier independent institution dedicated to advancing academic research in the UAE and the Arab region. Our mission is to enrich public discourse, inform decision-making, and foster innovation through rigorous research, scholarly publications, and impactful conferences and seminars. Collaborating with academic, governmental, and private sector partners, we



promote interdisciplinary research and knowledge exchange to address regional challenges and opportunities. ESCRS aspires to be a recognized hub of research excellence, driving positive societal change and contributing to global knowledge networks through evidence-based research and informed policy recommendations.





AT
GLANCE

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ABOUT OF THE CONFERENCE:

THE SHARJAH INTERNATIONAL CONFERENCE ON AI & LINGUISTICS stands as a beacon for exploration and understanding in the world of languages and their fundamental relationship with community development and cultural identity. Hosted in the Emirate of Sharjah, renowned for its rich history and vibrant culture, this conference aims to bring together the brightest minds in linguistics, artificial intelligence, and natural language processing to delve into the complexities of language origins, structures, and their crucial roles in shaping human experience and societal growth. The conference aims to shed light on the impact of linguistic diversity and cultural heritage, comparing them with other languages of the world. Additionally, it seeks to study



the influence of technological advancement on language learning, preservation, and evolution. By promoting dynamic exchange of ideas, research, and innovations, the conference aspires to delineate new boundaries in linguistic studies, encouraging global cooperation and policy-making that supports linguistic diversity as a cornerstone for cultural development and mutual understanding.

CONFERENCE GOALS:

1

GLOBAL KNOWLEDGE EXCHANGE

SHARE PIONEERING INSIGHTS AND BEST PRACTICES IN AI AND LINGUISTICS WITH THE GLOBAL COMMUNITY TO ACCELERATE THE ADOPTION OF SAFE AND EFFECTIVE APPLICATIONS ACROSS SECTORS.

2

HIGHLIGHT OF CUTTING-EDGE RESEARCH

PRESENT RESEARCH FROM THE PILOT STAGES OF INNOVATIVE PROJECTS THAT INTEGRATE AI IN LANGUAGE PROCESSING, SHOWCASING MODELS THAT LEVERAGE GLOBAL BEST PRACTICES.

7

EDUCATIONAL OUTREACH AND ENGAGEMENT

PROMOTE WIDESPREAD PARTICIPATION AND MEDIA OUTREACH TO INCREASE PUBLIC AWARENESS AND UNDERSTANDING OF AI AND LINGUISTICS ADVANCEMENTS, FULFILLING AN IMPACTFUL EDUCATIONAL MISSION.

8

CREATE COLLABORATIVE WORKING GROUPS

FORM DEDICATED WORKING GROUPS TO FACILITATE INTERNATIONAL COLLABORATION ON RESEARCH AND IMPLEMENTATION, ENSURING THE PRACTICAL APPLICATION OF FINDINGS IN DIVERSE ENVIRONMENTS.

3

SHOWCASE IN INCLUSIVE TECHNOLOGY

DEMONSTRATE ADVANCED MODELS FOR INCLUSIVE LANGUAGE TECHNOLOGY, HIGHLIGHTING THE ROLE OF AI IN ENHANCING COMMUNICATION ACCESSIBILITY FOR INDIVIDUALS WITH DIVERSE COGNITIVE NEEDS.

4

ENCOURAGE INTERNATIONAL ADAPTATION

FACILITATE DISCUSSIONS ON THE ADAPTATION AND IMPLEMENTATION OF PROJECT OUTCOMES IN INTERNATIONAL CONTEXTS TO EXPAND THE GLOBAL IMPACT OF AI AND LINGUISTICS INNOVATIONS.

9

ENCOURAGE POLICY AND INDUSTRY INTEGRATION

ENGAGE POLICYMAKERS AND INDUSTRY LEADERS TO DISCUSS THE INTEGRATION OF AI AND LINGUISTIC INNOVATIONS, ESTABLISHING GUIDELINES FOR ETHICAL AND IMPACTFUL USE.

10

SET A PATHWAY FOR FUTURE INNOVATIONS

LAY A FOUNDATION FOR LONG-TERM ADVANCEMENTS IN AIDRIVEN LINGUISTIC MODELS, FOCUSING ON IMPROVING DIAGNOSTIC METHODS, LANGUAGE PROCESSING, AND AI DRIVEN INTERVENTION STRATEGIES.

5

EXHIBIT BREAKTHROUGHS IN COMPUTATIONAL LINGUISTICS

HIGHLIGHT GROUNDBREAKING RESEARCH AND DEVELOPMENTS IN COMPUTATIONAL LINGUISTICS AND LANGUAGE TECHNOLOGIES THAT CATER TO DIVERSE PRACTICAL AND RESEARCH NEEDS.

6

PROMOTE CROSS-DISCIPLINARY COLLABORATIONS

FOSTER A MULTIDISCIPLINARY EXCHANGE OF IDEAS TO ENRICH AI APPLICATIONS ACROSS FIELDS LIKE LINGUISTICS, NEUROSCIENCE, AND SOCIAL SCIENCES, ADVANCING A HOLISTIC APPROACH TO LANGUAGE TECHNOLOGY.

PARTICIPANTS COUNTRIES:



Australia



German

Poland



India



Ukraine



Byelorussia



Greece



Russia



Italy



United Arab Emirates



Canda



Lithuania



Saudi Arabia



Kuwait



United Kingdom



Egypt



New Zealand



Hong Kong



Lebanon



United States of America



France



Norway



Hungary



Turkey



Netherlands

COMMITTEES

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STEERING COMMITTEE:

COMMITTEE CHAIR

DR. ABDULLATIF AL SHAMSI

Academic advisor in the Executive Office of Sheikha
Bodour bint Sultan Al Qasimi



DR. TOD LAURSEN

Chancellor of American University of Sharjah
(AUS)



DR. FIRAS HABBAL

President / Vice-Chancellor - Emirates
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DR. MOHAMED EL-TARHUNI

Interim Vice Chancellor for Academic Affairs
and Provost at American University of
Sharjah



DR. FAWAZ HABBAL

Director-General - Emirates Scholar Center
for Research & Studies



DR. MAHMOUD ANABTAWI

Dean of the College of Arts and Sciences at American
University of Sharjah



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Associate Professor of Linguistics American University
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Professor of Linguistics - American University of
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Assistant Professor of Linguistics English Department
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DR. KRISTEN HIGHLAND

Head of the Department of English - American
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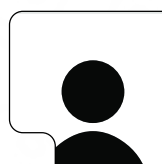
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Research & Studies



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RAMI MOHEEB'H JABR

Senior Manager Corporate Relations - American
University of Sharjah



OUTCOMES & RECOMMENDATIONS

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OUTCOMES:

1

LONG-TERM IMPACT ON LANGUAGE POLICY AND EDUCATION

INSPIRING CHANGES IN LANGUAGE POLICIES AND EDUCATIONAL APPROACHES TO INCORPORATE AI AND DIGITAL LINGUISTICS, SUPPORTING MORE INCLUSIVE AND TECHNOLOGICALLY ENRICHED LANGUAGE LEARNING ENVIRONMENTS.

2

INSIGHTFUL CONTRIBUTIONS TO AI-DRIVEN LINGUISTIC RESEARCH

SHOWCASING CUTTING-EDGE ADVANCEMENTS IN AI THAT ENHANCE LINGUISTIC ANALYSIS, INCLUDING DEVELOPMENTS IN NATURAL LANGUAGE PROCESSING, SYNTAX ANALYSIS, AND AI-DRIVEN LANGUAGE MODELS.

7

PUBLISHED PROCEEDINGS AND RESEARCH PAPERS

COMPILING CONFERENCE FINDINGS INTO A COLLECTION OF RESEARCH PAPERS AND PROCEEDINGS THAT DOCUMENT THE LATEST ADVANCEMENTS AND TRENDS IN AI AND LINGUISTICS.

8

POLICY RECOMMENDATIONS AND FRAMEWORKS

DEVELOPING POLICY GUIDELINES THAT PROMOTE THE RESPONSIBLE USE OF AI IN LINGUISTIC APPLICATIONS, PARTICULARLY IN EDUCATION AND CULTURAL PRESERVATION.

3

INTERDISCIPLINARY COLLABORATION AND NETWORKING

BUILDING A STRONG NETWORK OF AI RESEARCHERS, LINGUISTS, EDUCATORS, AND CULTURAL EXPERTS WHO WILL COLLABORATE ON FUTURE INTERDISCIPLINARY PROJECTS AND INITIATIVES.

4

PROMOTION OF MULTILINGUAL AI SOLUTIONS

DEMONSTRATING THE POTENTIAL OF AI TO SUPPORT MULTILINGUALISM BY CREATING TOOLS THAT FACILITATE CROSS-LINGUISTIC UNDERSTANDING AND COMMUNICATION ON A GLOBAL SCALE.

9

FRAMEWORK FOR FUTURE AI & LINGUISTICS INITIATIVES

ESTABLISHING A FOUNDATION FOR FUTURE COLLABORATIVE PROJECTS, CONFERENCES, AND INITIATIVES THAT EXPLORE THE INTERSECTION OF AI AND LINGUISTICS.

10

EDUCATIONAL RESOURCES AND TOOLKITS

CREATING PRACTICAL EDUCATIONAL RESOURCES, TOOLKITS, AND AI MODELS FOR ATTENDEES TO APPLY IN THEIR RESEARCH, TEACHING, AND PROFESSIONAL WORK.

5

ADVANCEMENTS IN LANGUAGE LEARNING TECHNOLOGIES

HIGHLIGHTING AI INNOVATIONS THAT ENABLE PERSONALIZED AND ADAPTIVE LANGUAGE LEARNING EXPERIENCES, MAKING LANGUAGE EDUCATION MORE EFFECTIVE AND ACCESSIBLE.

6

ETHICAL AND SOCIETAL IMPLICATIONS

ADDRESSING CRITICAL ETHICAL CONCERNS AROUND AI USE, SUCH AS DATA PRIVACY, ALGORITHMIC BIAS, AND THE NEED TO PRESERVE LINGUISTIC DIVERSITY IN THE DIGITAL AGE.



11

INDUSTRY-ACADEMIC PARTNERSHIPS

ENCOURAGING COLLABORATIONS BETWEEN ACADEMIA AND INDUSTRY TO DRIVE APPLIED AI-LINGUISTICS INNOVATIONS THAT ADDRESS REAL-WORLD CHALLENGES.

12

NEW RESEARCH AREAS IN COMPUTATIONAL LINGUISTICS

IDENTIFYING AND DEFINING EMERGING AREAS WITHIN COMPUTATIONAL LINGUISTICS, PAVING THE WAY FOR FURTHER RESEARCH AND FUNDING OPPORTUNITIES.

17

CREATION OF COLLABORATIVE DATABASES AND RESOURCES

INITIATING SHARED RESOURCES, SUCH AS LINGUISTIC DATASETS, AI MODELS, AND OPEN-SOURCE TOOLS, FOSTERING GLOBAL COLLABORATION IN LINGUISTICS RESEARCH.

18

ENHANCED AI-DRIVEN TRANSLATION TOOLS

SHOWCASING INNOVATIONS IN AUTOMATED TRANSLATION, ESPECIALLY FOR LESS-REPRESENTED LANGUAGES, PROMOTING INCLUSIVITY IN GLOBAL COMMUNICATION.

13

INSIGHTS ON AI'S IMPACT ON LANGUAGE PRESERVATION

EXPLORING AI'S ROLE IN DOCUMENTING AND REVITALIZING ENDANGERED LANGUAGES, CONTRIBUTING TO CULTURAL PRESERVATION EFFORTS.

14

PRACTICAL SOLUTIONS FOR CROSS-CULTURAL COMMUNICATION

PRESENTING AI-DRIVEN TOOLS AND METHODS THAT FACILITATE SEAMLESS REAL-TIME, CROSS-CULTURAL COMMUNICATION, REDUCING LANGUAGE BARRIERS GLOBALLY.

19

CAREER DEVELOPMENT AND MENTORSHIP OPPORTUNITIES

PROVIDING NETWORKING OPPORTUNITIES FOR EMERGING RESEARCHERS TO CONNECT WITH MENTORS AND INDUSTRY LEADERS, SUPPORTING THEIR PROFESSIONAL GROWTH.

20

RECOGNITION OF SHARJAH AS A THOUGHT LEADER IN AI AND LINGUISTICS

POSITIONING SHARJAH AS A GLOBAL HUB FOR AI-DRIVEN LINGUISTIC AND CULTURAL RESEARCH, STRENGTHENING ITS REPUTATION AS A PIONEER IN THESE FIELDS.

15

ADVANCES IN SENTIMENT ANALYSIS AND SOCIOLINGUISTICS

SHARING AI TECHNIQUES THAT ANALYZE SENTIMENT, REGIONAL DIALECTS, AND SOCIOLINGUISTIC PATTERNS, CONTRIBUTING TO MORE NUANCED UNDERSTANDING OF LANGUAGE USE.

16

WORKSHOPS AND TRAINING FOR SKILL DEVELOPMENT

OFFERING HANDS-ON SESSIONS THAT EQUIP PARTICIPANTS WITH PRACTICAL SKILLS IN AI AND NLP APPLICATIONS IN LINGUISTICS, ENHANCING PROFESSIONAL DEVELOPMENT.



RECOMMENDATIONS:

1

DEVELOP AI-ENHANCED LANGUAGE POLICIES

ENCOURAGE POLICYMAKERS TO CREATE AI-DRIVEN LANGUAGE POLICIES THAT ADDRESS LINGUISTIC DIVERSITY, ACCESSIBILITY, AND PRESERVATION IN DIGITAL SPACES.

2

INCORPORATE AI TOOLS IN LANGUAGE EDUCATION

RECOMMEND THAT EDUCATIONAL INSTITUTIONS INTEGRATE AI TECHNOLOGIES INTO LANGUAGE CURRICULA, ENHANCING ADAPTIVE LEARNING AND PERSONALIZED LANGUAGE ACQUISITION.

7

CREATE A GLOBAL AI & LINGUISTICS RESEARCH NETWORK

BUILD AN INTERNATIONAL NETWORK OF RESEARCHERS, EDUCATORS, AND POLICYMAKERS COMMITTED TO ADVANCING AI-DRIVEN LINGUISTICS SOLUTIONS.

8

ORGANIZE REGULAR WORKSHOPS AND TRAINING PROGRAMS

HOLD WORKSHOPS ON AI AND LINGUISTICS, WITH PRACTICAL TRAINING ON EMERGING TOOLS AND TECHNIQUES, ENSURING ONGOING SKILL DEVELOPMENT FOR PROFESSIONALS.

3

ENCOURAGE INTERDISCIPLINARY RESEARCH INITIATIVES

FOSTER COLLABORATION BETWEEN LINGUISTS, AI RESEARCHERS, AND CULTURAL EXPERTS TO PURSUE INNOVATIVE PROJECTS THAT COMBINE EXPERTISE FROM DIVERSE FIELDS.

4

PRIORITIZE MULTILINGUAL AI DEVELOPMENT

SUPPORT THE CREATION OF AI TOOLS THAT ARE OPTIMIZED FOR MULTIPLE LANGUAGES, ESPECIALLY UNDERREPRESENTED LANGUAGES, TO PROMOTE INCLUSIVITY.

9

SUPPORT OPEN-SOURCE LINGUISTIC DATASETS AND TOOLS

ADVOCATE FOR THE CREATION AND SHARING OF OPEN-SOURCE DATASETS AND AI MODELS IN LINGUISTICS TO SUPPORT GLOBAL COLLABORATION AND INNOVATION.

10

PROMOTE AI-POWERED LANGUAGE TRANSLATION FOR ACCESSIBILITY

ENCOURAGE THE DEVELOPMENT OF ADVANCED TRANSLATION TOOLS TO REDUCE LANGUAGE BARRIERS AND PROMOTE ACCESS TO INFORMATION ACROSS CULTURES.

5

ESTABLISH ETHICAL GUIDELINES FOR AI IN LINGUISTICS

DEVELOP ETHICAL FRAMEWORKS THAT ADDRESS PRIVACY, BIAS, AND FAIRNESS IN AI APPLICATIONS USED IN LINGUISTICS AND LANGUAGE LEARNING.

6

INVEST IN AI RESEARCH FOR LANGUAGE PRESERVATION

ALLOCATE RESOURCES TO AI PROJECTS FOCUSED ON DOCUMENTING, REVITALIZING, AND PROMOTING ENDANGERED AND MINORITY LANGUAGES.

11

STRENGTHEN INDUSTRY-ACADEMIC PARTNERSHIPS

FACILITATE PARTNERSHIPS BETWEEN INDUSTRY LEADERS AND ACADEMIC INSTITUTIONS TO CREATE REAL-WORLD AI APPLICATIONS IN LANGUAGE PROCESSING.

12

ADVANCE SENTIMENT AND SOCIAL LINGUISTIC ANALYSIS

INVEST IN AI-DRIVEN RESEARCH ON SENTIMENT AND SOCIAL LINGUISTICS TO GAIN INSIGHTS INTO CULTURAL EXPRESSIONS, REGIONAL DIALECTS, AND LANGUAGE TRENDS.

13

DEVELOP AI SOLUTIONS FOR CROSS-CULTURAL COMMUNICATION

ENCOURAGE THE CREATION OF REAL-TIME AI TRANSLATION AND COMMUNICATION TOOLS TO IMPROVE INTERCULTURAL UNDERSTANDING AND COLLABORATION.

14

PUBLISH AN ANNUAL REPORT ON AI AND LINGUISTIC INNOVATION

RELEASE A YEARLY REPORT SUMMARIZING ADVANCEMENTS, ETHICAL CONSIDERATIONS, AND BEST PRACTICES IN AI AND LINGUISTICS.

15

LAUNCH CAREER DEVELOPMENT PROGRAMS IN AI AND LINGUISTICS

SUPPORT MENTORSHIP AND CAREER DEVELOPMENT OPPORTUNITIES FOR EMERGING RESEARCHERS AND STUDENTS INTERESTED IN THE INTERSECTION OF AI AND LINGUISTICS.

16

ENCOURAGE RESEARCH ON AI-DRIVEN LINGUISTIC DIVERSITY

PROMOTE STUDIES ON HOW AI IMPACTS LINGUISTIC DIVERSITY AND THE CULTURAL IMPLICATIONS OF ALGORITHMIC INFLUENCE ON LANGUAGE USE.



17

INVOLVE LOCAL AND GLOBAL COMMUNITIES IN AI PROJECTS

RECOMMEND PARTICIPATORY RESEARCH THAT INVOLVES LOCAL COMMUNITIES TO ENSURE THAT AI PROJECTS REFLECT THE CULTURAL NUANCES OF EACH LANGUAGE.

18

DEVELOP AI-BASED TOOLS FOR ENHANCED LANGUAGE LEARNING

INVEST IN TOOLS THAT USE MACHINE LEARNING TO OFFER REAL-TIME FEEDBACK, PRACTICE, AND ASSESSMENTS FOR LANGUAGE LEARNERS.



19

PROMOTE SHARJAH AS AN AI-LINGUISTICS KNOWLEDGE HUB

POSITION SHARJAH AS A GLOBAL CENTER FOR AI AND LINGUISTIC RESEARCH, ATTRACTING TALENT AND FOSTERING THOUGHT LEADERSHIP IN THIS FIELD.

20

ENGAGE STAKEHOLDERS IN POLICY DEVELOPMENT FOR AI-LINGUISTICS

INVOLVE GOVERNMENT BODIES, ACADEMIA, AND INDUSTRY IN THE FORMULATION OF POLICIES THAT GOVERN THE RESPONSIBLE USE OF AI IN LINGUISTICS.

ACHIEVEMENT

15



55

Field Experts



80

Government Officials



210 + 486

Academics & Students



46

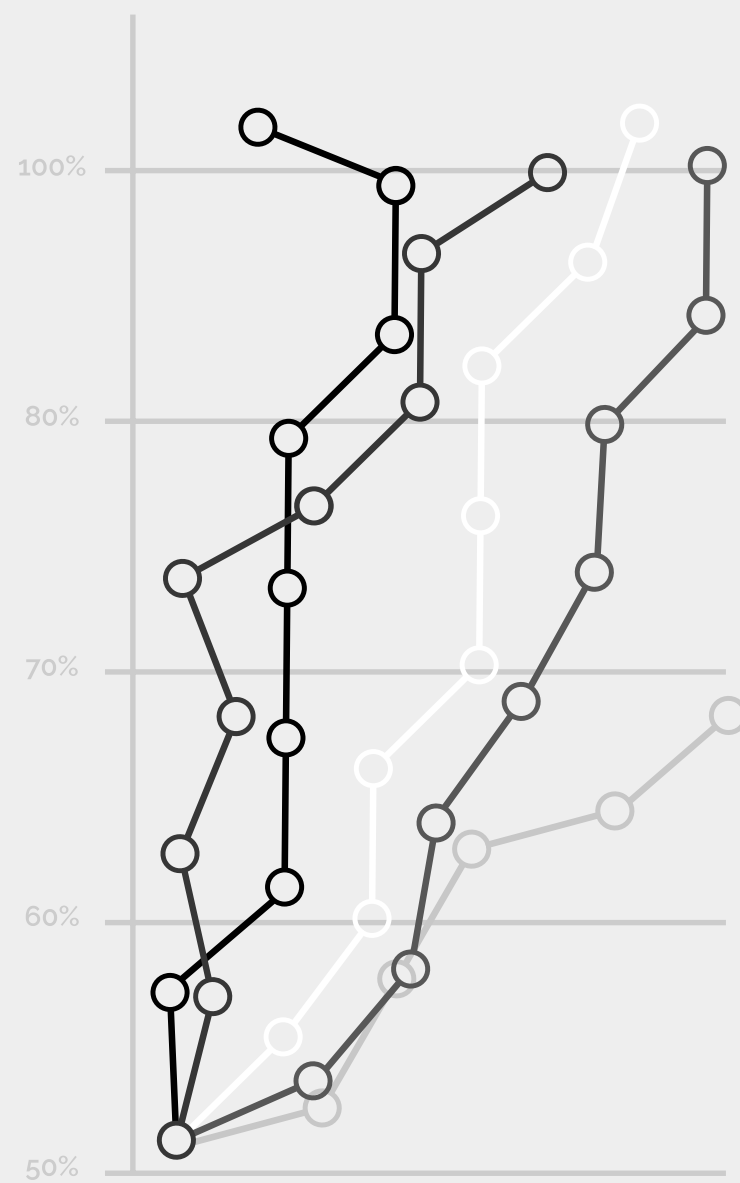
Business & Delegates

2.18 M_{AED}

TOTAL COST

633

ATTENDEES



55

Total Speakers

419

Total Delegates

102

Total VIP

32

Total Committees Members

80

Total Media Persons

7.86 K_{AED}

Sponsors Revenue

13 K_{AED}

Tickets Revenue

1.38 M_{AED}

Financial Deficit



PARTNERS & PARTICIPANTS

16

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17

هيئة الشارقة
للاستثمار والتطوير
SHARJAH INVESTMENT AND
DEVELOPMENT AUTHORITY



ABOUT SHUROOQ:

Guided by the traditions of the Emirate of Sharjah and driven by futuristic innovation, Shurooq boasts a rapidly expanding and diverse portfolio of developments in six key market sectors including hospitality, real estate, malls and leisure, Investments and partnerships, arts & culture, and investment promotion, across Sharjah's western, central and eastern regions. Shurooq's portfolio of projects reflects its mission to enhance long-term investment prospects offered by Sharjah to businesses, SMEs and startups across a wide range of sectors. Furthering this goal, the authority has been driving Sharjah's Public Private Partnerships (PPPs) through joint



ventures with key local and global brands. Through each of its focus sectors, Shurooq takes the responsibility of driving investments and creating new partnerships that effectively boost Sharjah's economy and FDI growth, working closely in partnership with numerous local and federal entities contributing Sharjah and UAE's economic standing and development.



ABOUT GEMINOS:

Geminos Commercial Information Service stands as a premier global technology research and advisory group, a trusted partner to over 100 clients worldwide. We are dedicated to empowering corporations, public sector organizations, and technology providers with the tools and insights they need for operational excellence and accelerated growth. Our expertise spans a range of digital transformation services, including automation, cloud computing, data analytics, sourcing advisory, managed governance and risk services, network carrier solutions, strategic operations design, change management, market intelligence, and advanced technology



research. Our global team, known for its innovative thinking, market influence, and unparalleled industry and technology knowledge, offers world-class research and analytical insights grounded in the most comprehensive market data available, helping clients navigate today's complex marketplace with confidence.



 **THE RIAD T. AL SADEK FUND
FOR ARAB STUDIES AND ISLAMIC CIVILIZATIONS AT AUS**

ABOUT RTS FUND:

Through the establishment of the Center for Arab Studies and Islamic Civilizations (CASIC) at the American University of Sharjah (AUS), the university will focus on meeting the demand for comprehensive insights into the intertwined histories, cultures, arts, societies, economies, and current dynamics of the Arab and Islamic worlds, leveraging an established body of over 50 research-active faculty. AUS' vision for CASIC is to create a global epicenter for interdisciplinary research on the Arab and Islamic worlds. This center will unite experts from diverse fields within AUS to conduct innovative and collaborative research spanning the region's history, cultures, arts,



contemporary dynamics, and diasporas. Nestled within the AUS College of Arts and Sciences, CASIC will elevate the university's research stature, cementing its position as a thought leader in this vital domain. Moreover, it will facilitate knowledge dissemination, forge strategic partnerships with local and international entities, and nurture talent through various programs such as graduate student research, post-doctoral fellowships, and visiting scholar initiatives. As a founding

contributor to CASIC, the establishment of "The Riad T. El Sadek Fund for Arab Studies and Islamic Civilizations" aims to contribute significantly towards the preservation of the Arab and Islamic heritage through advancing cutting-edge research at AUS in line with its vision. This, as a result, will also propel the university forward as a leading institution globally renowned for academic and research excellence.





ABOUT CITESCHOLAR:

At CiteScholar, we are dedicated to facilitating connections to knowledge that have the potential to reshape our world. As a prominent presence in the global arena, we specialize in providing



trusted and revolutionary intelligence. Our platform is designed to integrate comprehensive data, valuable insights, advanced analytics, and seamless workflow solutions, all underpinned by extensive expertise across various domains of knowledge, research, and innovation. Whether it's revolutionizing the water industry through informed insights or expediting the distribution of vital vaccines, our mission is to propel the most significant breakthroughs worldwide by tapping into the boundless potential of human creativity and intellect.



ABOUT GULF BUSINESS MACHINES (GBM):

We offer the region's broadest portfolio of solutions, including industry-leading infrastructure, digital business solutions, security, and services. With more than 34 years of experience, 7 offices and over 1500 employees across the region - Gulf Business Machines (GBM) is a leading end-to-end digital solutions provider, offering the region's broadest portfolio, including industry-leading digital infrastructure, digital business solutions, security and services. We have nurtured partnerships with the world's leading technology companies and invested in a talented, skilled workforce to implement solutions that cater to customer's specific, complex and diverse business needs. With

on-the ground, readily available expertise, GBM provides round-the-clock support to customers across the region.



ABOUT SHARJAH MUSEUMS AUTHORITY:

As directed by His Highness Sheikh Dr. Sultan bin Mohammed AlQasimi, Supreme Council Member and Ruler of Sharjah, the Sharjah Museums Authority — SMA was established



in 2006 as an autonomous government authority. SMA links and oversees 16 museums across Sharjah that cover widely varied fields, including Islamic art and culture, archaeology, heritage, science, marine life, as well as the history of Sharjah and the region. Being a cultural beacon that enhances Sharjah's identity locally and internationally and contribute to nurturing a community aware of museums' importance as a cultural, educational and enjoyable destination, SMA aims to deliver the highest museum standards to preserve collections & enhance an appreciation of culture and learning through our exhibitions, educational and community programs.





SPEAKERS LIST

108



H.H SHEIKH DR. SULTAN BIN MOHAMMED AL QASIMI

Member of the UAE Supreme Council and Ruler of Sharjah



H.E SHEIKHA BODOUR BINT SULTAN AL QASIMI

Chairperson of the Board of Trustees
and President of the American University of Sharjah



IMED ZITOUNI

Director of Google Engineering



H.E AHMED FOUAD HANNO

Minister of Culture
Arab Republic of Egypt



H.E ASHRAF EL-SHIHY

Former Minister of Higher Education
and Scientific Research
Arab Republic of Egypt



SHEIKH SULTAN SUOODAL-QASSEMI

Founder
Barjeel Art Foundation, Sharjah, UAE



H.E AMBASSADOR LORENZO FANARA

Ambassador of Italy to the UAE



MOHAMED SAFI MOSTEGHANEMI

Secretary-General
The Arabic Language Academy in Sharjah



FIRAS HABBAL

President / Vice-Chancellor
Emirates Scholar Center for Research
& Studies



FAWAZ HABBAL

Director-General
Emirates Scholar Center for Research
& Studies



HASSAN SAWAF

Founder and CEO aiXplain



DOROTHY GORDON

Former chair - Information
for All Program - UNESCO



PHILIP MCCARTHY

Associate Professor of Linguistics - AUS



KRISTEN HIGHLAND

Head of the Department of English - AUS



OZGUR PARLAK

Assistant Professor of Linguistics - AUS



SAID FAIQ

Professor of Intercultural
Studies and Translation - AUS



ALI ALBLOOSHI

Undergraduate Student - AUS



ELIZABETH TOPOLSKAYA

Content Strategy and
Production Director
Pearson



HAZEM ALI

Founder & CEO
Skytell Inc.



MOHAMED MOSHRIF

GenAI & LLMs
Engineering Manager
Google



SHANTANU GODBOLE

Head, IBM Middle East Research Center



MAI ZAKI

Associate Professor of Arabic and Linguistics
- AUS



AYMAN ZAHARAN

Faculty of Humanities
City University - Ajman



AHMAD AL-ISSA

Associate Dean of College
of Arts and Sciences and
Professor of Linguistics - AUS



H.E ABDULAZIZ ALMUSALLAM

Chairman
Sharjah Institute for Heritage



MESUT IDRIZ

Professor of History and
Islamic Civilization
University of Sharjah



MAJDI BIN HAJI IBRAHIM

Chief of the Center of Arabic
Language for Non-Arabic Speakers-ICESCO



IMRAN ZUALKERNAN

Professor of Computer Science and Engineering - AUS



EISA AL HAMMADI

General Manager
Arab League Education Center of Gulf State



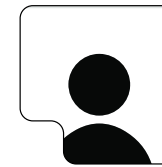
WAEI ISSA

Member of the Executive
Committee Arabic Language
Research Center (CARA).



SEBAH AL-ALI

Visiting Assistant Professor of English - AUS



ANEGHA VADASSERY SAJAN

MATESOL Student - AUS



EMAN BUSHULAIBI

Director of Sharjah Public Library
Sharjah Book Authority



IBRAHIM MOHAMMED

Head of the Arabic Language
and Testing Unit at the Continuing
Education Center
United Arab Emirates University



GHOFRANE LAHIB

Undergraduate Student- AUS



MRS. FATMA AL MAZROUEI

Head of the Historical Archives
Section at the National Library
and Archives



HASHER BIN DALMOOK

Head of UAE Policy of AI,
UAE Prime Minister Office



SHEIKHA AL MUTAIRI

Secretary General
Emirates Writers Union (EWU)



KAIS HAMMAMI

Director of the Center of Strategic
Foresight And Artificial Intelligence-ICESCO



NOURA ALKARBI

Academic in the Department
of Sociology, Chair of Research
Outreach Department
University of Sharjah



MOHAMED RADWAN

DevOps MVP | Principal DevOps
NTT DATA UK



SALLY EL AKKAD

President of Abjjad



MOHAMED DERICHE

Professor in Artificial Intelligence.
College of Engineering and
Information Technology
Ajman University.



MARCO PASSAROTTI

Professor of Linguistics
Università Cattolica del Sacro Cuore
Milan, Italy.



WAJDI ZAGHOUBI

Associate Professor of Natural
Language Processing,
Northwestern University in Qatar



JI YOUNG SHIM

Associate Professor of Linguistics AUS



MARIANNA MASSA

Lecturer
Università Cattolica del Sacro Cuore
Milano



AHMED ALI

Department of Arabic and Translation Studies
- AUS



QUALID RAIS

Researcher
International Institute of Scientific Research



MOHAMED JEMNI

Professor & Director
Arab League Educational,
Cultural, & Scientific Organization



HISHAM AL-MUBAID

Professor of Computer Science
and Computer Information Systems,
University of Houston - Clear Lake



FARID MEZIANE

Head of the Data Science
Research Center
University of Derby (UK)



AGENDA

09

DAY 1
17 OCT 2024

AUDITORIUM

WELCOMING AND REGISTRATION

09:00 AM - 10:00 AM

- Registering all attendees and speakers
- Hosting VIPs in AUS Majlis

OPENING CEREMONY

10:00 AM - 10:30 AM

- UAE National Anthem
- SIGAL Official Video

OPENING REMARKS

WELCOMING REMARKS

- H.E SHEIKHA BODOUR BINT SULTAN AL QASIMI

Chairperson of the Board of Trustees
and President of the American University of Sharjah



OPENING SPEECH

- H.H SHEIKH DR. SULTAN BIN MOHAMMED AL QASIMI

Member of the UAE Supreme Council and Ruler of Sharjah



KEYNOTE SPEAKER 1

TOPIC: The Influence of Arabic Science on Google Gemini Systems in Linguistic Intelligence

10:30 AM - 10:50 AM

- IMED ZITOUNI

Director of Google Engineering



AUDITORIUM

MINISTERIAL SESSION

TOPIC: Governmental Strategy For Linguistic Intelligence and Culture

10:50 AM - 11:20 AM

- H.E AHMED FOUAD HANNO

Minister of Culture
Arab Republic of Egypt



- H.E ASHRAF EL-SHIHY

Former Minister of Higher Education
and Scientific Research
Arab Republic of Egypt



SESSION CHAIR

**- SHEIKH SULTAN SUOOD
AL-QASSEMI**

Founder
Barjeel Art Foundation,
Sharjah, UAE



KEYNOTE SPEAKER 2

TOPIC: The Impact of Arabic on the Evolution of Sicilian Language and Culture

11:20 AM - 11:30 AM

- H.E AMBASSADOR LORENZO FANARA

Ambassador of Italy to the UAE



OFFICIAL ANNOUNCEMENT (ARABIC MOAJAM)

TOPIC: The Official Announcement of Sharjah Historic Dictionary

11:30 AM - 12:00 PM

- MOHAMED SAFI MOSTEGHANEMI

Secretary-General
The Arabic Language Academy in Sharjah



- LIVE DEMONSTRATION WITH INTERACTIVE SESSION

- FIRAS HABBAL

President / Vice-Chancellor
Emirates Scholar Center for Research & Studies



- FAWAZ HABBAL

Director-General
Emirates Scholar Center for Research & Studies



12:00 PM - 02:30 PM

BREAK

HALL A Keynote Speaker 3

02:30PM – 02:50PM

TOPIC: Cultural Implications of AI in Language Processing

– HASSAN SAWAF

Founder and CEO aiXplain



Panel Discussion 1

02:50PM – 03:30PM

TOPIC: Advancements in Artificial Intelligence in Communication tools

– ELIZABETH TOPOLSKAYA

Content Strategy and
Production Director
Pearson



– DOROTHY GORDON

Former chair - Information
for AI Program
UNESCO



– HAZEM ALI

Founder & CEO
Skytell Inc.



– PHILIP MCCARTHY

Associate Professor of
Linguistics - AUS



– MOHAMED MOSHRIF

GenAI & LLMs
Engineering Manager
Google



SESSION CHAIR

– KRISTEN HIGHLAND

Head of the Department
of English - AUS



HALL B Keynote Speaker 4

02:30PM – 02:50PM

TOPIC: Cultural and Dialectal implications for NLP: A case study in Arabic

– SHANTANU GODBOLE

Head, IBM Middle East Research Center



Presentation Session 1

02:50PM – 03:50PM

TOPIC: Linguistic Intelligence in Language Learning and Communication

– OZGUR PARLAK

Assistant Professor of
Linguistics - AUS

Effects of Communicative
Interaction on Second
Language Pronunciation
Development



– MAI ZAKI

Associate Professor of Arabic
and Linguistics - AUS

Can AI-generated materials
help in Arabic teaching? A
study of potential and pitfall



– SAID FAIQ

Professor of Intercultural
Studies and Translation
AUS

AI vs Human
Lexicographers



– AYMAN ZAHRAN

Faculty of Humanities
City University - Ajman

– MOSTAFA ABDEL MAWLA

College of Arts, Sciences
& Information Technology
University of Khofikan - Sharjah



– ALI ALBLOOSHI

Undergraduate Student
AUS

The Impact of Computer
Mediated Communication on
Language Behavior Between
Monolinguals and Bilinguals



– ALI KAMEL ALSHAREEF

Assistant Professor
AlQasimia University

Verbal-linguistic Intelligence
Strategies Used by Gifted
Students



SESSION CHAIR

– AHMAD AL-ISSA

Associate Dean of College
of Arts and Sciences and
Professor of Linguistics - AUS



02:30 PM – 03:50 PM

DAY 2
18 OCT 2024

HALL A Keynote Speaker 5

10:15AM – 10:30AM

TOPIC: Enhancing Linguistic Research Through Synergy Between Human Expertise and AI

- H.E DR. AHMED FOUAD HANNO

Minister of Culture
Arab Republic of Egypt



Panel Discussion 2

10:30AM – 11:10AM

TOPIC: Language, Culture, and Identity in the Digital Age

- H.E ABDULAZIZ ALMUSALLAM

Chairman
Sharjah Institute for Heritage



- MESUT IDRIZ

Professor of History and
Islamic Civilization
University of Sharjah



- EISA AL HAMMADI

General Manager
Arab League Education Center
of Gulf State



- WAEL ISSA

Member of the Executive
Committee Arabic Language
Research Center (CARA)



- EMAN BUSHULAIBI

Director of Sharjah Public Library
Sharjah Book Authority



- SHEIKHA AL MUTAIRI

Secretary General
Emirates Writers Union (EWU)



SESSION CHAIR

- FIRAS HABBAL

President / Vice-Chancellor
Emirates Scholar Center for Research & Studies



HALL B Keynote Speaker 6

10:15AM – 10:30AM

TOPIC: The Holy Quran language program: its definition and the role of artificial intelligence in its design

- IBRAHIM MOHAMMED

Head of the Arabic Language
and Testing Unit at the Continuing
Education Center
United Arab Emirates University



Panel Discussion 3

10:30AM – 11:10AM

TOPIC: AI & Linguistic Intelligence Applications and Connectivity

- HASHER BIN DALMOOK

Head of UAE Policy of AI,
UAE Prime Minister Office



- MOHAMED RADWAN

DevOps MVP | Principal DevOps
NTT DATA UK



- SALLY EL AKKAD

President of Abjjad



SESSION CHAIR

- SAID FAIQ

Professor of Intercultural
Studies and Translation
AUS



HALL B Panel Discussion 4

11:15AM – 12:00PM

TOPIC: AI and the Future of Language Learning: Innovations and Impact

- KAIS HAMMAMI

Director of the Center of Strategic
Foresight
And Artificial Intelligence-ICESCO



- NOURA ALKARBI

Academic in the Department
of Sociology, Chair of Research
Outreach Department
University of Sharjah



- MOHAMED DERICHE

Professor in Artificial Intelligence,
College of Engineering and
Information Technology
Ajman University,



- MARCO PASSAROTTI

Professor of Linguistics
Università Cattolica del Sacro Cuore
Milan, Italy.



- MARIANNA MASSA

Lecturer
Università Cattolica del Sacro Cuore
Milano



- WAJDI ZAGHOUANI

Associate Professor of Natural
Language Processing,
Northwestern University in Qatar



SESSION CHAIR

- AHMED ALI

Department of Arabic
and Translation Studies - AUS



11:15 AM – 12:00 PM

12:00 PM – 02:00 PM

BREAK

HALL A Panel Discussion 5

02:00PM – 03:00PM

TOPIC: AI-Driven Multilingualism: Opportunities and Challenges

- HISHAM AL-MUBAID

Professor of Computer Science
and Computer Information Systems,
University of Houston - Clear Lake



- FARID MEZIANE

Head of the Data Science
Research Center
University of Derby (UK)



- OUALID RAIS

Researcher
International Institute of
Scientific Research



- MOHAMED JEMNI

Professor & Director
Arab League Educational,
Cultural & Scientific Organization



- MAJDI BIN HAJI IBRAHIM

Chief of the Center of Arabic
Language for Non-Arabic Speakers
-ICESCO



SESSION CHAIR

- IMRAN ZULKERNAN

Professor of Computer Science
and Engineering - AUS



02:00 PM – 03:00 PM

HALL B Presentation Session 2

02:00PM – 03:00PM

TOPIC: Integrative Approaches in Language, Technology, & Multicultural Communication

- JI YOUNG SHIM

Associate Professor of Linguistics
AUS



- SEBAH AL-ALI

Visiting Assistant Professor of
English - AUS



- LINE BEN THAIER

Undergraduate Student- AUS

AI vs. Human: A Preliminary
Investigation into Arabic-
English Code-Switching



- PHILIP MCCARTHY

Associate Professor of Linguistics
AUS
GAI Developments in Auto-Peer:
Enhancing the
automated peer-review
experience



- MRS. FATMA AL MAZROUEI

Head of the Historical Archives
Section at the National Library
and Archives



- ANEGHA VADASSERY SAJAN

MATESOL Student - AUS
Impact of ChatGPT on
Vocabulary Development: A
Comparison Study



- GHOFRANE LAHIB

Undergraduate Student- AUS
Ajami History, Culture, &
Assimilation



SESSION CHAIR

- OZGUR PARLAK

Assistant Professor of
Linguistics - AUS



SPEAKERS

BIO

10

IMED ZITOUNI

Director of Google Engineering



Imed Zitouni serves as the Director of Engineering at Google, where he leads advanced projects in artificial intelligence, specifically in the realms of language technology and natural language processing (NLP).

With a career spanning more than two decades, Zitouni has been a prominent figure in developing computational linguistics solutions that enable efficient, multilingual communication and data processing.

Before joining Google, he held significant roles at Microsoft, Amazon, and Yahoo, where he contributed to advancing machine translation, speech recognition, and NLP models. Zitouni's expertise lies in applying machine learning to break down language barriers, facilitating communication across diverse languages and enhancing accessibility in digital spaces.

H.E AHMED FOUAD HANNO

Minister of culture
Arab Republic of Egypt



His Excellency Ahmed Fouad Hanno, Minister of Culture for the Arab Republic of Egypt, is an esteemed academic and cultural leader.

He obtained his Bachelor of Arts in Fine Arts with a focus on Graphics in 1992, followed by a Master's in Experimental Animation Films in 1997.

He holds a Ph.D. in the Philosophy of Art, specializing in Visual Communication and the Creativity of Animated Films.

H.E. Hanno is recognized as one of the founding figures of Galala National University, where he has held several key positions, including Vice President for Student Affairs in 2023 and Dean of the Faculty of Arts and Design in 2021. Previously, he served as the Dean of the Faculty of Fine Arts at Helwan University in 2019.

His academic journey has also included teaching roles at prominent institutions, including the German University in Cairo, Nile International University, and the Faculties of Fine Arts at Minya and Mansoura Universities.

In recognition of his contributions to the field of animation and arts, H.E. Hanno has received multiple awards, including the Best Design Award for Animated Film at the Arab Animation Forum in 2014, and the Best Director Award at the Cairo International Animation Film Festival in 2020. He was further honored with the Excellence Award at the Luxor Forum for African Arts in 2020 and received a distinction from Helwan University for General Excellence in 2021.

H.E ASHRAF EL-SHIHY

Former minister of higher education and scientific research Arab Republic of Egypt



Dr. Ashraf Mohamed El-Shihy is the current President of Badr University in Cairo (BUC) and a distinguished leader in Egypt's higher education sector. Prior to joining BUC, he held several key positions, including Minister of Higher Education & Scientific Research, President of the Egyptian Chinese University, and President of Zagazig University.

Dr. El-Shihy is actively involved in shaping educational policies as the Head of the Education and Scientific Research Policies Committee in Egypt's Ministry of Higher Education & Scientific Research. He also serves on the Board of Trustees for multiple higher education institutions across Egypt and is a Board Member of the Egypt Academy of Scientific Research. Additionally, he is part of the selection committee for Egyptian Cultural and Educational Councilors/Attachés assigned to serve abroad and a Board Member on the Holding Company for Investment & Development, Housing and Development Bank – Egypt.

Dr. El-Shihy's extensive background in international relations and strategic planning has earned him significant roles in African educational development. In 2015, he was elected as Head of the Technical Bureau for Education, Science and Technology (STC) in Africa and led the Association for Developing Education in Africa (AFEA), meeting with education ministers across the continent to advance educational initiatives.

Throughout his career, Dr. El-Shihy has maintained his role as Professor of Structural Engineering since 1995, dedicating himself to mentoring future engineers and researchers. He holds a B.Sc. in Civil Engineering from Cairo University (1977), a joint M.Sc. in Engineering Materials from Southampton University, UK, and Zagazig University, Egypt (1981), and a Ph.D. in Advanced Structural Engineering from Southampton University (1986).

SHEIKH SULTAN SUOOD AL-QASSEMI

Founder
Barjeel Art Foundation, Sharjah, UAE



Sheikh Sultan Sooud Al-Qassemi is the founder of the Barjeel Art Foundation, an influential art institution based in Sharjah dedicated to preserving and promoting modern and contemporary Arab art. Known for his passion for art and culture, Al-Qassemi has played a vital role in the Middle Eastern art scene, advocating for greater representation of Arab artists on the global stage.

Through the Barjeel Art Foundation, he has curated numerous exhibitions and collaborated with prestigious institutions worldwide, fostering cultural understanding and appreciation. In addition to his work in the arts, Al-Qassemi is a respected writer and commentator on social, cultural, and political issues in the Arab world.

H.E. AMBASSADOR LORENZO FANARA

Ambassador of Italy to the UAE



His Excellency Ambassador Lorenzo Fanara is the Italian Ambassador to the United Arab Emirates, representing Italy with a deep commitment to fostering cooperation and mutual understanding.

With years of diplomatic service, Ambassador Fanara has actively worked to strengthen Italy-UAE relations, focusing on areas such as cultural exchange, economic growth, and innovation in technology. He is a staunch advocate for international collaboration on shared challenges, from sustainable development to technological advancement.

Through his leadership, he has enhanced Italy's engagement with the UAE, promoting initiatives that underscore Italy's dedication to intercultural understanding and global dialogue.

FIRAS HABBAL

President / Vice-Chancellor
Emirates Scholar Center for Research & Studies



Dr Firas Habbal is the President, Vice-Chancellor of Emirates Scholar Center for Research & Studies and Chief Executive Officer of Geminos Investment Group with a strong background in leadership, business development, and scientific research, Dr Habbal have made significant contributions to various organizations.

His educational background includes a PhD in International Business Management from the Georgia Institute of Technology, an MSc from the University of Canterbury. He is also a member of International Quality Learning Institute, ARADO Science Committee, and a certified instructor at ASQ.

Dr. Habbal worked as Regional Director at many respectful organizations, and he fulfilled his academic career as an Associate Professor in the Department of Business, at 3 different universities: Al Ain University of Science and Technology, American University in Emirates, and Fujairah Academy. He is serving as Editor in Chief of 3 international journals and an editorial member and reviewer of several international reputed journals Dr. Habbal has been Co- Chair of many international indexed conferences; Head of local chair of more than 20 international conferences both domestically and globally.

Dr. Habbal interest areas of research are Quality Management, International Management, Data Management, Technology Acceptance, Artificial Intelligence, and Data Sensing. He has successfully published more than 21 publications in more than 18 indexed journals and 6 international conferences and contributed in more than 6 registered patents.

MOHAMED SAFI MOSTEGHANEMI

Secretary-General
Arabic Language Academy in Sharjah



As Secretary-General of The Arabic Language Academy in Sharjah, Mohamed Safi Mosteghanemi has made significant strides in advancing Arabic linguistic research and promoting the cultural heritage of the Arabic language. With a distinguished career in linguistics, Mosteghanemi has been instrumental in modernizing Arabic linguistic studies and adapting them to the digital age, ensuring that Arabic maintains a strong presence in the global technological landscape. His initiatives have included programs to expand Arabic language learning, support translation projects, and encourage the publication of scholarly works in Arabic.

Mosteghanemi is also known for his work in educational reform, where he collaborates with institutions across the Arab world to enhance Arabic curricula and foster a new generation of scholars and educators. His leadership has helped position the Arabic Language Academy as a key player in international linguistic research, as well as in cultural exchange initiatives that bridge the Arabic language with other world languages. Through his ongoing commitment, Mosteghanemi aims to preserve, enrich, and globalize the Arabic language, making it accessible and relevant for future generations.

FAWAZ HABBAL

Director General
Emirates Scholar Center for Research & Studies



Dr. Fawaz Habbal is an esteemed Associate Professor with a PhD in E-Government Applications and Business Information Technologies, specializing in Process Automation, Artificial Intelligence, and Business Innovative Technologies.

His research interests encompass Computer Applications, AI in data prediction, and Data Science. Dr. Habbal possesses extensive experience in strategy, particularly within innovation, digitalization, and information technology across various industries.

As the Founder, Director General, and Board of Trustees Member at the Emirates Scholar Center for Research & Studies in the UAE, he leads a multidisciplinary research team. His leadership is pivotal in steering research efforts towards impactful academic contributions. In this capacity, he demonstrates a profound understanding of research methodologies, knowledge dissemination, and aligning research with organizational objectives.

Throughout his career, Dr. Habbal has consistently demonstrated an ability to develop and implement forward thinking strategies. This includes spearheading digital transformation initiatives, leading cross-functional teams, and aligning technology investments with business goals. His role as the Editor-in-Chief at the International Journal of Advanced Digital Technology (IJADT) has further enriched his insights into the intersection of academia and industry, allowing him to shape innovative strategies from a holistic perspective.

ELIZABETH TOPOLSKAYA

Content Strategy and Production Director - Pearson



Elizabeth Topolskaya has a strong background in consulting and research, specializing in market and scientific research, which has led to several publications. She joined Pearson in 2018, driven by her passion for empowering people through education.

She started her Pearson journey by developing learning journeys in emerging technologies and leadership. In 2021, she transitioned to English Language Learning, enhancing content development with learning design frameworks and AI to streamline workflows and boost profitability. As of November 2023, she serves as the Content Strategy and Production Director, already making significant improvements in content strategy and development workflows, and is eager to further contribute to Pearson's success.

DOROTHY GORDON

Former chair - Information
for All Program - UNESCO



Dorothy Gordon works at the nexus of international development

and digital technology focussing on building capacity for inclusion and equity.

Leveraging on government, corporate, civil society, and UN policy experience; in her work as leader, advocate, advisor, speaker she studies the impact of technology and innovation on the vulnerable, including AI implications for Language Policy and EdTech.

HAZEM ALI

Founder & CEO
Skytell Inc.



Hazem Ali is an AI and ML expert with over 15 years of experience in developing, testing, and maintaining enterprise software applications. As the founder and CEO of Skytells, Inc., he has been at the forefront of AI development, leading numerous projects that leverage the power of machine learning, natural language processing, and computer vision.

PHILIP MCCARTHY

Associate Professor of Linguistics - AUS



Philip McCarthy has taught English, ESL, writing, and linguistics for nearly 30 years at institutions such as the University of Memphis, the Memphis Academy for Science and Engineering, and the University of Sharjah. McCarthy has also worked in industry as Chief Scientist for the IT company, Decooda. His areas of research and teaching interest are applied natural language processing and foundational writing.

MOHAMED MOSHRIF

GenAI & LLMs
Engineering Manager Google



Mohamed Moshrif has more than 22 years in software development industry that spans multiple domains like e-commerce, operating systems, video games, and more. He spent his time working between large corporations like Amazon, Microsoft and Booking.com as well as several startups, serving in roles that go all the way from software engineer up to CTO and Managing Director. Mohamed is also a leader in teaching and mentorship as he taught and mentored thousands of students and engineers all over the world. Currently Mohamed manages a team of engineers responsible for the reliability and scalability of the infrastructure that power all Large Language Models in Google.

SHANTANU GODBOLE

Head, IBM Middle East Research Center



Shantanu Godbole is the Head of the IBM Middle East Research Center, where he leads groundbreaking research in artificial intelligence, machine learning, and data science to address pressing regional challenges. Having spent over 20 years with IBM, Godbole has spearheaded projects in cognitive computing, AI ethics, and industry-specific AI applications. His research emphasizes the creation of solutions for healthcare, finance, and public sectors, designed to solve complex problems while prioritizing ethical and sustainable AI practices. Godbole's leadership in the region has accelerated IBM's contributions to innovation, fostering a culture of responsible AI adoption in the Middle East.

KRISTEN HIGHLAND

Head of the Department of English - AUS



Kristen Highland leads the Department of English at the American University of Sharjah, where she brings her expertise in literature, linguistics, and language education to foster a dynamic learning environment. With a background in English studies and an emphasis on interdisciplinary research, Highland is dedicated to enhancing the study of English language and literature in the UAE. She is committed to advancing academic programs that encourage critical thinking, cross-cultural understanding, and effective communication. Highland's leadership emphasizes the importance of language and literature in promoting intercultural awareness and academic growth.

OZGUR PARLAK

Assistant Professor of Linguistics – AUS



Dr. Ozgur Parlak is an Assistant Professor of Linguistics at AUS, specializing in second language acquisition, with particular expertise in pronunciation and communicative interaction. His research examines how interactional contexts influence second language pronunciation development, providing insights that enhance language pedagogy and learning outcomes. Dr. Parlak is dedicated to supporting students and fostering a research-rich environment that encourages the application of linguistic theories to practical educational challenges. His contributions enrich the linguistics department at AUS and support the broader mission of cultivating linguistic and cultural understanding.

MAI ZAKI

Associate Professor of Arabic and Linguistics - AUS

Dr. Mai Zaki's research explores the potential of AI-generated materials in Arabic language teaching. Her study examines both the benefits and limitations of using AI-driven content in language instruction, offering new perspectives for educators and linguists.



AYMAN ZAHRAH

Faculty of Humanities, City University - Ajman

Ayman Zahran is a faculty member specializing in language and humanities at City University in Ajman, where he contributes to interdisciplinary research and teaching. His work often addresses language education and the role of linguistic diversity in cultural settings.



SAID FAIQ

Professor of Intercultural
Studies and Translation-AUS

Dr. Said Faiq is a Professor specializing in Intercultural Studies and Translation at the American University of Sharjah.

His research focuses on bridging cultural gaps through language and translation studies, emphasizing cross-cultural communication and translation ethics. He has published extensively on intercultural dialogue and is dedicated to preparing students for global engagement.



ALI ALBLOOSHI

Undergraduate Student - AUS

Ali Alblooshi's research focuses on the influence of computer-mediated communication on language behavior among monolinguals and bilinguals. His study examines how digital communication platforms impact linguistic practices across different language backgrounds.



MOSTAFA ABDEL MAWLA

College of Arts, Sciences
& Information Technology
University of Khorfkan – Sharjah

Mostafa Abdel Mawla is a researcher in the fields of arts and information technology, with a focus on language and communication studies. His work at the University of Khorfkan contributes to understanding linguistic and cultural dynamics in the region.



ALI KAMEL ALSHAREEF

Assistant Professor AlQasimia University

Dr. Ali Kamel Alshareef's research centers on verbal-linguistic intelligence strategies employed by gifted students.

His work explores how linguistic intelligence influences learning processes, particularly among students with high academic and cognitive abilities.



AHMAD AL-ISSA

Associate Dean of College
of Arts and Sciences and
Professor of Linguistics - AUS

Dr. Ahmad Al-Issa serves as the Associate Dean of the College of Arts and Sciences and is a respected Professor of Linguistics at AUS. With a focus on applied linguistics, language pedagogy, and sociolinguistics, Dr. Al-Issa has contributed extensively to the fields of language learning and cross-cultural communication. His leadership within the college has fostered a collaborative environment that encourages academic excellence and innovative research.

Dr. Al-Issa is deeply invested in advancing linguistic education and promoting interdisciplinary studies that address real-world language issues in diverse social and cultural contexts.



H.E ABDULAZIZ ALMUSALLAM

Chairman
Sharjah Institute for Heritage

Born on October 27, 1966, in Sharjah, Abdulaziz Almusallam is an Emirati poet, writer, and cultural heritage expert.

He has authored numerous fairy tales and poems, many of which have been translated into various languages.

Currently, he is the Chairman of the Sharjah Institute for Heritage and Chairman of the Board for the UNESCO-affiliated Category 2 Centre for Intangible Cultural Heritage.

Almusallam also serves on the board of the Sharjah Book Authority.

He founded Kalamon Publishing in 2017 and serves as a visiting professor at universities in Tunisia and China. He holds a Ph.D. in History and Cultural Heritage from Hassan II University in Morocco and has received numerous accolades, including the Golden Narrative Award (2024) and Arab Heritage Personalist (2023).



EISA AL HAMMADI

General Manager
Arab League Education Center of Gulf State

Dr. Issa Al Hammadi is the Director of the Arabic Language Educational Center for the Gulf States in Sharjah. He is dedicated to advancing Arabic language education across the region and has been a significant contributor to education reform efforts aimed at enhancing language skills.



MESUT IDRIZ

Professor of History and
Islamic Civilization University of Sharjah



Prof. Dr. Mesut Idriz, originally from Macedonia, holds graduate and doctoral degrees from the International Islamic University Malaysia. He is a professor of Comparative History of Civilizations and Islamic Civilization at the University of Sharjah. He has previously taught at institutions in Bosnia, Turkey, and Malaysia. Prof. Idriz is also a visiting professor at various international universities and has published extensively on the Balkans, Islamic history, and educational systems. His recent works include The Middle Eastern Jewellery Reflection of Islam on the Forms and Symbols (2018) and Late Ottoman Educational System in the Balkans (2017).

WAEI ISSA

Member of the Executive
Committee Arabic Language Research Center (CARA).



Wael Farouq is a professor of Arabic language and culture at the Catholic University of the Sacred Heart in Milan, Italy. He has worked at several international universities, including the American University in Cairo and the University of Macerata. He is also a member of the scientific and steering committees of CARA and the Observatory of Terminologies and Language Policies (OTPL). He has authored several scholarly articles and books, such as The Fatwā in the Digital Age (2024) and Conflicting Arab Identities: Language, Tradition, and Modernity (2023).

EMAN BUSHULAIBI

Director of Sharjah Public Library
Sharjah Book Authority



As Director of Sharjah Public Libraries, Eman Bushulaibi has focused on improving access to knowledge and promoting digital engagement within the community. With over 13 years of experience in organizational development, she has introduced several initiatives that have enhanced library services. She is currently pursuing a Doctorate in Business Administration while playing an active role in international library networks.

SHEIKHA AL MUTAIRI

Secretary General
Emirates Writers Union (EWU)



Sheikha Al Mutairi is a poet from Dubai and the Secretary General of the Emirates Writers Union. She holds a bachelor's degree in Arabic Language and a master's in libraries and information. She is also Head of the National Culture Department and Public Relations at the Juma Al Majid Centre for Culture and Heritage. A recognized poet, she placed second in the 8th Prince of Poets Competition and actively contributes to the UAE's cultural and literary scene.

IBRAHIM MOHAMMED

Head of the Arabic Language
and Testing Unit at the Continuing
Education Center
United Arab Emirates University



Ibrahim Mohammed heads the Arabic Language and Testing Unit at the Continuing Education Center at United Arab Emirates University (UAEU). A highly respected figure in Arabic linguistics and education, Mohammed is responsible for designing and overseeing language proficiency tests and educational programs that enhance the understanding and use of Arabic in academic and professional contexts. His work includes developing curriculum that meets the needs of both native and non-native speakers, ensuring high standards in language learning. Mohammed's initiatives have empowered countless students and professionals to gain confidence in their Arabic language skills, contributing to the preservation and growth of Arabic as a global language.

HASHER BIN DALMOOK

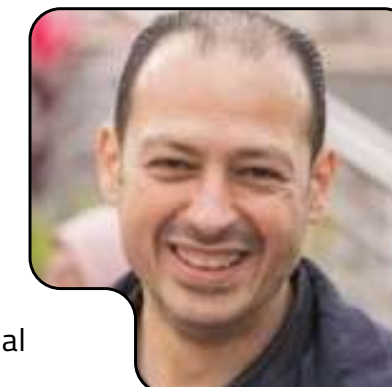
Head of UAE Policy of AI,
UAE Prime Minister Office



He plays a pivotal role in shaping and implementing AI policies that support the UAE's vision for digital transformation. With a wealth of experience in strategic initiatives, Hasher drives forward-thinking solutions for innovation and future development in the country.

MOHAMED RADWAN

DevOps MVP | Principal DevOps
NTT DATA UK



Mohamed Radwan is a Microsoft DevOps MVP and Principal DevOps Consultant at NTT DATA UK. With over 22 years of experience, he has worked with more than 60 Fortune 500 companies, offering expertise across the Software Development Lifecycle. Mohamed is an author and frequent speaker at major technology conferences, known for his contributions to platforms like GitHub and Stack Overflow.

SALLY EL AKKAD

President of Abjjad



Dr. Sally El Akkad, President of Abjjad Ltd, is recognized for her data-driven approach to business innovation. With nearly 20 years of experience in multinational corporations, she specializes in marketing and e-commerce. An author of the "Chronicles" business series, Sally shares insights on leadership and organizational dynamics, showcasing her ability to build high-performing teams.

KAIS HAMMAMI

Director of the Center of Strategic
Foresight And Artificial Intelligence - ICESCO



Dr. Kaïs Hammami is the Director of the Strategic Foresight Center at ICESCO, specializing in Strategic Foresight and Artificial Intelligence governance. He holds a Ph.D. in Strategic Foresight from Paris, where he earned the distinction of Summa cum Laude. With over two decades of experience across five regions (MENA, Africa, Europe, Asia, and Latin America), Dr. Hammami has worked with international organizations like UNESCO, UNDP, the World Bank, and the OECD, as well as several governments. He has also taught at prominent institutions such as Sorbonne University and Carthage University and has contributed to more than 250 international foresight studies.

MARCO PASSAROTTI

Professor of Linguistics
Università Cattolica del Sacro Cuore Milan, Italy.



Marco Passarotti is a full professor of Computational Linguistics and the Director of the CIRCSE Research Centre at Università Cattolica del Sacro Cuore. He has led projects like the Index Thomisticus Treebank and the LiLa Project, building tools and linguistic resources for Latin. A pioneer in digital humanities, he has published around 200 works on computational linguistics and digital philology.

NOURA ALKARBI

Academic in the Department of Sociology,
Chair of Research Outreach Department
University of Sharjah



Dr. Noura Alkarbi is the Head of the Department of Community Relations for Scientific Research and a professor in the Department of Sociology at the University of Sharjah. She holds a Ph.D. in Religious Sciences from the Complutense University of Madrid and has worked extensively in the fields of sociology, climate change, and women's empowerment. Dr. Alkarbi is a well-known researcher with numerous published works and has received multiple awards, including the UAE Humanitarian Work Award and the Sheikh Rashid bin Hamid Award for Culture and Science. She has been actively involved in various international initiatives and is a member of prestigious academic and research organizations.

MOHAMED DERICHE

Professor in Artificial Intelligence.
College of Engineering and Information Technology
Ajman University.



Mohamed Deriche received his Ph.D. in signal processing from the University of Minnesota and has led signal processing groups at major institutions, including King Fahd University of Petroleum and Minerals. Currently a professor at Ajman University, he is focused on promoting the AI Research Center and a new master's program in AI. With over 300 published papers and numerous awards such as the IEEE Third Millennium Medal and the Shauman Best Researcher Award, his work spans multimedia, biomedical, and language processing.

MARIANNA MASSA

Lecturer
Università Cattolica del Sacro Cuore Milano



Marianna Massa, a doctoral researcher at the Università Cattolica del Sacro Cuore, specializes in the influence of French-to-Arabic translation on the development of Modern Standard Arabic. Her award-winning thesis will be published in 2025 and focuses on the 19th-century role of translation in Egypt. With extensive experience in translation studies, she has taught at the Catholic University of the Sacred Heart and the American University in Cairo, while also working in translation and interpretation for over 15 years.

WAJDI ZAGHOUBANI

Associate Professor of Natural Language Processing,
Northwestern University in Qatar



Dr. Wajdi Zaghouani is an Associate Professor in Residence at Northwestern University in Qatar, specializing in the Communication Program. He holds a Ph.D. in Natural Language Processing from the University of Paris Nanterre and an M.A. in Linguistics from the University of Montreal. His research focuses on computational linguistics, AI, and Arabic NLP.

AHMED ALI

Department of Arabic and Translation Studies - AUS



Ahmed Ali is a prominent member of the Department of Arabic and Translation Studies at the American University of Sharjah.

With expertise in Arabic language, translation, and linguistics, Ali has contributed to the field through his research on Arabic language pedagogy and translation techniques. He plays a vital role in advancing Arabic studies at AUS, fostering an environment that encourages students to appreciate the complexities of language and translation. His work is instrumental in bridging Arabic language and translation studies, preparing students to navigate linguistic challenges in a globalized world.

HISHAM AL-MUBAID

Professor of Computer Science
and Computer Information Systems,
University of Houston - Clear Lake



Dr. Hisham Al-Mubaid is a Professor of Computer Science and Computer Information Systems at the University of Houston, Clear Lake, Texas. He earned his Ph.D. in Computer Science from the University of Texas at Dallas (UTD) in 2000, receiving the distinguished dissertation award.

Dr. Al-Mubaid's research focuses on natural language processing (NLP) and bioinformatics, with additional interests in machine learning and data mining. In NLP, he has developed algorithms and tools for context-based approaches, including error detection, word prediction, text categorization, word classification, biomedical term disambiguation, and document clustering.

QUALID RAIS

Researcher
International Institute of Scientific Research



Qualid Rais is a researcher at the International Institute for Scientific Research and a regular contributor to peer reviewed scientific journals. His work spans various fields, and he is known for his contributions as both a researcher and an article writer in reputable journals.

FARID MEZIANE

Head of the Data Science Research Center,
University of Derby, UK



Professor Farid Meziane is the Head of the Data Science Research Center at the University of Derby and leads the Data Science academic research theme as well as the College of Science and Engineering Research Committee. He earned his Ph.D. in Computer Science from the University of Salford, UK, for his pioneering work on formal specification generation from natural language requirements, which set the stage for automated software specifications from informal requirements. Prof. Meziane has authored over 200 publications and led numerous national and international research projects.

MOHAMED JEMNI

Professor & Director
Arab League Educational, Cultural, & Scientific Organization



Dr. Mohamed Jemni is a Professor of Computer Science and Educational Technologies at the University of Tunis and the Director of ICT at ALECSO. He is a Senior Member of IEEE's Technical Committee on Learning Technology and serves as co-editor of Springer's Lecture Notes in Educational Technology. With over 300 published works in journals, conferences, and books, Dr. Jemni has also conducted studies for international organizations such as UNESCO, ITU, and ALECSO. He sits on the steering committee for G3ICT, a United Nations initiative for Inclusive Information and Communication Technologies, and actively promotes accessible technology.

MAJDI BIN HAJI IBRAHIM

Chief of the Center of Arabic Language
for Non-Arabic Speakers - ICESCO



Majdi Bin Haji Ibrahim is the Chief of the Center of Arabic Language for Non-Arabic Speakers, where he focuses on educational initiatives to promote Arabic language learning globally. His efforts support linguistic and cultural inclusivity and contribute to the development of specialized curricula and resources for non-native Arabic speakers.

IMRAN ZUALKERNAN

Professor of Computer Science and Engineering - AUS

Dr. Imran Zualkernan is a Professor of Computer Science and Engineering at the American University of Sharjah.

With a robust background in software engineering, artificial intelligence, and educational technology, Dr. Zualkernan has contributed extensively to advancing research in digital learning solutions and intelligent systems.

His work includes developing adaptive learning tools and AI-driven educational technologies designed to enhance student engagement and learning outcomes. As an educator and researcher, Dr. Zualkernan is committed to mentoring students and fostering innovation in computer science that addresses real-world challenges.



MRS. FATMA AL MAZROUEI

Head of the Historical Archives
Section at the National Library and Archives

Mrs. Fatma Al Mazrouei oversees the preservation and management of the UAE's historical archives.

Her work ensures the documentation of the nation's heritage and provides valuable resources for researchers and historians, supporting a deeper understanding of UAE's history and identity.



JI YOUNG SHIM

Associate Professor of Linguistics - AUS

Dr. Ji Young Shim is an expert in sociolinguistics and bilingualism, with a particular focus on code-switching dynamics between Arabic and English.

Her research investigates linguistic behavior in multilingual contexts, aiming to better understand language mixing and cultural influences in diverse settings.

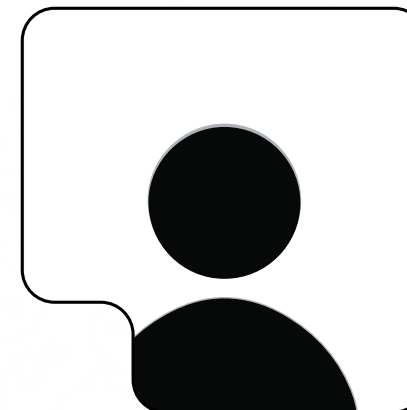


SEBAH AL-ALI

Visiting Assistant Professor of English - AUS

Dr. Sebah Al-Ali has dedicated 18 months to researching Generative AI (GenAI) integration on campus.

Her study highlights the academic, ethical, and practical insights gained from using GenAI tools in educational contexts, offering valuable lessons on the impact of AI in academia.



LINE BEN THAIER

Undergraduate Student - AUS

Line Ben Thaier is conducting research on the comparative impacts of AI and human interaction on Arabic-English code-switching.

Her work explores preliminary insights into the nuanced interplay between human and machine influences on bilingual language use.

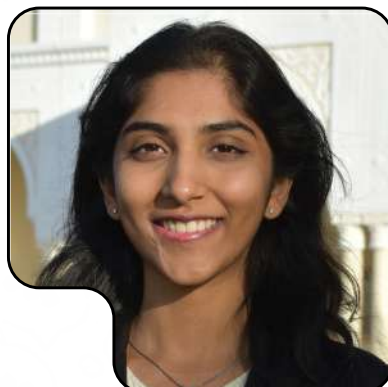


ANEGHA VADASSERY SAJAN

MATESOL Student - AUS

Anegha Vadassery Sajan is investigating the impact of ChatGPT on vocabulary development, comparing its effectiveness to traditional language learning methods.

Her study aims to evaluate AI's role in enhancing vocabulary acquisition among ESL learners, providing insights into AI's potential in language education.

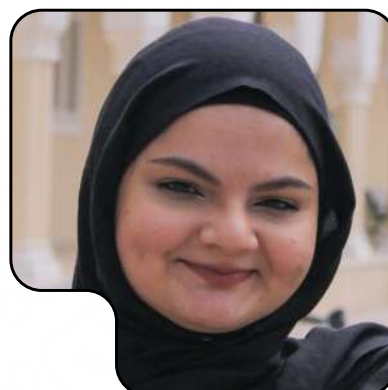


GHOFRANE LAHIB

Undergraduate Student - AUS

Ghofrane Lahib's research examines the history, culture, and assimilation of Ajami communities, exploring the linguistic and cultural heritage of Arabic-influenced African languages.

Her study sheds light on the rich historical narratives and identity preservation within these communities.







CONFERENCE GALLERY

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CONFERENCE ABSTRACT'S

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التحديات في مجال الذكاء الاصطناعي (AI) وتأثيرها علي المجتمع المعاصر

صاحب السمو الشيخ الدكتور سلطان بن محمد القاسمي
عضو المجلس الأعلى حاكم الشارقة

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وتأثيرها علي المجتمع المعاصر
(2024). The Sharjah International
Conference on AI & Linguistics,
1(1).



التقدم المعاصر في مجال الذكاء الاصطناعي وتأثيراته المتعددة على مختلف المجالات

سمو الشیخة بدور بنت محمد القاسمي
رئيسة مجلس الأمناء ورئيسة الجامعة الأميريكية في الشارقة

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1(1).



تعزيز البحث اللغوي من خلال الدعم والتعاون وتبادل الخبرة بين العقل البشري والذكاء الاصطناعي

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بين العقل البشري والذكاء
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THE IMPACT OF ARABS ON THE EVOLUTION OF SICILIAN LANGUAGE AND CULTURED

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Norman-Arab architecture, cross cultural exchange,
agricultural innovation, scientific transmission,
cultural understanding

HOW TO CITE

The Impact of Arabs on the
Evolution of Sicilian Language and Cultured
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ABSTRACT

The Arab presence in Sicily, though shorter than in Spain, left an indelible mark on the island's language, culture, architecture, and scientific advancement. From the Arab conquest in 827 AD to their rule until 1091 AD, Sicily became a center for the transmission of knowledge between the Islamic world and Europe. This paper examines the enduring legacy of Arab influence on Sicilian language, architecture, agriculture, and science. Linguistically, over 300 words from the Siculo-Arabic dialect persist in modern Sicilian, demonstrating the profound integration of Arab culture into the island's identity. Architecturally, the emergence of the Norman-Arab style, blending Arab, Byzantine, and Romanesque influences, produced a unique Sicilian aesthetic, with notable examples such as the Palatine Chapel and the Zisa Palace. The paper also highlights agricultural innovations, including the introduction of new crops like citrus fruits and innovative irrigation techniques. Furthermore, the role of Arab scholars in preserving and transmitting classical knowledge to Europe is explored, emphasizing the circular nature of cultural and intellectual exchanges. By delving into these shared histories, the research argues for the importance of cross-cultural understanding in combating modern-day populism, xenophobia, and racism. This historical examination serves as a reminder of the deep interconnection between Arab and European civilizations, fostering dialogue and mutual respect. The paper concludes by reflecting on the contemporary relevance of these influences, as exemplified by the opening of the first Arabic Cultural Institute in Italy and stresses the importance of nurturing human creativity and adaptability in an age of artificial intelligence.

تأثير خوارزميات الذكاء الاصطناعي العربية على تحسين فهم النحو والنطق العربي من خلال منصة المعجم GPT

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الذكاء الاصطناعي، اللغة العربية

HOW TO CITE

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THE GPT (2024). The Sharjah International Conference on AI & Linguistics, 1(1).



برنامج لغة القرآن الكريم تعريف به ودور الذكاء الاصطناعي في تصميمه

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(2024). The Sharjah International Conference on AI & Linguistics, 1(1).



ABSTRACT

تقدم هذه الورقة «برنامج لغة القرآن الكريم» الذي صممه الدكتور إبراهيم محمد علي عبد اللطيف، والذي يهدف إلى تعزيز مهارات اللغة العربية من خلال دمج القرآن الكريم والأنشطة اللغوية التفاعلية. يستهدف البرنامج الطلاب العرب في المدارس الدولية التي تتبع مناهج غير عربية، ويعالج التحديات اللغوية التي تواجه هذه الفئة. تسلط الدراسة الضوء على أهمية اللغة العربية كوسيلة للتعليم والتواصل، مع التأكيد على الحاجة إلى استراتيجيات فعالة لاكتساب اللغة. بالإضافة إلى ذلك، تستكشف الورقة دور الذكاء الاصطناعي في تصميم البرنامج، موضحة كيف يساهم في توفير نصوص دقيقة لغويًا ومعلوماتيًا، ودعم إنشاء المسابقات اللغوية، وتوليد جمل ونصوص عربية. من خلال استخدام أنشطة تدريبية مبتكرة، يسعى البرنامج إلى تعزيز تقدير أعماق اللغة العربية لدى الطلاب، مما يساهم في تحسين كفاءتهم اللغوية وفهمهم الثقافي.

CULTURAL AND DIALECTAL IMPLICATIONS FOR NLP: A CASE STUDY ON ARABIC

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ABSTRACT

This paper delves into the cultural and dialectal implications for Natural Language Processing (NLP) through a comprehensive case study focused on the Arabic language, which is characterized by a rich tapestry of spoken dialects. These dialects, including Gulf, Maghrebi, Levantine, Egyptian, and Iraqi, each possess unique linguistic features, cultural contexts, and social nuances that reflect the diverse identities of Arabic-speaking communities. The study emphasizes the significance of Modern Standard Arabic (MSA) as a unifying linguistic framework that facilitates communication across these varied populations, while also acknowledging the limitations of MSA in capturing the full spectrum of dialectal richness. By providing illustrative examples of how a single sentence can vary across different dialects, the paper highlights the complexities and nuances inherent in Arabic linguistics, showcasing the challenges that arise when attempting to develop NLP applications that are both effective and culturally relevant. The research addresses critical issues such as data scarcity, the need for dialectal representation, and the importance of understanding cultural context in language processing tasks. Furthermore, the paper discusses the ongoing challenges faced in the development of NLP applications tailored to native dialectal Arabic speakers, including the necessity for user-centered design principles, meticulous data collection, curation, and governance. It explores the potential of large language models (LLMs) specifically designed for Arabic dialects, aiming to enhance applications such as question answering, information retrieval, and writing assistance. The findings underscore the importance of collaboration between linguists, cultural experts, and AI practitioners to create more inclusive and effective NLP solutions. By fostering a deeper understanding of the interplay between language, culture, and technology, this research seeks to contribute to the advancement of AI technologies in the Arabic-speaking world, ultimately promoting better communication, accessibility, and understanding across diverse dialectal landscapes. The paper concludes with recommendations for future research directions and the potential for innovative applications that respect and celebrate the linguistic diversity of Arabic.

EFFECTS OF COMMUNICATIVE INTERACTION ON SECOND LANGUAGE PRONUNCIATION DEVELOPMENT

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ABSTRACT

This session will provide an overview of research findings that focus on the impact of communicative interaction on second language development, in particular pronunciation. The session will briefly explore the main tenets of the interactionist approach, namely, input, output, corrective feedback, negotiation for meaning, as well as cognitive aspects such as attention and noticing. After that, the session will discuss findings from recent research on the relationship between interaction and second language pronunciation development. The session will end with a note on the potential ways that AI could be adopted to implement the main tenets of the interactionist approach for promoting second language learning.

CAN AI-GENERATED MATERIALS HELP IN ARABIC TEACHING? A STUDY OF POTENTIAL AND PITFALL

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ChatGPT, Gemini, Co-pilot, JAIS, Diffit

HOW TO CITE

Can AI-generated materials help in
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ABSTRACT

The integration of Artificial Intelligence (AI) into language education has introduced innovative methods for developing personalized and adaptive learning materials. This study investigates the effectiveness of AI tools in generating Arabic reading comprehension materials, focusing on five prominent AI systems: ChatGPT, Gemini, Co-Pilot, JAIS, and Diffit. These tools were evaluated based on their ability to create linguistically accurate and pedagogically appropriate content for intermediate-level Arabic learners. The analysis revealed significant linguistic challenges across all tools, including overuse of nominal sentences, frequent verb misuse, pronoun errors, and unsystematic vocabulary repetition. Additionally, the study identified a notable influence of English on AI-generated Arabic texts, resulting in unnatural expressions and syntactic inconsistencies. Despite these issues, the tools demonstrated potential in generating diverse question types and engaging content. This paper underscores the necessity for rigorous quality control and human oversight in deploying AI for Arabic language education to preserve linguistic integrity and enhance learning outcomes. The findings provide valuable insights for educators, curriculum developers, and AI designers to improve the efficacy of AI tools in language teaching.

AI VS HUMAN LEXICOGRAPHERS

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Human, translation,
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ABSTRACT

This contribution interpretatively assesses the quality of English translation from Arabic into English by the two currently leading free-to-use artificial intelligence (AI) tools, ChatGPT and Google Gemini, against translations listed in Al-Mawrid (the globally leading Arabic-English dictionary) and a comprehensive compilation of Arabic phrases by Abu Ssaydeh (2013). Data comprised the d-30 (d=difficult) Arabic phrases (a mixture of collocations and cultural references) that have persistently posed problems for lexicographers of Arabic-English bilingual dictionaries, who mostly simply exclude them. Deploying Pedersen's 2011 taxonomy of translation strategies, the analysis indicates some interesting results. Al-Mawrid lists only 5 (c. 17%) of the d-30 phrases, but Abu Ssaydeh does better by including 20 (c. 67%). In complete contrast to the two human translators, both AI tools render all the d-30 (100%). While both AI tools displayed some seriously interesting human-like renderings (adding contextual clues), they nonetheless generated some howlers, usually associated with machine translation. Despite their recent launch (November 2022 for ChatGPT and December 2023 for Google Gemini), their English translations of the d-30 Arabic phrase examined here point to excellence seriously being established. The tedious, time-consuming and often thankless task of dictionary-making may well benefit from a clever combination of both humans and AI tools (H-AI, perhaps)

VERBAL-LINGUISTIC INTELLIGENCE STRATEGIES USED BY GIFTED STUDENTS

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THE IMPACT OF COMPUTER MEDIATED COMMUNICATION ON LANGUAGE BEHAVIOR BETWEEN MONOLINGUALS AND BILINGUALS

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HOW TO CITE

The Impact of Computer Mediated
Communication on Language Behavior
Between Monolinguals and Bilinguals.
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1(1).



ABSTRACT

The study aims to review Computer Mediated Communication (CMC) and explore its impact on evolution of language, specifically English. CMC can be divided into Synchronous and asynchronous communication, this study will focus on the latter division, investigating user behavior including use of punctuation, abbreviation and spelling. The idea is to collect data from a number of native English speakers and bilinguals by composing a set of questions to look for patterns and differences. Much scholarship has been done on CMC and both of its categories, but an area that explores the difference between monolinguals and bilinguals is yet to be explored, especially when the global language, English, is evolving due to its common use in different regions and cultures. American English, for example, has evolved differently than British English, and they both differ from Indian English. This study aims to explore the different paths a language can evolve by examining language behavior influenced by CMC between native English speakers and foreign English speakers by drawing out the different patterns of language use (punctuation, abbreviation, and spelling).

AI VS. HUMAN: A PRELIMINARY INVESTIGATION INTO ARABIC-ENGLISH CODE-SWITCHING

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AI, Human, Code-Switching, Arabic, English

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18 MONTHS OF RESEARCHING GENAI ON CAMPUS: WHAT WE HAVE LEARNED

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Generative artificial intelligence, AIED, pedagogy, higher education

HOW TO CITE

18 Months of Researching GenAI on Campus: What We Have Learned (2024). The Sharjah International Conference on AI & Linguistics, 1(1).



ABSTRACT

This session highlights the findings from 18 months of investigating the use of GenAI in higher education contexts. Our research looked closely into teachers' practice, students' engagement with GenAI, and classroom observations. Findings highlighted several needs to allow for a smooth and effective integration of GenAI tools into the classroom. To respond to these needs, we developed the LAIK framework, a practical framework that guides teachers in integrating GenAI into higher education classrooms. This session will discuss the framework and its different stages in ways that are practical and relevant to educators in higher education.

GAI DEVELOPMENTS IN AUTO-PEER: ENHANCING THE AUTOMATED PEER-REVIEW EXPERIENCE

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FUTURE OF ARTIFICIAL INTELLIGENCE – A VISIONARY BUSI- NESS APPROACH

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HOW TO CITE

Future of Artificial Intelligence –
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ABSTRACT

This paper presents a comprehensive analysis of the transform-ative potential of Artificial Intelligence (AI) and Large Language Models (LLMs) in reshaping various sectors of society, economy, and individual performance. The discussion begins with an over-view of the current landscape of AI, highlighting the significant hype surrounding its capabilities and the dichotomy of perspec-tives that have emerged: the “Bloomers,” who advocate for AI as a catalyst for unprecedented advancements in human capability, and the “Doomers,” who express concerns about job displace-ment and existential threats posed by autonomous technologies. The paper delves into the challenges associated with AI adoption, including ethical dilemmas, privacy concerns, and the risk of an AI bubble that may inflate expectations beyond reality. It critical-ly examines the implications of these challenges on the work-force and societal structures, emphasizing the need for proactive measures to mitigate potential negative outcomes. Furthermore, the analysis highlights the real value that AI can deliver across various industries, such as healthcare, finance, and education, by improving efficiency, enhancing decision-making, and foster-ing innovation. The paper outlines 14 distinct case studies that illustrate how AI can be better utilized to reshape operations and drive growth in these sectors, while also acknowledging the on-going challenges related to technology dissemination and privacy. In conclusion, this work aims to provide a nuanced understanding of AI’s capabilities and limitations, offering strategic insights for stakeholders to harness AI’s potential responsibly and effectively. By examining the past, present, and future trajectories of AI, the paper seeks to contribute to the discourse on how to leverage AI for a more prosperous, equitable, and sustainable future.

الذكاء اللغوي وبناء المعجم العقلي في الطفولة المبكرة (مقاربة تطبيقية)

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IMPACT OF CHATGPT ON VOCABULARY DEVELOPMENT: A COMPARISON STUDY

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ChatGPT, vocabulary development,
foreign language learning, Google Translate

HOW TO CITE

Impact of ChatGPT on Vocabulary
Development: AComparison Study.
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ABSTRACT

This pilot study examines the efficacy of ChatGPT when compared to traditional online language learning platforms such as Google Translate on vocabulary learning among undergraduate students learning elementary Korean at the American University of Sharjah (AUS). While numerous studies have investigated ChatGPT's effectiveness in improving students' vocabulary development, few studies have focused on the impact of ChatGPT in enhancing learners' linguistic abilities in a language other than English. In this regard, the current study employs empirical methods to analyze the efficacy of ChatGPT on vocabulary development when compared to Google Translate. The target words included in the pre-test and post-test were some basic but frequently used concrete Korean nouns. The intervention involved participants reading two short Korean passages with embedded target words while using either ChatGPT or Google Translate to interpret any unknown words. Results showed that the ChatGPT group had a greater mean test score than the Google Translate group. The relative difference in the performance could be attributed to greater levels of involvement while using a chatbot as compared to a translation tool. By also taking into consideration the students' perspectives on the effectiveness of online tools for language learning, the study recommends how instructors can use AI for language teaching.

لغة الوثائق وأهميتها في كتابة البحوث التاريخية الأرشيف والمكتبة الوطنية نموذجاً

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AJAMI HISTORY, CULTURE, AND ASSIMILATION

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HOW TO CITE

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الأرشيف والمكتبة الوطنية نموذجاً

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1(1).



ABSTRACT

تعرض هذه الورقة أهمية الأرشيف والوثائق في توثيق التاريخ والحفاظ على التراث الثقافي والمعرفي للأمم. تستعرض المراحل المختلفة لتطور الأرشيف، بدءاً من الأرشيف التقليدي إلى الأرشيف الإلكترونية في العصر الحديث. كما تبرز الوثيقة دور الأرشيف في دعم البحث العلمي وتوفير المعلومات اللازمة للباحثين والمهتمين. بالإضافة إلى ذلك، يتم تناول بعض النماذج من المخطوطات والأرشيفات المختلفة، مثل الأرشيف العثماني والأرشيف الألماني، مما يعكس تنوع الوثائق وأهميتها في فهم التاريخ. تسلط هذه الورقة الضوء أيضاً على المبادرات الحديثة مثل مشروع منصة أرشيف الخليج العربي الرقمي، الذي يهدف إلى تعزيز الوصول إلى المعلومات وحفظ التراث.

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Ajami language, Ajami culture, UAE
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HOW TO CITE

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1(1).



ABSTRACT

This study investigates Ajami, which is the language of the Ajami ethnicity in the UAE. Currently, usage of Ajami is declining, and the multiplicity of Emirati citizens’ cultural identities has converged over time to form one monolithic national identity; consequently, academic research on local cultures that are not broadly officially recognized, like Ajami, is scarce. Given that language is one of the most important representations of culture, examining Ajami language and its use can provide valuable insights into the status of Ajami culture in the UAE. The body of existing academic work dedicated to studying the Ajami language and history, in addition to being scarce, is conflicting, reflecting the socially controversial nature of the Ajami identity and history. To address these gaps in knowledge, in-depth interviews were conducted with members of the Ajami community regarding their ethnicity, the social environment surrounding the Ajami language, and their language use. Findings of these interviews are cross-examined by previous research on Ajami and other minority languages, which further suggest the need for the revival of the Ajami language and culture through larger community efforts. It is expected that an introduction of new technologies such as AI language learning tools will play a crucial role in keeping records of the Ajami language, so that it may be inherited to future generations.

PROCEEDINGS OF 1ST THE SHARJAH INTERNATIONAL CONFERENCE ON AI & LINGUISTICS, SHARJAH, UAE
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LEVERAGING ARTIFICIAL INTELLIGENCE FOR ENHANCED LINGUISTIC ANALYSIS: A DEEP LEARNING APPROACH TO LANGUAGE UNDERSTANDING

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HOW TO CITE

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A Deep Learning Approach to Language Understanding.
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1(1).



ABSTRACT

The integration of Artificial Intelligence(AI)into the field of linguistics has catalysed unprecedented advancements, particularly through the application of deep learning algorithms in Natural Language Processing (NLP.This paper investigates contemporary AI-driven methodologies for linguistic analysis, emphasizing the transformative impact of deep learning models on tasks such as language modeling, semantic analysis, and syntactic parsing. By leveraging state-of-the-art transformer architectures, we assess their efficacy in capturing the multifaceted nature of human language, including phenomena such as polysemy, syntactic variability, and discourse structures.Our research employs a comparative analysis of various AI models, evaluating their performance across diverse linguistic datasets to elucidate their strengths and limitations in language understanding tasks. Furthermore, we explore the implications of these advancements for computational linguistics, highlighting how AI can enhance both theoretical frameworks and practical applications, including machine translation, sentiment analysis, and the development of conversational agents.Despite the transformative potential of AI in linguistics, our findings underscore critical challenges,particularly concerning model interpretability and the nuanced replication of human context.This study contributes to the ongoing discourse on the development of more effective AI methodologies, advocating for the integration of AI tools in the pursuit of understanding and preserving linguistic diversity.By addressing these challenges, we aim to foster a more profound engagement with the complexities of human language through AI-enhanced linguistic research.

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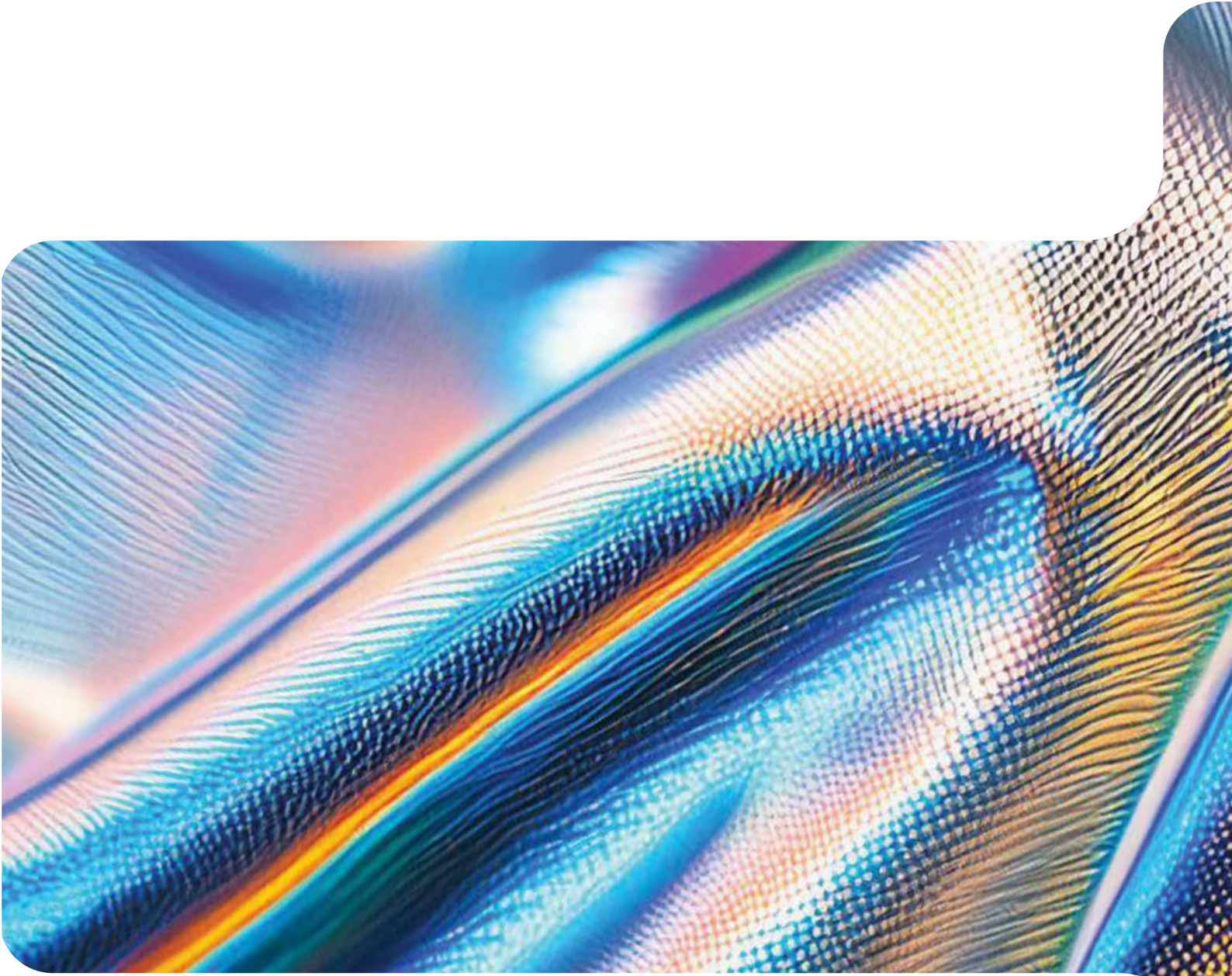
Bienvenido
اَهْلًا وَسَهْلًا
Welcome
اَهْلًا وَسَهْلًا

WELCOME
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