

IEEE-UBMK-2026 International Conference on Computer Sciences and Engineering (First day 16 September 2026)

08:30-09:30	Registration - Kayıt										
09:30-10:00	Music concert - Müzik Dinletisi										
10:00-10:45	Opening Speeches - Açılış ve Protokol Konuşmaları										
10:00-11:00	Coffee Break										
11:00-12:00	Keynote Speakers Chair Prof. Dr. Ali Yazıcı Ethics and Law in the Age of AI (Yapay Zeka Çağında Etik ve Hukuk): Assoc. Prof. Dr. Elif Küzeci, Bilkent University										
12:30-14:00	Lunch										
	Room 102	Room 104	Room 121	Room 122	Room 123	Room Z16	Room Z17	Room Z18	Room Z19	Room Z20	Room Z21
	Session 01 : NLP Assoc. Prof. Dr. L. Kubedinova	Session 02 : NLP Prof. İ. Soğukpınar	Session 03 : ML Prof. Dr. M. Kamaşak	Session 04 : ML Prof. Dr. T. Ovatman	Session 05 : AI Prof. Dr. Ş. Öğüdücü	Session 06 : AI Prof. Dr. N. Duru	Session 07 : SW Assoc. Prof. Dr. F. Buzluca	Session 08 : CVIS Prof. Dr. N. Aydın	Session 09 : CRYPT Prof. Dr. Ş. Bahtiyar	Session 10 : BIO Prof. Dr. D.T. Altılar	Session 11 : NLP Prof. Dr. M. Abjalova
14:00-14:20	3052: Toward a Data-Driven Digital Twin for Multi-Tenant Warehouse Slotting and Picking Analytics;A.Ozpınar A. Zehir ; E.Capin ; M.Sahin	3180: A Comparative Analysis of the TF-IDF Performance of Different Text Fields in Patent Similarity Detection; H. N. Izmirlı ; Ç. Bilgin ; F. Ayar ; E.Y. Güven	2841: EEG Seizure Detection under a Latency Budget: A Comparison of Constrained Feature-Selection Methods; A. JafariFarmand ; H.Sallam	2914: Ses Steganografisinde Farklı Gizli Veri Türlerinin CNN Tabanlı Modellerle Çoklu Sınıflandırılması; B.N. Öztürk ; B.E. Özбек ; Ferza Er ; Z. Uçar ; M. Pınar	2850: Post-Earthquake Casualty Transport Optimization; H.Balci ; D. Öz	2976: Post-Hoc Explainability for Neural Anomaly Detection in Logistics: An Empirical Comparison of SHAP, LIME, and Integrated Gradients;E.Eroğlu	2890: A Serverless, Event-Multiplexed Architecture for Device Diagnostics in a Connected Industrial IoT Platform; G. Esmer	2936: Is Your Cat Talking? A Multimodal Approach to Recognizing Cat Emotions H. Sevis ; Ü. Şerifi	2885: CNN-Based Steganalysis of Color PNG and JPEG Images; A. Koltuksuz ; D. Hacıoglu ; K. Coskun ; S. Aydın ; M. E. Baykent	2937: The Influence of Prompting Strategies on the Performance of Multimodal Large Language Models in Dental Implant Planning K. Akbulut ; F. Gökke Akbulut	2911: Türkiye AMR'yi Çok Dilli Pratikte Hizalamak; Bir Anotasyon Rehberi ve Altın Standart Veri Kümesi Oluşturulması; M. Bilgin ; B. Özen ; E. Çapoğlu
14:20-14:40	2926: MixedPEFT: Combining Multiple PEFT Methods with Mixed Objectives for Unsupervised Domain Adaptation; M. Rawhani ; D. Karaboğa ; Ö. U. Nalbantoğlu ; A.Baştürk ; B.Akay	3222: SQL or MongoDB? Comparing Large Language Models on Turkish Natural-Language-to-Query Generation; S. Şentürk	2855: Accuracy Performance Evaluation of CNN and CNN-LSTM Models in Hyperspectral Image Classification; Ü.Öztürk	2915: Leakage-Aware Predictive Maintenance for Industrial Robots: Benchmarking Time-to-Failure and Failure-Cause Models; K. Arık ; B.Äggöl ; B.Erol	2851: AI-Driven Adaptive Learning Environments for Special Educational Needs;s.baumuratova ; D. Baumuratova ; T. Zhukabayeva	3065: Dengesiz Klinik Verilerde Uyumlu Tahmin: Sınıf Bazlı Kapsama Analizi; K.Akkanat	2945: PPRC: Perspective-Preserving Road-Scene Compression for Efficient Single-Image Coding; H. Karaçalı ; E. Cebel ; N. Dönüm	2990: Görsel Nesne Takibinde Örtülme Sorunları İçin Tak-Çalıştır ve Modüler Bir Yaklaşım: ÖKB; K. Peker ; D. T. Altılar	2898: When Is Personalized Federated Learning Worth Its Deployment Cost? B. B. Yüksel, E. Dikbiyık	2959: Automatic Detection of Post-Disaster Psychological Risks from Speech Signals Using Deep Learning; M. B. Akbar ; S. Oyucu ; B. Arslan ; M. E. Korkut ; H. M. Öztürk	3009 : Kutadgu Bilig ve Atabetü'l Hakayık Eserlerine Dayalı Pankronik Bir Anlamsal Metin Derlemesinin Oluşturulması: Yapısı, Etiketlemesi ve Analitik Olanaklar T. Sitora Bahodir kızı ; K.S.Mirdjonovna
14:40-15:00	3075: Enhancing Sign Language Machine Translation with Pre-trained Embeddings; A.T. Coşkun ; B.Eroğlu ; B.Mutlu	3291: Comparative Analysis of LSTM and Transformer Architectures in Biomedical Text Summarization;İ.GÜR ; A.Berika V.Malkocoglu ; Kazım Kılıç ; Ö.Tonkal ; Z.Cömert	2873: Efficient Forecasting of Chaotic Attractors Using Machine Learning and Phase Space Reconstruction;S.A.Kassem; S. K. Abd-El-Hafiz ; N. G. El-Din Saad; A. G. Radwan	2932: Application of Machine Learning Classification Techniques to the Gene Expression Dataset of Leukemia Cancer ;Z.M.I.Ibrahim; T. İbrikiç; U. Çevik	2908: An Ontology for Large Language Model Based Agent Systems;S. Tuğal; M.O.Unalır	2994: Generation and Annotation Capabilities in Large Language Models: A Comparative Study of Lightweight Transformers and LLM Classifiers in Text-Based Emotion Recognition; B.Chekol ; K.S. Benli	2952: Aşgıap Kusurlarının Tespit Etmede SegFormer-B2-Ünet ve Swin-Ünet Yöntemlerinin Karşılaştırılması; A. Ereğ ; S. Aksu ; H. Öcal ; K. Bakır ; D. Aydemir	3005: Compact Vision-Language Models for Bi-temporal Disaster Damage Assessment: A Benchmark and Fine-Tuning Study on DisasterM3; H. Oktay ; A. Elbir ; G. Bilgin	3242: A Custodial Cold Wallet Proposal and Its Clark-Wilson Integrity Model Analysis E. B. Aydemir ; M. T. Sandıkçaya	2962: A Segmentation-Assisted Dual-Branch BioMedCLIP Approach for Thyroid Ultrasound Classification; E. Eroğlu ; M. Başgöze ; M. İ. Aşık ; E. B. Kabilan ; M. Baykara	3035: Büyük Dil Modeli Tabanlı Türkçe Adlandırılmış Varlık Tespit Etme Sistemi; A.Pak ; S.A.Özel
15:00-15:20	3025: TurkLegalRAG: A Novel Dataset and Hybrid Retrieval Pipeline for Turkish Law; A.B. Çetinkaya ; C.A. Özgün ; S.B.Akkaya ; İ.Baş	3096: Text-Based Auto Insurance Fraud Detection from Extremely Imbalanced Turkish Expert Reports Using a GRU Network;B.Öztekın ; H.C.Koral ; İ.Çolak ; A.Özpınar	2874: Metaheuristic Optimization of Long-Short Term Memory for ECG Time Series Forecasting;S. H. Abdelhamied ; S. K. Abd-El-Hafiz ; N.g.El-Din Saad ; A.G. Radwan	2947: TheTheusens: Zero-Forgetting Continual Learning via Isolated Adapters and Atomic Task Surgery; T.Uz A.Sayar	2923: Customer Segmentation and Behavior Prediction Platform on Real-World Corporate Banking Data; M.Emektar ; F.M. Harmancı ; A.Aktolun	3016: Evaluation Framework for Agentic Document Generation Pipelines; S.Dündar ; S.Yalçınkaya ; M.K.Gürkan ; V.Dağlı	3054: Pre-Release Performance Risk Screening for Backend Components Using Static Code and Database-Aware Features; M. S. Uysal ; F. Buzluca	3022: Explainable Deep Learning for High- Grade Glioma Detection in Multi-Sequence Brain MRI; C. Zalluhoğlu M. Koyunçal ; S. Koyunçal	3007: Self-Healing TLS Fingerprinting: Overcoming Cipher Stunting and Signature Aging via FP-Growth and BERT; A. C. Cengiz S. Aydos ; A. S. Kuruoğlu ; A. Akbaş	3023: Federated Learning-Based MRI Modality Synthesis on TCGA-GBM S. Hassanizogabadi ; N. Gokmen ; O. Kocadagli ; G. İnan	3077: Yapay Zeka Destekli Otomatikleştirilmiş, Patent Yazım (Patent Drafting) Programı AI Powered Automated Patent Drafting Program; B.S.Karagülle ; E.Şahin ; E.Yurtal ; M.O Bağıran ; M.Demirkoparan
15:20-15:40	2940: Sarcasm-Aware Sentiment Analysis: A Two-Stage Pipeline with Selective and Weighted Correction Strategies; Y.Köse, Ö. E. Çınar	3031: LLM-Assisted Annotation of Approach and Avoidance in AI-Anxiety Discourse: Reliability and an Anchoring Effect on Open Social Media; H.B. Kaya	2893: Uydu Verilerinin Çok Modlu Zehirlenme Saldırılarına Karşı Yangını Risk Haritalama; F. Yılmaz ; E. Çınar	2973: Empirical Evaluation of Deep Learning Inference on ESP32-53 Microcontroller;J. Alipournajmi; H. Yörük ; Y. C. Bilge	2933: Adapting Content Through Artificial Intelligence: Opportunities for an Inclusive Learning Platform; G. Nurbekova	3028: Deep Learning-Based Detection of Prompt Injection Attacks in Turkish Inputs ; Ş. Yılmaz ; A. F. Bilgin ; Berkay Özçam ; M. A. Aydın	3084: Iterative Cost Optimization in Text-to-SQL: A Self-Correcting LLM System for Safe Query Refactoring; İ. Demir ; F. B. Tek	3030: Systematic Analysis of PreprocessingMethods for Patch-Level Classification in Whole Slide Images; D. K. Ağlamaz ; A. Gülşen	3021: MITRE Maruziyet İstihbarat Platformu: Ağ Dijital İzli ve Batışış Örnek Ağ	3042: TeleFEA: A Real-Time Transfer Learning-Based Telemedical Pipeline for Face Emotion Analysis; N. Ekinciar ; E. Tosun ; B. Ghaseemkhani ; A. Ozdemir ; M. Ekinci	3384 : Onay ve Ret Emojilerinin Cinsiyete Özgü Pragmatik Özellikleri (Özbek Dijital Söylem Materyalleri Temelinde); M.Abjalova
15:40-16:00	3266: Emotional Preservation in English to Turkish Poetry Translation with Large Language Models; A.Demezoğlu	3219: Quantile Regresyon ile Çevrimiçi Araç Akış Arırtmalarında Talep Yoğunluğu ve Araç Cezası Tahmini;İ.Uçuran M.Bilgin	2904: Aşırı Non-İİD Federe Öğrenmede Zehirlenme Saldırılarına Karşı Küme-Duyarlı Güven Kalibrasyonu; İ.Karatay ; S.Yavuz	2991: Continuous Subnode Optimization For The Truck-Drone Traveling Salesman Problem; E.Köybaşı	2949: Detection of Hidden-City and Hybrid-Connection Price Anomalies in Airline Networks via Multi-Source Graph-Based Routing; Y. S. CAN ; A. Türkmen ; E.B. Giritli ; D. Gözüpek ; S.Uğrac	3028: Responsible Response Behavior in Enterprise AI Assistants: The Effect of Verification Cues on Trust and Reliance Intention;İ.Demirtaş ; İ.E.Emre	3173: Annotation Light Requirements-to-Test Traceability with Hybrid Retrieval and LLM Validation; A. B. Özten ; E. Tarak ; H. H. Kılınç	3041: Geometri-Farkında Q-Skoru ile Az-Etiketli Yarı-Denetimli Yönlü Nesne Tespiti A. F. Arvas ; G. Bilgin	2905: Marka Suistimali Arama Alanı (BASS): MetaSezgisel Optimizasyon ve Çok Katmanlı	3045: Rat ve Fare Beyni Segmentasyonu için Beyin Atlasları, Veri Kümeleri ve Yapay Zeka Tabanlı Yöntemler Üzerine Bir Derleme M. Gürbüzler ; T. Tursun ; Ö. M. Özpiskin ; M. Kurt Pehlivanoglu ; N. B. Albayrak ; İ. Doğan ; N. Duru	3172: Türkiye'de 5G Teknolojisine Yönelik kullanıcı Algılarının BERTopic, CTM ve Büyük Dil Modelleri ile Analizi;Kadir Eker; G.Kaba ; F.N.Yücekaya ; Z.S.Ökten ; A.G.Eker ; M.K. Pehlivanoglu
16:00-16:20	Coffee Break										
16:20-17:00	Keynote Speakers Chair Prof. Dr. Ali Yazıcı		AI Intelligence, Simulation, Ethics and Law (Yapay Zeka, Benzetim, Etik ve Hukuk): Prof. Dr. Tuncer Ören Ottawa University, Canada								
17:00-18:30	Artificial Intelligence Trainings: Dr. Merve Ayyüce Kızrak, Prof. Dr. Fatih Amasyalı, Kaan Yüce, Toprak Kesgin										

	Room 102	Room 104	Room 121	Room 122	Room 123	Room Z16	Room Z17	Room Z18	Room Z19	Room Z22	Room Z22
	Session 12 : NLP Assoc. Prof. Dr. T. Batura	Session 13 : NLP Prof. Dr. G. Eryigit	Session 14 : NLP Assoc. Prof. Dr. B. Tek	Session 15 : AI Prof. Dr. L. Suleimenova	Session 16 : AI Prof. Dr. E. Karsligil	Session 17: ML Prof. Dr. H. Oğuztüzün	Session 18 : BIO Prof. Dr. H. H. Öz	Session 19 : CVIS Prof. Dr. İ. Türkoğlu	Session 20 : CRYP + IoT Prof. Dr. Y. Becerikli	Session 21: LLM Assoc. Prof. Dr. A. Gatiatullin	Session 22 : NLP Assoc. Prof. Dr. N. Mukazhanov
09:00-09:20	2998: Machine Learning-Based Topic Classification of Economic and Financial Texts in Uzbek; N. Abdurakhmonova; Z. Taxirov ; P. Gulkhayyo ; Z. Juraeva ; I.Shamsudinova ; S. Qodirberganova	2919: Metaphorical Conceptualization in Scientific Discourse: Structuring Knowledge Through Cross-Disciplinary Corpus Evidence; C.Choriyeva	3347: Cross-Lingual Transfer Learning for Low-Resource Uzbek Named Entity Recognition; B. E. Boltayevich ; R. A. Habibovich ; N. A. Hamroqulovna ; N. K. Uktambay o'g'li	3158: Türkçe Teknik Belgeler için Geri Getirimi Destekli Makine Çevirisi;E.Beyza Tok ; E.Şatır	3178: A Decision Support System for Context-Adaptive and Trustworthy Selection of Generative AI Tools; B.E.Esirik	2992: Gradient-Driven Adaptive Pruning In Noise-Distorted Feature Selection Frameworks;E.Kübaşı	3107: A DenseNet-121-Based Multi-Scale Attention Fusion Framework for Peripheral Blood Cell Classification; D. B. Küçük H. Polat ; M. Türkoğlu ; A. B. Varol Malkoçoğlu ; M. Aydın ; K. Kılıç ; Z. Çömert	3051: Explainable Deep Learning for Vehicle and Pedestrian Detection in Drone Imagery Z. S. Demir ; B. Z. Çelik ; I. Yelmen	3301: An Equivalent-Key Chosen-Plaintext Break of a 2025 Chaos-Based Image Cipher E. Bektaş	3205: Automated Classification of Technical Support Tickets Using Fine-Tuned Open-Weight Large Language Models; Y. E. Kahrman ; T. Aytekin ; S. Erat ; H. Bağdadioğlu ; S. Özbilgin ; E. Demirel	3377: Contextual and Cultural Issues of Translating Uzbek Idioms into English through Machine Translation; M. Abjalova ; E.Adali; S. Sharipova ; D. Bakhranova ; G. Komilova
09:20-09:40	2863: Detecting Sufi Terminology in Uzbek Literary Prose Using NLP and Large Language Models; A Transformer-Based Approach; F. Abdulloeva	2877: Components of Complex (Compound) Anthroponyms; Linguistic Analysis and NLP Approach; I. Kozieva	3348: Script-Robust Named Entity Recognition for Uzbek: Evaluation on Latin, Cyrillic and Mixed-Script Texts B. E. Boltayevich ; R. A. Habibovich ; N. A. Hamroqulovna ; N. K. Uktambay o'g'li	3118: Augmentation and Cutout in Deepfake Detection: A Comparative Study of Accuracy, Calibration, and Attention; M. Kaya	3214: An Ethical and Governance-Aware Data Collection Framework for Low-Resource Kazakh LLM Training; M. Kemelbek ; Z. Nurbekova	2993: Optimizing lightweight CNN Architectures with Transfer Learning and CBAM for Sunflower Leaf Disease Classification;B.Çantaoglu ; M.Bilgin	3166: Robust and Explainable Wearable Stress Recognition under Physical Activity Confounding; I. B. Yavru	3071 : Metal Casting Defect Detection with Human-in-the-Loop Integration; D. Z. Kesgün ; G. Küçük	3306: PhonEthic: An AI-Driven Framework for Mitigating Voice-based Phishing T. Karci	3085: A Comparative Study of Fine-Tuned Large Language Models for Turkish Radiology Report Generation; H. R. Kiani ; Z. Zeren Karayigit ; M. Pinar ; A. B. Altinel Girgin ; B. N. Öztürk	3378: Technology for the Automatic Identification of N-Grams in the Alisher Navoiy Author Corpus; M. Abjalova ; N. Gulomova ; O. T. Tojiboyeva; F. Tursunboyeva ; O. Yuldashov
09:40-10:00	2880: Sentiment Analysis for Uzbek Language Using Pre-trained Multilingual Models; D. Boltayeva	2918: Metaphor as an Epistemic Resource in Scientific Discourse: A Corpus-Based Comparative Study of Biology and Chemistry; M. Sulaymonova	3349: Syntactic level of language description in the linguistic portal "Turkic morpheme" with integration of Ontological Dependencies; A. Gatiatullin ; N. Prokopyev ; L. Kubedinova ; R. Sagdeeva	3133: Hybrid Connect-Four AI: Minimax with Alpha-Beta Pruning, Multi-Model Ensemble, and Explainable Analytics; H.S.AUNG ; N.George ; A.Warsamah ; S.Alp	3223: POS-MAS: An Autonomous Multi Agent and RAG Driven Diagnostic Platformfor Token POS Systems; M.E.Acar ; E.A.Olca	2995: İFAS: Sansuz Katlı Asimetrik Maliyetli Yumurta Bırakma Arama Yöntemi;B.D. YUMAK	3184: A Real-Time IoT-Based Infection Risk Sensor System for Indoor Environments: Architecture, Modeling, and Microbiological Validation; E. Oezkaya ; T. E. Oezkaya ; M. O. Öncül ; B. Öncül	3136 : ConvNeXt-viT Cross-Attention Fusion: Bridging Local Texture and Global Semantics for AI-Generated Image Detection Ö. Durmuş ; K. Kılıç ; E. Soyulu ; M. Türkoğlu Z. Çömert	3331: Kelime Dönüşümü ile Yazı Gizleme (Text Transformation) K. Acar ; T. Ayıldız ; I. Soğukpınar	3098: A Self-Refining Reasoning Framework for Evidence-Based Radiology Reporting Using Small Language Models; Ş. Tiryaki ; Y. S. Akgül	3380: A Computational-Pragmatic Framework for Nonverbal Units in Digital Discourse; G. Khasanova ; M. Abjalova ; M. K.xakimova ; A. Ozotov
10:00-10:20	2955: NLP-Assisted Areal Lexicology: A Rule-Based Pipeline for Mapping Karluk Lexical Units in Uzbek; S. Yoqubov	3015: WordNet as a Model for Developing a Bilingual Thesaurus of English and Uzbek Qualitative Adjectives; N. Shamieva	3350: Extracting hyponym–hypernym pairs from the Tatar corpus "Tugan tel" usin Hearst Patterns: a comparison of surface and morphologically informed approaches A. Mindubaev ; A. Gatiatullin ; N. Prokopyev	3269: Yükseköğretimde Yapay Zekâ Yetkinlik Modeli: Piri Reis Üniversitesi Örneği; R. T. Sirmen	3258: A Generative AI-Based Technology for Developing Level-Based InstructionalTasks in Grade 9 Informatics Education; S.Sattarova	3003: DQN-Based Autonomous UAV Target Navigation in a GridWorld Environment with a Q-Learning Baseline ;H.Haznedar ; F.Polat	3230: SessileNet: An Attention-Guided Encoder–Decoder Framework for Robust Sessile Polyp Segmentation; F. Demircan	3145 : Uçtan Uca Endüstriyel Hata Tespiti: DETR ve YOLOv8 Mimarilerinin Baskılı Devre Kartları Üzerinde Karşılaştırmalı Analizi; H. Haznedar ; A. Yıldırım	2984: A LoRA-Based Multi-Entity V2X Messaging Testbed for Cooperative ITS: Standards-Compliant Encoding, IEEE 1609.2 Security, and Airtime Analysis U. Cöruh	3111: Synthetic Product Review Detection with Large Language Models: A Scenario-Aware Prompt-Based Evaluation; O. Giray ; B. Lîf ; M. Osmanoglu	3379: The Architecture and Integration of a Multilayer Semantic Database G. Komilova ; M. Abjalova ; M. Sharipov ; M. Sohiba
10:20-10:40	3094: Automatic Identification and Syntactic Modeling of Clause-Complicating Components in the Uzbek Language; S.K.Mirdjanovna ; G.Nuriddinova	2996: Developing Morphological and Syntactic Analysis Models for Karakalpak as a Low-Resource Turkic Language; N.Abdurakhmonova ; R.Sayfullaeva ; G.Juraeva ; S.Boysariyeva ; Z.Kadirova ; N.otirova	3360: Functional-Semantic, Cognitive, and National-Cultural Representation of the Lexicon Denoting Human Psychological States, and Its Computational-Linguistic Modeling Z. M. Khayatova	3170: BPI-Guard: A Bilingual Prompt Injection Detector for Turkish and English; M. N. Erdoğan ; A. B. Kanburuğlu	3385: UGM-Legal-AI: Türk Gümrük Mevzuatı için Soru Yanıtlama Sistemi S.Ayverdi	3029: A Two-Stage LightGBM-LSTM Architecture for Component-Level Defect Prediction in PCB Manufacturing ;M.S.Yasak ; E.Y. Gülel	3305: Layer-Embedded 3D PointNet++ for Retinal Disease Classification from OCT Point Clouds; B. Şahin ; Y. Turkan ; F. B. Tek	3171: Physics-Aware Optical Video Generation from mmWave Radar Data via Motion Parameter Extraction A. Karakuş ; Y. S. Akgül	3024: IoT-Based Water Purification System using Solar-Powered Reverse Osmosis H. Kutlu ; E. Özer ; Y. Yılmaz	3125: Tekna AI: Telekomünikasyon ve Veri Müşteri Etkileşiminde Etkinlik, Hibrit RAG ve Semantik Önbelikleme Tabanlı Deneyisel Bir Değerlendirme; B. Yılmaz	3381: Possibilities of Describing the Semantics of Idioms and Proverbs in the Alisher Navoiy Authorial Corpus; M. Abjalova ; N. Gulomova ; R. Gulbahor ; U. Jurakulov ; M. E'zoza
10:40-11:00	3127: UzNatCorPora: Building an Integrated Morphological Processing Infrastructure for Uzbek; S.Khamroeva	3102: UzEDSA: A Multi-Task Web Platform for Emotion, Sentiment, Sarcasm, and Domain Analysis of the Uzbek Language; Feruza	3362: Building a Knowledge Graph from Named Entities Extracted from Uzbek Texts; Madina Samatboyeva	3313: SHAP Explanation Stability and Calibration as Governance Metrics in AI-Assisted Intrusion Detection Systems; R. Ayoub	2989: Çoklu Yapay Zekâ Modellerinin Sözlösme Yönetim Platformuna Entegrasyonu için Modüler Bir Mimari Yaklaşımı;İ.G.Nalçacı ; F.Şeker	3033: İOT Ağlarında Çoklu Sınıf Saldırı Tespiti için Derin Öğrenme ve Graf Tabanlı Modellerin Karşılaştırmalı Analizi: Sınıf Dengesizliği Yönetimi ve Şeffaf Bir Açıklanabilirlik Katmanı; Z.AÇIKGÖZ ; İ.A. DOĞRU	3308: Multi Modal Ensemble Soft Voting for Future Alzheimer's Disease Prediction from UK Biobank; Y. Turkan ; E. C. Kirbiyik ; F. B. Tek	3202: An AI-Powered Framework for Comprehensive Skin Analysis and Personalized Skincare Recommendation Y. Kılıç ; E. B. Sonmez	3069: EcoHaul: A Smart Waste Management System Using a Dynamic Priority and Efficient Truck Dispatch Algorithm; A. Duryaz ; Ş. Baydere	3188: Abstract-Based Journal Recommendation for Computer Science Publications Using Classical and Transformer-Based Models; B. Sazlı ; M. Günay	3382: Uzcorpora.uz – The Software Created for the Uzbek Language Multicorpus and its Linguistic Databases; M. Abjalova ; D. Bakhranova ; M. Umurzakova ; N. Akmedov

Coffee Break

ArGe Presentation

Chair: Prof. Dr. Şule Öğüdücü

Lunch

Panel

Dr. Başak OZAN ÖZPARLAK (Dr. Mustafa Saldırım, Bora Üzüm): **Yapay Zeka – Hukuk - Law & AI**

	Room 102	Room 104	Room 121	Room 122	Room 123	Room Z16	Room Z17	Room Z18	Room Z19	Room Z20	Room Z22
	Session 23 : NLP Prof. Dr. Dr. D. Rakhimova	Session 24 : NLP Assoc. Prof. Dr. K. S. Mirdjonovna	Session 25 : ML Assoc. Prof. Dr. A. Çakmak	Session 26 : AI Prof. Dr. A. Yerimbetova	Session 27 : ML Prof. Dr. A. Mukhanova	Session 28 : SW_BLK Dr. K. Özlem	Session 29: GAME+BLK +ML Prof. Dr. C. Karakuzu	Session 30 : CVIS Prof. Dr. H. Öz	Session 32: LLM Assoc. Prof. Dr. A. Gatiatullin	Session 33: CLOUD + LAW Dr. S. Yağmur	Session 34 : NLP Prof. Dr. N. Abdurakhmonova
14:30-14:50	3150: mT5-Small for Uzbek Question Generation: Dataset Audit and Corpus Scaling Strategy; I. Nasriddinova	3097: Attention-Enhanced 1D Convolutional Transformer for Skeleton-Based Sign Language Recognition ; K. E. Yerimbetova ; B. Sakenov ; U. Berzhanova; E. Daiyrbayeva	3036: Reinforcement Learning Based Dual-Runway Sequencing Using Real-World ADS-B Data;Fatih S.Yakar ; Y.Genç	3316: LLM-as-a-Judge Vulnerabilities in Review Summarization and a Reasoning-based Defense against Cross-Lingual Prompt Injection;A.K.Güler ; M.A.Aydin	3235: Calibration and Selective-Risk Reliability of Tabular Models under Controlled Feature Shift; F. Ç. Eraslan ; K. E. Eslemez ; M. A. Yürük ; F. Korkmaz ; B. Ak ; M. Sülük ; F. Ö. Koçoğlu	3198: LAPIS Tabanlı Yazılım Kalite Yönetimi;Çevik Süreçlerde Çok Boyutlu Ölçüm ve Karar Destek Yaklaşımı; N. Canbaz Horozlu ;T. Öztürk Kaya ; İ. Duran	3060: Comparative Analysis of Data-Oriented Design Performance in Game Engines: A Case Study of Unity and Godot M. E. Şahan	3221: Benchmarking Active-Learning Query Strategies for Pixel-wise Hyperspectral Image Classification: A Budget-by-Headroom Analysis; E. Çine ; N. Akbar ;A. Güneş	3073: Türkiye Soru-Yanıtlama İçin Öz-Denetimli ve Çekimler Ajan Tabanlı RAG Sistemi; K. Töhma ; P. Güneş ; H. Benli	2917: EnergetiScope: Energy Prediction for Kubernetes Workloads at Admission Time M. S. Ardebili	2997: Building a Phraseological Ontology of Uzbek Idioms and Evaluating Similarity Measures for Their Detection in Text; E. Nazirova; N.Abdurakhmonova; N. Madetbayeva
14:50-15:10	3114: Artificial Intelligence-Based Linguopragmatic Analysis of Multimodal Communication in Uzbek Telegram Social Media;C.Choriyeva	3101: Deep Learning-Based Speech-to-Sign Language Translation for Inclusive Communication; A. Yerimbetova ; E. Daiyrbayeva ; B. Sakenov ; U. Berzhanova; B. Akbayan	3386: ML-Based Intelligent Kernel Scheduler; A. Koltukusz; Y. A. Yüksel; B. Nişancı; G. Doğruöz ; Y. E. Bostanlı	3326: SmartAPI: Artificial Intelligence Assisted API Test Generation and Open Banking Verification;alı aktolun ; f.m. harmancı ; m.emektar ; b.karadavut	3273: Farm-Specific Anomaly Detection in Wind Turbine SCADA Data; B. Vural	3245: A Reflection-Driven and Metadata-Governed Framework for Enterprise Data Migration; H. T. Türe ; M. D. M. Ahmed ; İ. Öztürk ; B. D. Yılmaz ; M. Göktürk	3216: Starting Position Bias in Multiplayer Games Through Reinforcement Learning B. Akbulut ; A. Tosun	3225: Construction Monitor: A Real-Time Web System for Building Detection and Floor-Count Estimation from Street-Level Video; G. Bektemysyova ; A. Keresih ; M. Ziyada ; A. Saparkhankyzy ; S. Nuralykyzy ; M. Uatbayev	3217: Açık Kaynaklı Büyük Dil Modellerinin Sıfır Örneklî Öğrenme Metodu ile Türkçe Text-to-SQL Görevine Uygulanması; E. Atlı ; F. Soygazi ; B. Ergenç Bostanoğlu	3044: Hybrid Consensus Methodology for Fog-Based Intrusion Detection Systems D. M. Doğru	2884: Analysis of Social and Personal Adaptation Processes in a Bilingual Speech Corpus;M.I.Q. Ruziyeva
15:10-15:30	3147: An uzbek labor law corpus and hybrid semantic retrieval model for source-grounded legal question answering;N.Umarova; S. Khamroyeva	3110: Fake News Detection in the Kazakh Language: A Review of Corpus Annotation,Multilingual Modeling, and Low-Resource Challenges; D.Telman ; A. Yerimbetova; E. Daiyrbayeva	3053: Machine Learning-Based Energy Consumption Forecasting and Load Type Classification in the Steel Industry; S.N.DEMİRTAŞ ; C.ÖZTÜRK ; N.B.ALBAYRAK	3346: LSTM-Based Suppression of Vegetation-Induced False Alarms in FMCW Radar Moving Target Detection; M.Güderf ; D.Temir ; A.Orduyılmaz	3276: GraphChebKANTransformer: A Mesh-Based Hierarchical Graph Neural Network Surrogate for Hemodynamic Field Prediction in Stenotic Bifurcation Geometries; Y. Genç ; E. K. Ata ; M. B. Değirmenci ; F. Ersoz	3264: From Robotics to Quality Intelligence: RoboClick, an Agentic Artificial Intelligence Framework for Autonomous Payment System Validation; M. Emektar ; F. M. Harmancı ; A. Aktolun ; B. Karadavut ; E. Arpacı	3272: Design and Implementation of a Gamified Virtual Reality Application for Construction Site Fire Safety Training S. Şahan ; M. Wolf ; D. Gerhard	3285: Reliability-Guided Tracklet Refinement for UAV Multi-Object Tracking E. Ercelebi	3260: Tıbbi Rapor Üretiminde Çapraz Dil ve Belirsizlik Farkındalıklı RAG AI Gateway Destekli Bir Kavram Kanıtı; Y. Bahadır ; K. Kaplan	3046: Automated Asset Modeling for Industrial Data Sources: From Cloud-Orchestrated OPC UA and S7 Browsing to AWS IoT SiteWise; V. U. Erçin ; F. Sivrikaya	2969: Development of an Uzbek Paraphrase Tool for Analyzing Literary Uzbek Travelogue and Film Discourse; Z.M.Khayatova
15:30-15:50	2948: Linguistic Status of the Subject in Uzbek Legal Discourse and Its Implications for Natural Language Processing; Xolida	3014: Acoustic and Emotional Annotation of a Web-Harvested Kazakh Speech Corpus for TTS; A. Yerbolatova ; L. Orynbay ; B. Yergesh ; A. Bessemabayeva	3057: Obtaining High-Energy XRD Spectra from Low-Energy Measurements via Curriculum Learning on Gold Nanocrystals;B.Serin ; E.N.Aksu ; H.Öztürk ; Y.S. Akgül	3353: A Model for Pilot Implementation of a Classification Framework for Controlled Generative AI Use in Engineering Education;A.Rashidov ; F.Rashidova	3279: Synergizing Original and Segmented Cell Morphology: A Dual-Stream DenseNet-ViT Architecture for ALL Diagnosis;B. Çakır ; M. A. İrmak ; F. Akdeniz ; B. Kır Savaş	3274: From Robotics to Quality Intelligence: RoboClick, an Agentic Artificial Intelligence Framework for Autonomous Payment System Validation; M. Emektar ; F. M. Harmancı ; A. Aktolun B. Karadavut ; E. Arpacı	3277: An Augmented Reality-Based Mobile Racing Game and Evaluation Framework for Middle School Physics Education; Y. Biberici ; B. Şenceylan ; M. K. Kuyucu ; B. Namdar ; İ. Delen ; T. Yüksel ; G. İnce	3293: MIRAGE: Multimodal Imagery Readers for Adaptive Geocontext Estimation E. Ozelbas ; A. C. Karaca	3208: An Evaluation Framework for Large Language Models in Named Entity Recognition: A Case Study on the Finance Domain; B. Sayim ; M. T. Yölcü ; E. Bilge Göl ; A. Taşkın ; M. S. Aktaş	3159: Prior-Guided Graph Fusion for Scalable Root-Cause Analysis in Microservice Systems Y. Bozkurt	3040: Orthographic Errors in the Uzbek Language: A Data-Driven Typology and , the Improvement of Spell Correction; N.L. Boltaimodova ; E.B. Boltayevich ; A.O. X'minovna ; N.X. Sharipovna ; A.R. Habibovich;N. G. Abdumanonovna
15:50-16:10	3141: Design and Development of an Uzbek Authorial Poetry Corpus Platform: Architecture, Annotation and Linguistic Search System; D. Makhmadiyeva	2892: Character N-Gram Features for Kazakh POS Tagging Under Strict OOV Evaluation; I. Akhmetov S. Aubakirov; A.Krassovitskiy	3068: CEG-TS: Auditable Financial Trend Prediction via Sparse Counterfactual Evidence Graphs;S.Apak ; P.Günes ; T.Ata	3371: Customer Segmentation and Behavior Prediction Platform on Real-World Corporate Banking Data; E.Çelikel	3282: SC2-GVAE: Learning Sparse Brain Graphs for Representation of Alzheimer's Disease with Supervised Capacity-Controlled Variational Autoencoder; C. Ozturk ; I.Talaz ; E. Demircioglu ; H. M. Ozcan ; F. T. Yarmhan Vural	3311: A Multimodal Deep Learning Approach to Forest Fire Early Detection Systems;Sıla Harman	3368: Next Basket Recommendation Using Attribute-Driven Hierarchical Multi Level Attention Networks; K. Küçük	3307: Deep Learning-Based Detection of Industrial Devices in Automation Panels A. Ç. Çekgin ; E. Ardali ; E. Çalışkan ; F. Soygazi	3234: A Multi-Stage LLM-Based Framework for Verifying Earthquake Information from Heterogeneous Web Sources; A. Turarbek ; D. Rakhimova ; E. Adali ; A. Nurgali	2878: Beyond the Trolley Problem: Dostoevsky's Crime and Punishment as a Framework for AI Ethics; G. Haydarova	3100: Automatic Linking of Uzbek Phraseological Units to English Equivalents in Parallel Corpora: A Variant-Aware Hybrid Framework; F.T.Erkin qizi ; K.L.Erkinovna ; M.A.Karamatovna ; K. N. Uktambay o'g'li
16:10-16:30	3124: Development of dialect-sensitive ASR models: Targeted fine-tuning and Intelligent post-editing for the kipchak dialect of Uzbek; H. Mullaboeva; O.Mullaboev	2978: Frequency Distribution and Classification of Figurative Language in Sharof Rashidov's Kashmir Qo'shig'li: A Corpus-Based Linguopoetic Analysis; U. G'aybulloyeva	3072: Comparative Analysis of LSTM and Convolutional Autoencoders for Root-Cause Localization in Multivariate Time-Series Anomalies;Ö.Bal ; K.Ayturan ; F.Hardalaç	3174: Turbofan Motorlarında Erken Bozulma Tespiti İçin Açıklanabilir Derin Anomali Tespiti Yaklaşımı; Doç.Dr. A.YILMAZ ; Ö.Çaylı	3284: Temporal and Robustness-Aware Evaluation of Tabular Foundation, Deep Tabular, and Tree-Based Models for Kidney Dysfunction Screening Using NHANES;	3169: Güvenli ve Otonom Çalışan Sözleşmesi İçeritimi İçin Blok zincir Tabanlı Akıllı Kontrat Sistemi; Hukuksal Teknolojiler ve Yapay Zekâ Perspektifi; Ö. Çaylı	3369: Risk-Aware Offline Contextual Bandits for Financial Asset Recommendation on FAR-Trans; M. Uluyağmur Öztürk ; T. Arslan	3319: From Satellite to UAV Imagery: Calibration and Collapse-Aware Triage for Trustworthy Post-Earthquake Building Damage Assessment; M. E. Soyhan ; K. Elgazar	3271: Factuality versus Hallucination: A Comparative Study of Retrieval and Reasoning Models in LLMs on Tatar Cultural Knowledge; A. Gimazov ; R. Gilmullin	3119: Evaluating the Impact of Splitter-Specific Preprocessing on Retrieval and Answer Quality in Turkish Legal RAG Systems L. Çaklı ; E. Y. Taşyürek ; S. İ. Omurca ; Ç. Yılmaz ; H. İnceoğlu ; F. İ. Tufan ; T. P. Damar ; E. Gerçekler	

Coffee Break

Bilgisayar Mühendisleri Odası Paneli

	Room 102	Room 104	Room 121	Room 122	Room 123	Room Z16	Room Z17	Room Z18	Room Z19	Room Z20	Room Z22	Room Z23
	3153: UzWordNet-Open: A Data Model and Access API for Uzbek Lexical-Semantic Resources; A.Axmédova Session 35 : NLP Assoc. Prof. Dr. K. S. Mirdjonovna	3181: Modeling the Hierarchical Structure of Uzbek Mining Terminology as an OWL/SKOS Ontology in Protégé; M.Sobirova ; M.Abjalova Session 36 : NLP Assoc. Prof. Dr. Kubedinova	3231: Development of a Contastive Uzbek-English Grammatical Database for NLP and Translation Applications;Khamroeva Shahlo Mirdjanovna;Jurakuziyev Nodirbek Imomkuziyevich;Qodirova Madinabonu; Soliyeva Xusnida Session 37 : LLM Dr. S. Yağmur	3146: Multi-Layer Fatigue Classification Using Chalder Fatigue Scale-Based Vocal Biomarkers, VGish Deep Representations, Prosodic Features, and Meta-Model Fusion; A.Alzatma ; Z.Cömert Session 38 : ML Prof. Dr. Ali Yazıcı	2935: SWOT Analysis of Cybersecurity Approaches for University Information Systems; R. Lefterov ; A. Rashidov Session 39 : CSEC Prof. Dr. C. F. Bazlamaççı	2939: Multimodal LLM-Based Classification of Educational Question Images: A Hierarchical Approach; A. H. Yıldız Session 40: LLM Prof. Dr. B. U Töreysin	2963: Recency-Aware Session Representations for Real-Time Purchase Propensity Prediction Y. E. Erdem ; D. Güzelçay ; A. A. Türkoğlu E. B. Giritli ; Y. S. Can ; M. S. Aktaş Session 41 : DM + REEL Assoc. prof. Dr. S. Baday	2871: Dialectometry and the Technology of Compiling a Choropleth Atlas in an Areal Corpus; M. Kholova Session 42 : DSCI Prof. Dr. U. Bayazit	3038: Manyetik Ray Tabanlı Taşıma ve Boyundantı Kavrama Mekanizması ile Esnek Sıvı Gıda Dolum Sistemi; H. Ergin H. Özkan Session 43 : ROBOT Dr. K. Özlem	2928: Magnitude Pruning as Implicit Regularization Across CNN and Transformer Architectures for SAR Flood Segmentation E. Akarsu Session 44 : SIGN+ NET Assoc. Prof. Dr. Y. H. Şahin	3227: A Linguistic Feature-Based Model and Algorithm for Assessing Author Writing Style in Uzbek Texts; A.Saidov ; M.Sharipov ; H.Adinaev ; R.Kurbonova Session 45 : NLP+Q&A Assoc. Prof. Dr. M. Turdalyuly	3289: Chierarchical Deep Learning for Carbonate Grain Classification in Thin-Section Images; M. Muradi ; A. Gallois ; A. Mutlu Session 46 : ML Assoc. Prof. Dr. M. Turdalyuly
09:00-09:20	3153: UzWordNet-Open: A Data Model and Access API for Uzbek Lexical-Semantic Resources; A. Axmedova	3181: Modeling the Hierarchical Structure of Uzbek Mining Terminology as an OWL/SKOS Ontology in Protégé; M.Sobirova ; M.Abjalova	3231: Development of a Contastive Uzbek-English Grammatical Database for NLP and Translation Applications;Khamroeva Shahlo Mirdjanovna;Jurakuziyev Nodirbek Imomkuziyevich;Qodirova Madinabonu; Soliyeva Xusnida	3146: Multi-Layer Fatigue Classification Using Chalder Fatigue Scale-Based Vocal Biomarkers, VGish Deep Representations, Prosodic Features, and Meta-Model Fusion; A.Alzatma ; Z.Cömert	2935: SWOT Analysis of Cybersecurity Approaches for University Information Systems; R. Lefterov ; A. Rashidov	2939: Multimodal LLM-Based Classification of Educational Question Images: A Hierarchical Approach; A. H. Yıldız	2963: Recency-Aware Session Representations for Real-Time Purchase Propensity Prediction Y. E. Erdem ; D. Güzelçay ; A. A. Türkoğlu E. B. Giritli ; Y. S. Can ; M. S. Aktaş	2871: Dialectometry and the Technology of Compiling a Choropleth Atlas in an Areal Corpus; M. Kholova	3038: Manyetik Ray Tabanlı Taşıma ve Boyundantı Kavrama Mekanizması ile Esnek Sıvı Gıda Dolum Sistemi; H. Ergin H. Özkan	2928: Magnitude Pruning as Implicit Regularization Across CNN and Transformer Architectures for SAR Flood Segmentation E. Akarsu	3227: A Linguistic Feature-Based Model and Algorithm for Assessing Author Writing Style in Uzbek Texts; A.Saidov ; M.Sharipov ; H.Adinaev ; R.Kurbonova	3289: Chierarchical Deep Learning for Carbonate Grain Classification in Thin-Section Images; M. Muradi ; A. Gallois ; A. Mutlu
09:20-09:40	3155: A Synset-Centered Data Model for Uzbek WordNet Construction; A. Axmedova	2977: Frequency Distribution and Thematic Mapping of Gastronomic Lexemes in Uzbek Folk Proverbs: A Corpus-Based Statistical Analysis; F.Raxmatillovaya	2587: Learning Rate Sensitivity of Multilingual Transformer Based Large Language Models in Turkish Binary Classification; Selma Alav ; Bihter Daş ; Kristin Surpuhi Benli	3149: Cross-Region Comparison of CNN, Transformer, and Foundation Models for Building Footprint Extraction from High -Resolution Aerial Imagery: A Case Study in Türkiye;D.Sarıkaya ; E.Dükkancı ; S.Oğuztımur	2971: An Inventory-Aware, Local-LLM RAG-Assisted Triage and Decision-Support System for Cybersecurity Vulnerability Management; K. Gencer ; E. A. Akan	2980: Multimodal LLM-Based Classification of Educational Qestion Images: A Hierarchical Approach; B. Sayın ; M. T. Yolcu ; E. B. Göl ; A. Taşkın ; M. S. Aktaş	3013: Robust CLIP-Based Image-Only Retrieval Using Test-Time Adaptation and Query Expansion for Fashion Domain; Z. Demirtas ; E. Zorapacı	3006: Position over Frequency: Lightweight Session Embeddings for Funnel Anomaly Detection in E-Commerce Clickstreams S. Sarak ; B. Akman ; D. Güzelçay ; A. A. Türkoğlu ; E. B. Giritli ; Y. S. Can ; M. S. Aktaş	3088: Deep Reinforcement Learning for Intelligent Control of Planar Manipulators: A Cross-DOF Comparison with Inverse Kinematics; H. Al-Omari ; M. A. Yaghi	3020: Automatic Word Stress Prediction in Uzbek: A Corpus-Based Acoustic Study; G. Makhmudjonova	3229: Integrating Knowledge Graph Embeddings with Transformer Models for Scientific Document Classification; M.Turdalyuly ; A.Tursynkhan ; A.Yerimbetova ; B.Akmetov ; B.Sakenov	3294: Synthetic Data Generation in DAS Systems; R. C. Şahin ; Y. Genç
09:40-10:00	3156: Automatic Quality Control of Uzbek WordNet Synsets Using Rule-Based and Graph-Based Diagnostics; A. Axmedova	2921: Computational Analysis of the Mother Archetype in Contemporary Russian and Uzbek Women\'s Prose Using Natural Language Processing Techniques; D.Murodova	2622: Methodological Approaches to the Semantic Description of Explanatory Lexemes within Religious Text Corpora; Manzura Abjalova ; Fayiza Tursunboyeva ; Aminova Nafisa Istamovna; Yulduz Shodmonaliyeva	3168: Yapay Zekâ Destekli Sınıf Planlama Talep Tahmini ve Kısıt Tabanlı Çok Amaçlı Optimizasyon Yaklaşımı;O.Çaylı	2982: Secure Cloud-Focused Access Control Architecture Using Icmp Single-Packet Authorization And Tunneling; B. Yıldız ; A. Bostan	3017: Reference-Free Word-Level Quality Estimation for Vision-Language Optical Character Recognition; H. Bozkurt ;M. A. Taysi ; R. E. Yılmaz ; A. I. Özmen ; G. Ince	3195: Quota Definition System: A Decision Support System for Higher , Education Admission Quota Prediction Using Machine Learning E. Ekin ; D. Zistoğlu ; N. Aslan ; Y. Mermer	3055: OBAN-PHGC: A Prediction-Invariant Persistent-Homology and Geometric Characterization System for Stable Hidden-Subtype Discovery and Row-Level Structural Analysis in Tabular Classification V. Oban	3108: Müfredat Öğrenme ile Tarımsal Mobil Robot Navigasyonunda Pekıştirmeli Öğrenme Algoritmalarının Genelleme Performansının Karşılaştırılması; F. N. Ortataş ; B. Turan	3203: Çok Yollu Optik Kanallarda Görünür Işık Haberleşmesi için CSK Tabanlı Flip-OTFS T. Kepezkaya ; A. Yazar	3239: Cross-Lingual Equivalence and Translation Asymmetries in Parallel Corpora: A Computational Analys N.Abdurakhmonova;M.Eshmamatova	3318: Comparative Evaluation of LSTM and Transformer-Based Deep Learning Architectures for Satellite Telemetry Anomaly Detection; H. S. Çetinkaya ; E. Güçlü ; A. Çalhan ; K. Öztel
10:00-10:20	3164: Statistical Analysis of Linguistic Features in Uzbek Autobiographical Discourse:A Case Study Based on an Autobiographical Discourse Corpus; Y. Azimova ; S. K. Mirdjanovna	3341: A Phonemically Balanced Uzbek Sentence Corpus for LLM-Based Speech Models;G.Makhmudjonova	2660 : Automatically Determine Semantic Relations in the Uzbek Language Using machine Learning; Umirova Svetlana; Alisher Gafforov;Islamova Dinara; Kholmuhamedov Bakhtiyor;Yusupova Orziboni;Narziyeva Mamura	3179: Horizon-Dependent Performance of Tree-Based Machine Learning Models for Short-Term Solar PV Forecasting; N. Dinçer O ; N.N. Aydemir ; I. Genç ; H.Gökçek ; S.N.Sarıbaş ; K.N.Şahin	3032: Beyond the Quantum Horizon: A Theoretical Comparison of Softfork-Free and Protocol-Level Quantum-Safe Bitcoin Transactions; O. B. Uzel ; İ. S. Yardımcı	3027: Regex Sinyalinin LLM Tabanlı Gizli Veri Tespitinde Yanlış Pozitif ve Yanlış Negatif Dengesi Üzerine Etkisi; E. K. Yıldız ; M. E. Dalkılıç	3034: A Data-Driven Computational Framework for Intelligent Interior Space Optimization in Smart Environments H. J. Abukarkı	3076: Soğuk Başlangıç Ürün Önerisinde Üstveri ve Yorum Metinlerinin Karşılaştırmalı Etkisi: O. Bursa	3152: Mesh-Based Indoor Exploration Method for UAVs; F. N. Bağbozan ; B. N. Akyıldırım ; S. Seçil ; M. Özkan	3254: Görünür Işık Haberleşmesi için CSK Tabanlı DCO-OTFS; T. D. Kepezkaya ; A. Yazar	3259: Processing and Normalization of Uzbek Texts; S. Nazira Ganjon kızı	3324: ENSO-Informed Hydroelectric Discharge Forecasting with Gradient Boosting and Temporal Fusion Transformer; R. B. Hacimustafaoğlu
10:20-10:40	3210: Hybrid Transformer and Linguistic Knowledge-Based Morphological Analysis for Uzbek Texts; A. Saidov ; M. Sharipov ; M. Abjalova ; O. Sobirov	3211: Semron-Based Prototype of the Semiotic Generative Recognition Model for the Tatar Language;R.Gilmullin ; D.Suleymanov ; A.Gilmullin	2658: Performance Analysis of Text Chunking Methods for LLM-Based Document Summarization; Salih Dündar ; Öykü Şahin ; Mehmet Ali Özer	3196: A Comparative Analysis of Machine Learning Models for Leak Detection in Water Distribution Networks that Uses LeakDB Benchmark Dataset;E.Açar	3131: Cybersecurity in Optical Networks: A Review of Threats, Defense Strategies, and Research Gaps; R. Ahmadpour	3047: Türkiye Makroekonomik Zaman Serileri Üzerinde RAG Mimarilerinin Karşılaştırmalı Değerlendirmesi; M. G. Çoban , B. E. Şahin ; M. Kurt Pehlivanoglu ; M. R. Ince	3151: Deepfake Detection via Tri-Stream Fusion of Vision Transformer, Audio Spectrogram Transformer and Spectral Analysis; E. Yavuz ; A. Bilgili	3086: Privacy-Preserving Federated Stock Price Prediction on BIST Data Using a FedStack Hybrid LSTM-MLP Model A. B. Şensoz ; K. Erdayandı	3226: Social Interaction Metrics for Dyadic Motor Coordination: Collaborative vs. Cooperative Digital Balancing Task N. Başak ; G. N. Yılmaz ; K. B. Arikan ; J. J. Cabibihan	3212: Timing Predictability-Enhanced Hybrid CPU–GPU Doppler Processing on NVIDIA Jetson AGX Orin Using Real Radar Data; M. Şehzade ; T. Ovatman	2988: Agentic Hybrid Retrieval for Multi-Tenant Retrieval-Augmented Generation: A Turkish-Language Enterprise Document Question-Answering System; Ü. Yılmaz ; O. Y. Önalın ; A. Alsac ; F. Ö. Koçoğlu	3361: Hybrid Optimizer for EEG Seizure Prediction: A Leakage-Controlled Methodology and Synthetic Proof-of-Concept; F. Abuhashish ; M. Atoum ; İ. İsmail
10:40-11:00	3197: Sentiment Analysis of Uzbek Social Media Posts: Methods, Resources, and Comparative Evaluation; M. Suyunova Odil qizi	3191 :RNN as an element of cognitive architecture of subject's behavior in digital environment;N.Prokopyev ; E.Soldatenkova ; P.Ustin ; F.Gafarov	2788: Transitioning from AMR to UMR in Turkish: A Semantic Representation Perspective; Dilara Torunoglu Selamet; Necibe Gardashova; Furkan Unutan; Gülşen Eryiğit	3204: Constraint-Aware 3D Replanning for MALE UAVs under Dynamic Operational Constraints with Learned Candidate Ranking;G.Akçığöz ; U.S.Yavuz ; Ş.Ertekin	3157: A CostFreshness Model for Android Hardware-Backed Attestation in Zero Trust API Access;K. Karadağ ; O. Demir	3048: Türkiye Eğitim Mevzuatı Belgelerinde RAG Optimizasyonu: Embedding Model ve Chunk Stratejisi Karşılaştırması; B. E. Şahin M. G. Çoban ; M.Kurt Pehlivanoglu	3270: Dual-Backbone ConvNext-Swin Skin Type Classification Architecture; A. A. İsen ; D. Küpeli ; A. Bilgili	3250: Privacy-Preserving Multi-Sector Stock Prediction via a Federated Dual-Head MLP-Transformer-LSTM Pipeline with Proximal Regularization; E. Eren ; K. Erdayandı		3095 : SG-TSN Hibrit Ağlarda Merkesi Denetleyici Tabanlı Gecikme Dengeleme E. Yüksel ; S. Cevher ; D. Ergenç	3330: Adaptive Semantic Retrieval for Multilingual Legal Question Answering in Turkic Languages Using Large Language Models; D. Rakhimova ; M. Mansurova ; E. Adalı	3363: ChillMate: Real-Time Wrist-Based Stress Detection with Motion-Aware Personalization on Apple Watch; E. Bilgisu ; S. Çevik ; C. Abay ; E. Küpçü
11:00-11:20	Coffee Break											
11:20-11:35	ArGe Presentation Chair: Prof. Dr. Banu Diri Room : 104		ArGe Presentation Chair: Prof. Dr. Nevcihan Duru Room : 123									
11:35-11:50												
11:50-12:05												
12:05-13:00												
13:00-14:30	Panel		Ahu Tanırkulu (Candide Öztürk, ABC : Günlük Yaşam – Üretken Yapay Zeka - Generative AI & Daily Life									
	Room 102	Room 104	Room 121	Room 122	Room 123	Room Z16	Room Z17	Room Z18	Room Z19	Room Z20	Room Z22	
	3153: UzWordNet-Open: A Data Model and Access API for Uzbek Lexical-Semantic Resources; A.Axmédova Session 47 : NLP Prof. Dr. S. Sarriel	3181: Modeling the Hierarchical Structure of Uzbek Mining Terminology as an OWL/SKOS Ontology in Protégé; M.Sobirova ; M.Abjalova Session 48 : NLP Assoc. Prof. Dr. M. Turdalyuly	3231: Development of a Contastive Uzbek-English Grammatical Database for NLP and Translation Applications;Khamroeva Shahlo Mirdjanovna;Jurakuziyev Nodirbek Imomkuziyevich;Qodirova Madinabonu; Soliyeva Xusnida Session 49 : LLM Assoc. Prof. Dr. T. Batura	3146: Multi-Layer Fatigue Classification Using Chalder Fatigue Scale-Based Vocal Biomarkers, VGish Deep Representations, Prosodic Features, and Meta-Model Fusion; A.Alzatma ; Z.Cömert Session 50 : ML Assoc. Prof. Dr. G. Seçinti	2935: SWOT Analysis of Cybersecurity Approaches for University Information Systems; R. Lefterov ; A. Rashidov Session 51 : ML Dr. U. Vural	2939: Multimodal LLM-Based Classification of Educational Question Images: A Hierarchical Approach; A. H. Yıldız Session 52 : LLM Prof. Dr. B. U Töreysin	2963: Recency-Aware Session Representations for Real-Time Purchase Propensity Prediction Y. E. Erdem ; D. Güzelçay ; A. A. Türkoğlu E. B. Giritli ; Y. S. Can ; M. S. Aktaş Session 53 : IR Prof. Dr. A. Yerimbetova	2871: Dialectometry and the Technology of Compiling a Choropleth Atlas in an Areal Corpus; M. Kholova Session 54 : DSCI + CSEC Prof. Dr. B. Diri	3038: Manyetik Ray Tabanlı Taşıma ve Boyundantı Kavrama Mekanizması ile Esnek Sıvı Gıda Dolum Sistemi; H. Ergin H. Özkan Session 55 : EMB Prof. Dr. B. Üstündağ	2928: Magnitude Pruning as Implicit Regularization Across CNN and Transformer Architectures for SAR Flood Segmentation E. Akarsu Session 56 : HCI Assoc. Prof. Dr. G. İnce	3227: A Linguistic Feature-Based Model and Algorithm for Assessing Author Writing Style in Uzbek Texts; A.Saidov ; M.Sharipov ; H.Adinaev ; R.Kurbonova Session 57 : NLP Assoc. Prof. Dr. A. Gatiatullin	
14:30-14:50	3280: Morphological Disambiguation in Turkic Languages Based on an Uzbek Homonym Resource; B. E. Boltayevich, S. M. Oripovna, M. K. Maxmutovna, B. Islomova, I. Axmatova	3339: Development of Kazakh stemming algorithm for natural language processing;Z.Azhibekova ; N.Torebay ; M.Amirov ; S.Karshaubekova ; Z.Kemelbekova ; B.Tastanbekova	3348: Script-Robust Named Entity Recognition for Uzbek: Evaluation on Latin, Cyrillic and Mixed-Script Texts; A.R.Sayfulloevich ; N.K. Uktambay o'g'li	3078: Spatially-Aware Self-Organizing Graph Autoencoders via Localized Hebbian Learning;R.Kog ; H.M.Özcan ; F.T.Y.Vural	3117: Warm Started Actor Critic Based Wrapper Feature Selection to Enhance XGBoost Classification Performance; S.S.Boran ; E.A.Zaimoğlu	3278: Hukuk Metinlerinde Soru Cevaplama için Vektör ve Graf Tabanlı RAG Mimarilerinin Karşılaştırmalı Bir Çalışması; İ. Çakıl ; E. Y. Taşyürek ; S. İlhan Omurca ; Ç. Yılmaz ; H. İnceoğlu ; F. İ. Tufan ; T. P. Damar ; E. Gerçekler	2900: Sürüm Çatışmalı Türkçe Düzenleyici Belgelerde Bilgi Getirimi Destekli Üretim Güvenilirliği; H. Yeşilyayla	3252 : A Leakage-Aware Temporal Validation Framework for Non-Stationary Regression on SCADA Wind Power Curves; E. Ezin ; T. İnağ ; Y. İnağ	2979: Gerçek Zamanlı Linux Çekirdeğinde Pipe ve POSIX Mesaj Kuyruklarının I/O Yükü Altında Performans Analizi; B.Yildizer ; F. Yılmaz	3090: AI-Assisted Translation of Culture-Specific Units: Challenges of Equivalence, Context and Responsibility; D. Bakhranova ; E. Adalı ; S. Shabanova	3364: Hasta Tarafından Yazılan Semptomlardan Transformer Tabanlı Özbek Klinik Metin Sınıflandırması ile Güvenli Top-k Doktor Yönlendirmesi; B. E. Boltayevich; R.A. Habibovich ; Z.X.Yuldashevna ; J.R.Toshpo'lot kızı	
14:50-15:10	3342: Data-Centric Bitext Cleaning for Uzbek-English: Hybrid Quality Estimation and Noise Filtering for Low-Resource Parallel Corpora;Ma'rufjon A. B.E.Boltayevich	3340: The ccomp/xcomp Boundary in Turkish Universal Dependencies: Evidence from Parallel Annotation and Low-Resource Perspectives;M.Ryspakova; A.KASIEVA, G.Dzhumaliyeva,A.Tursunova ;T.Marazykov	3349:Syntactic level of language description in the linguistic portal “Turkic morpheme” with integration of Universal Dependencies;Ayrat Gatiatullin ; N.Prokopyev ; L.Kubedinova ; R.Sagdeeva	3082: Digital twin-assisted deep learning framework for crop yield prediction under climate variability.H.Gasimov	3120: Mars Hiperspektral Görüntülerinin Az Etiketli Sınıflandırılması İçin Ön-Eğitilmiş Spektral Mamba;S.Yalçın ; G.Bilgin	3292: HaRP-ViT: Hadamard Rotation for Low-Bit Vision Transformer Post-Training Quantization; M. İ. Aksu ; F. Ş. Torun	2906: Robustness of Turkish Dense Retrievers to Synthetic OCR Noise S. Fidan ;U. Çetin	3344 : Confound-Aware Inference and Explainable Prediction in a Political Attitude Experiment; G. Filiz ; E. T. Demircioğlu ; E. Gormüş ; H. Tasa ; Y. Drias ; T. Çakar	3026: Gömülü Kamera Modüllerinin Düşük Işık Koşullarındaki Görüntüleme Performanslarının Karşılaştırılması U. Kurt ; E. Üstün ; O. Urhan	3237: AI-Assisted Translation of Security-Related Discourse; Linguistic, Cultural and Pragmatic Challenges; D. Bakhranova ; M. Abjalova ; U. Djallilova ; K. Davlatov	3365: Structural Divergences in Sentence Alignment of Uzbek–Turkish Parallel Texts: A Linguistic Analysis and Classification;J.Kolmonova	
15:10-15:30	3312:Building an Open Multi-Author Uzbek Literary Corpus for Large Language Model Adaptation and Literary Education; S. Khamroeva	3143: Developing a Named Entity Recognition Model Using the BiLSTM-CRF Network; B. Aziza	3350: Extracting hyponym–hypernym pairs from the Tatar corpus “Tugan tel” using Hearst Patterns: a comparison of surface and morphologically informed approaches; A. Mindubaev ; A.Gatiatullin N. Prokopyev	3109: Kalbimiz Bileğimizde Atıyor: Tek Derivasyonlu EKG ile Miyokard Enfarktüsü Tespiti;B.Bilgin ; N.Duru ; İ.Yılmaz	3128:PR-KD: Training Prune-Ready Transformers with Knowledge Distillation and BatchNorm Sparsity; E.arakan ; H.Y.Keleş	3296: Reasoning in Turkish: Inference Strategies and The Role of Language in Mathematical Reasoning with Large Language Models; E. B. Sarac ; C. Güzel Turhan ; Ü. Atilla	2941: Simple, Fresh, and Fair: Revisiting Linear Collaborative Filtering for Large-Scale Job Recommendation; K. K. Uyar ; K. Acar	3218 : Post-Quantum Security: A Performance Comparison of Classical and Quantum-Resistant JWT Signature Algorithms in a Spring Boot Monolithic Architecture; Y. K. Özetti ; O. Demir	3070: Embedded LSTM Based Global Navigation Satellite System Spoofing Detection Using Satellite-Level Receiver Measurements; C. Zalluhoğlu ; İ. E. Canpinar	3334: Responsible AI and Human-Computer Interaction in Multilingual Concept Processing of Water in Uzbek, Spanish, and Turkish; D. Bakhranova ; E. Adalı	3366: SCIMDIX-EL: A Dataset for Scientific Entity Linking in Kazakh and Russian ;T.Batura ; N.Mukazhanov ; B.Sakenov ; N.Shvarts ; M.Turdalyuly ; A.Yerimbetova	
15:30-15:50	3323: AI-Driven Semantic Analysis of Arboreal Imagery in Uzbek Literary Texts: A Computational Approach; G. Rustamova ; D. Uraeva ; A. Nilufar ; J. Zilola ; D. Mehrangiz	3220: A Linguistically Grounded Sense Inventory for Uzbek Polysemous Words; B. Norbekova	3360: Functional-Semantic, Cognitive, and National-Cultural Representation of the Lexicon Denoting Human Psychological States, and Its Computational-LinguisticModeling; Z. M.Khayatova	3109: A Machine Learning Framework for Predictive Modeling of Construction Project Duration Using Data-Driven Intelligent Methods;A.A. Alkhawaldeh ; Y.B. Aburizq	3129: Power Forecasting in Floating Photovoltaic Systems: A Comparative Analysis of Classical Machine Learning and Quantum Machine Learning Approaches Over the Balikesir Region; S.Genç; H.Şahin	3359: From Code to Clinic: Continuous Quality Assurance in Hospital Information System Modernization — An Industrial Case Study; F. M. Harmancı ; M. Emektar; A. Cambaz ; İ. Kurtulmuşlar ; B. Kaya ; Ö. Ertop	3092: Systematic Comparison of Chunking Strategies on the Turkish Language; T. Karakadoğlu ; E. Bozyel ; N. K. Yılmaz ; Ç. Yeşil	3267 : An Attack-Aware and Adversarially Robust Privacy-Preserving CTI Framework for Federated Threat Intelligence Collaboration; E. Çamalan ; B. Çeliktaş	3201: Congestion-Aware Adaptive Resource Partitioning Algorithm for SMT Processors İ. Karahamutoglu ; G. Özcan ; B. Selçuk ; G. Küçük	3275: Jürysane: A Generative-AI Courtroom Simulation for Experiential Legal Education in Turkish Criminal Procedure; D. Işık ; M. T. Bozan ; E. Ç. Memiş ; T. Çakar	3367:A Transformer-Based Grapheme-to-Phoneme Model for Uzbek: A Resource Approach Using NVIDIA NeMo;S.Abdisalomova	
15:50-16:10	3329: The Annotation of Multivord Predicates in Kyrgyz Universal Dependencies; A. Kasieva ; A. Kadyrbekova ; R. Abylai ; G. Dzhumaliyeva ; A. Akynbekova	3262: A Linguistically Grounded Sense Inventory for Uzbek Polysemous Words;V.Barchinov	3362: Building a Knowledge Graph from Named Entities Extracted from Uzbek Texts;M.Samatboyeva	3112: Cell Segmentation by Adaptive Decision Fusion in Time-Lapse Microscopy Image Sequences; Y.ATA ; B.U.Töreysin ; M.Mearri ; D.Ünay ; B.Mayalı ; O.Vural	3130 : Comparative Analysis of Classical Machine Learning and Quantum Machine Learning on the NASA C-MAPSS Turbofan Engine Dataset: A Comprehensive Experimental Evaluation Focused on Fault Detection (FD001–FD004); S.Genç ; Ş.G.Çeliksızan		3160: Content-Aware Re-Ranking of Job Recommendations with Gradient-Boosted Trees; K. K. Uyar ; F. Ö. Özcan	3302 : Knowing When to Abstain: Calibration and Selective Prediction for Machine-Learning Network Intrusion Detection E. Bektaş	3355: Quantifying ARP-Induced UDP Loss Boundaries in an AUTOSAR Ethernet Stack İ. Karazor	3335: İstanbul için Deprem Sonrası İlk 72 Saatte Enkaz Altında Kalan Kişilerin Tespiti ve Önceliklendirme Sistemi; P. Kaygusuzer ; Y. Taş ; Ş. Oruç ; K. Orçanlı	3376: Identifying Religious Text Types: Using the BERT Model for Incorporating Hadiths into Natural Language Processing;Manzura Abjalova ; F. Tursunboyeva ; N. Musulmanova	
16:10-16:40	Coffee Break											
16:40-18:00	Awards Presentation CLOSING / Ödüllerin verilmesi KAPANIŞ											

IEEE-UBMK-2025 International Conference on Computer Sciences and Engineering (General Information)

18 Sept. 2025		19 Sept. 2025			
Konferans Salonu		Konferans Salonu			
09:00-11:00	I. ArGe Merkezleri Yöneticileri Toplantısı Yöneticiler: Prof. Dr. İbrahim Soğukpınar Mustafa İşbilen, Serkan Ayverdi	09:00-11:00	II. ArGe Merkezleri Yöneticileri Toplantısı Yöneticiler: Prof. Dr. İbrahim Soğukpınar Mustafa İşbilen, Serkan Ayverdi		
18 Sept. 2025		19 Sept. 2025		18 Sept. 2025	
Konferans Salonu		Konferans Salonu		Room Z23	
14:30-16:30	I. Bölüm Başkanları toplantısı Prof. Dr. Eşref Adalı Prof. Dr. İbrahim Soğukpınar	14:30-16:30	II. Bölüm Başkanları toplantısı Prof. Dr. Eşref Adalı Prof. Dr. İbrahim Soğukpınar	13:00-16:30	IEEE Blockchain Workshop <i>Dr. Bora Buğra Sezer, Dr Bora Aslan, Dr. Güven Fidan, Dr. Ahmet Soran, Prof. Dr. Alptekin Küpçü, Prof. Xiao Wu (Ling)</i>
				16:10-16:30	Coffe Break
				16:30-18:30	IEEE Blockchain Workshop <i>Dr. Bora Buğra Sezer, Dr Bora Aslan, Dr. Güven Fidan, Dr. Ahmet Soran, Prof. Dr. Alptekin Küpçü, Prof. Xiao Wu (Ling)</i>

Kısaltmalar / Abbreviations

AI	Artificial Intelligent
BIG	Big Data and Analytics
BIO	Biomedical and Health Information
BLK	Blockchain
CLD	Cloud Computing
Csec	Csec Computer and Data Security
NET	Computer Networks
COV	Computer Vision and Pattern Recognition
CRYP	Cryptology, Security and Privacy
DM:	Data Mining
DSC	Data Science
EMB	Embedded Systems
HUM	Human Computing Interaction
HIGH	High Performance Computing
IR	Information Retrieval
IoT	Internet of Things
IT	Information Retrieval
ML	Machine Learning
NLP	Natural Language Processing
Q&A	Question and Answering Systems
ROB	Robotics and Automation
SGN	Signal Processing
SW	Software Engineering