

eSmarTA-2026 Program – First Day

First Day: Tuesday 4 th August, 2026						
08:00 – 08:50	Registration and Reception					
08:50 – 08:55	Quran Kareem					
08:55 – 09:00	National Anthem					
09:00 – 09:10	Talk of eSmarTA2026 Honorary Chair and Thamar University President, Prof. Dr. Mohammed Al-Haifi					
09:10 – 09:20	Talk of Yemen Research, Dr. Redhwan Shaddad					
09:20 – 09:30	Talk of eSmarTA-2026 General Chair, Dr. Qais Al-Nuzaili					
09:30 – 09:40	Talk of Ministry of Education and Scientific Research					
09:40 – 09:50	Talk of Ministry of Communications and Information Technology					
09:50 - 10:00	Talk of Thamar Governorate					
10:00 – 10:40	Keynote speech entitled " <i>From Edge to Intelligence: Navigating the Next Frontier of AIoT and Smart Ecosystems</i> " by Prof. Dr. Sharaf Abdulhak Alhmody, Sana'a University, Yemen.					
10:40– 11:20	Keynote speech entitled " <i>Deep Learning and AI Approaches in Satellite Image Interpretation</i> " by Prof. Dr. Amany Sarhhan, Elsewedy University of Technology, Egypt.					
11:20– 12:00	Keynote speech entitled " <i>Emerging Technologies of AI for Smart Transformation</i> " by Assoc. Prof. Dr. Omar Cheikhrouhou, University of Sfax, Tunisia.					
12:00 – 14:00	Parallel Sessions					
	Main Hall	Hall (1)	Hall (2)	Hall (3)	Hall (4)	Hall (5)
	8	8	8	8	8	8

Session I

Tuesday: August 4th, 2026 (12:30 – 14:30), Location: Palestine Hall

Time	Paper ID	ONSITE Chaired by	Prof. Dr. Khalil Al-Wagih Prof. Dr. Abduh Mansar,
		ONLINE Chaired by	Dr. Radhwan A.A. Saleh Assoc. Prof. Dr. Murad Rassam
12:00– 12:15	54 ONSITE	Effective Mining Approach of Incremental Maximal Frequent Itemset Using Closed Candidates. <i>Mohammed Al-Zeiadi, Basheer Al-Maqaleh and Fatima Al-Kibsi</i>	
12:15– 12:30	17	An Integrated Semi-Supervised Framework for Low-Resource Language ASR: Acoustic Enhancement, LoRA Fine-Tuning, and Hybrid Post-Processing for Amazigh Variants <i>Youness Chaabi and Mohamed Oubenal</i>	
12:30– 12:45	25	PPE Detection in Yemeni Construction Sites: YOLOv11m vs. RF-DETRs <i>Ezzaldeen Al-Tayar, Saleem Al-Azazi, Mogeab Saeed, Abdullateef Ali and ..et al</i>	
12:45– 13:00	57	Data-Centric Evaluation of Arabic Abstractive Summarization Using a Large-Scale Curated News Corpus <i>Marwah Yahya Al-Nahari, Ayedh Abdulaziz Mohsen, Nada Abdu Al-Humidi and . et al</i>	
13:00– 13:15	62	IoT and AI-Based Decision Support System for HIV: Integrated Risk Assessment, Monitoring, and Treatment Optimization <i>Anuji Thrimanna, Deesara Rupasinghe, Vihara Diwyanjalee, . et al</i>	
13:15 – 13:30	64	AI-Powered Sinhala Sign Language Assistive Technology Platform for Deaf and Mute Children <i>Shanuka Amantha, Chathuka Dilakshana, Dulmi Witharana and Erandi Withanage</i>	
13:30– 13:45	66	An Ethical and Emotionally Intelligent Social Media Plugin Using Responsible & Explainable AI <i>N. S. Wickremasinghe, U. P. L. I. Ullandupitiya, D. S. Jayawardena, .et al</i>	
13:45– 14:00	90	Zero-Shot Cross-Lingual Transfer for Hate Speech Detection Using Multilingual Models <i>Ghadeer Al-Badani, Muneer Alsurori and Akram Alsubari</i>	

Session II

Tuesday: August 4th, 2026 (12:30 – 14:30), Location: Room (A)

Time	Paper ID	ONSITE Chaired by	Prof. Dr. Muneer Almekhlafi Assoc. Prof. Dr. Abdullah Khalil
		ONLINE Chaired by	Dr. Mustafa Ghaleb Dr. Abduh Saif
12:00– 12:15	212 ONSITE	<i>A Leakage-Controlled Multi-Task Multi-Modal Framework for Respiratory Disease Diagnosis Using the ICBHI Dataset</i> <i>Shaima M. Jabali and Farhan Nashwan</i>	
12:15– 12:30	225 ONSITE	<i>CAPRI: A Causally-Inspired Iterative Dynamic Pricing Framework for E-Commerce Revenue Optimization</i> <i>Maged Sarhan Hasan, Ibrahim Abdulmalik Hassaan, .et al</i>	
12:30– 12:45	247	<i>The Rigidity Paradox: Decoupled Drift and Attribution in Cross-Domain Clinical ML Monitoring</i> <i>Abdulbari M. A. Alameer and Nityananda Sarma</i>	
12:45– 13:00	266	<i>Hybrid Machine Learning for Modeling Peatland Carbon Uptake from Nonlinear Eco-Hydrological Drivers</i> <i>Saeed Hamood Ahmed, G Sekhar Reddy, Flo Renou-Wilson, Ken Byrne, .et al</i>	
13:00– 13:15	278	<i>Knowledge Graph-Based AI Framework for Predicting Nutritional and Health Impacts of Food Ingredients</i> <i>Sakuni Dakshina, Rashmika Rupasinghe, Nithil Waduge, Tehan Nimsitha, .et al</i>	
13:15 – 13:30	9	<i>Synthetic Versus Real-World Traffic: An Empirical Evaluation of Machine Learning–Based DDoS Detection</i> <i>Abdulqudos Alnahari, Noor Azurati Ahmad and Essa Hizzam</i>	
13:30– 13:45	13	<i>Behavioral Memory-Artifact Deep Learning for Ransomware Detection with Confidence-Aware Automated Response</i> <i>Abdullah Sharaf, Saleem Al-Azazi and Mogeeb Saeed</i>	
13:45– 14:00	38	<i>Predicting WordPress Security Levels from Malware and Vulnerability Signals: An Ordinal-Hierarchical Machine Learning Approach with XAI</i> <i>Md. Kausaruzzaman, Kbm Tahmiduzzaman, Md Mynul Islam, Abdul Hady Akash, .et al</i>	

Session III

Tuesday: August 4th, 2026 (12:30 – 14:30), Location: Room (B)

Time	Paper ID	ONSITE Chaired by	Assoc. Prof. Dr. Abdulrahman Muthana Assoc. Prof. Dr. Amin Al-Solel
		ONLINE Chaired by	Dr. Mosab Hamdan Dr. Humam Abualkebash
12:00– 12:15	252 ONSITE	<i>Beyond Lexical Overlap: A Multi-Dimensional Evaluation Framework for Arabic Retrieval- Augmented Generation Systems</i> <i>Ahmed Al-Ansi and Khalil Al-Wagih</i>	
12:15– 12:30	30 ONSITE	<i>A Progressive Machine Learning Framework for Intrusion Prevention in Controller Area Networks: Multi-Scenario Evaluation for Secure Automotive Systems</i> <i>Younis A.M.Nasser Al-Shogaa, Redhwan M. A. Saad and Khaled Abdullah Al Soufy</i>	
12:30– 12:45	56 ONSITE	<i>High-Throughput Hybrid AES–ECC Cryptosystem on Commodity CPU–GPU Hardware</i> <i>Mohammed Algafari and Muneer Almekhlafi</i>	
12:45– 13:00	267	<i>SMART-Rain: iTransformer for Climate-Aware Multivariate Rainfall Forecasting</i> <i>Saeed Hamood Ahmed, Rohit Sahu, Halah Hassen Aldumaini, Hatem Al-Dois, .et al</i>	
13:00– 13:15	129	<i>A Systematic Review of Artificial Intelligence Techniques for Evidence Analysis and Automation in Forensic Computing</i> <i>Mohammed Alsamman, Siti Nurhaninah Binti Tajul Ariffin, .et al</i>	
13:15 – 13:30	185	<i>RLAP: Revocable Lightweight Authentication Protocol for Adaptive Security in Internet of Drones</i> <i>Hussein Ali Ghadhban Salman, Najem Aldeen Abdullah Al Hajji, Ola J. Saleh, .et al</i>	
13:30– 13:45	201	<i>Post-Quantum Secure DevOps for Hybrid Quantum Software Engineering</i> <i>Mahmood A. Al-Shareeda, Husham Lateef Swadi Roomi, Murtadha Al-Maliki, .et al</i>	
13:45– 14:00	270	<i>Security and Forensic Analysis of Dark Web Exploration via the Tor Network</i> <i>Tenzin Lungrik, Kbm Tahmiduzzaman, Mahmudur Rahman, Abdul Hady Akash, .et al</i>	

Session IV

Tuesday: August 4th, 2026 (12:30 – 14:30), Location: Room(C)

Time	Paper ID	ONSITE Chaired by	Assoc. Prof. Dr. Maher Al-Sanabani Assoc. Prof. Dr. Yahya Alfagier
		ONLINE Chaired by	Prof. Dr. Ibrahim Alsofyani Dr. Mubaarak A.A.Saif
12:00– 12:15	172 ONSITE	<i>LSTM-PPO: A Hybrid Deep Reinforcement Learning Framework with Asymmetric Reward Engineering for Real-Time Intrusion Detection in IIoT and SCADA Networks</i> <i>Al-Abass Munther Al-Alousi and Mohammed Yahya Magnam</i>	
12:15– 12:30	239 ONSITE	<i>Framework for Intrusion Detection in IoT Networks: A Lightweight Soft-Voting Ensemble of XGBoost and LightGBM with Explainable AI</i> <i>Nooruddine Assarwie, Fahd Alqasemi, Tasnim Al-Khawlani, .et al</i>	
12:30– 12:45	263 ONSITE	<i>Adapting NIST CSF 2.0 Framework to Enhance Cybersecurity Readiness Against Phishing in SMEs in Yemen</i> <i>Mohammed Ahmed Ali Ali Abbas and Saleh Saleh Al-Amdi</i>	
12:45– 13:00	283 ONSITE	<i>A Proactive Ransomware Detection System for Windows Based on File System Behavior Analysis and Unsupervised Deep Learning</i> <i>Najilaa Abdullrahman Abu-Taleb, Rana Abdulhamed Alraini, .et al</i>	
13:00– 13:15	288	<i>Assessment of Social Engineering Attacks Awareness and Countermeasures in Higher Education Institutions in Taiz, Yemen</i> <i>Taha Ahmed, Sabri Saeed and Basheer Altayar</i>	
13:15 – 13:30	26	<i>BIM-Integrated Explainable Vision for Real-Time PPE Safety in Yemen's Construction Sector</i> <i>Ezzaldeen Al-Tayar, Saleem Al-Azazi, Abdullateef Ali and Aawag Mohsen Alawag</i>	
13:30– 13:45	37	<i>Analysing Serious Game Mechanics As the Media for Food Infrastructure Education</i> <i>Sabian Nathanael Biantong, David Drago, Leonardi, .et al</i>	
13:45– 14:00	269	<i>SemTFT: When Semantics Meet Intermittent Demand Forecasting</i> <i>Halimah Alkhorasani, Mohammed H Alsamhi, .et al</i>	

Session V

Tuesday: August 4th, 2026 (12:30 – 14:30), Location: Room (D)

Time	Paper ID	ONSITE Chaired by	Assoc. Prof. Dr. Fua'ad Abdulrazzak Assoc. Prof. Dr. Ahmed Al-Hussami
		ONLINE Chaired by	Dr. Akram Almohammed Dr. Mohammed Alshaboti
12:00– 12:15	290 ONSITE	<i>CGL-FED: A Continual Graph-Based Learning Framework for Fraudulent Email Detection</i> <i>Mohammed Abdulwahab, Muneer Almekhlafi and Raed Alsabri</i>	
12:15– 12:30	98	<i>Comparative Evaluation of YOLO Models for License Plate Detection and Telegram-Based Alerting</i> <i>Najm Al-Deen M. Abdulrahman, Ahmed M. Alshamiry, .et al</i>	
12:30– 12:45	147	<i>Comparative Heatmap Explanations for Deep Learning-Based Breast Density Classification</i> <i>Salah Jabreel, Hatem A. Rashwan, Najeeb Jebreel and Mohammed Jabreel</i>	
12:45– 13:00	202	<i>Data-Driven Deep Learning for Imaging Through Scattering Media: Architectures, Learning Paradigms, and Methodological Frontiers</i> <i>Radhwan A. A. Saleh, Salah F. S. Saeed, Malak M. N. Al-Koshab, .et al</i>	
13:00– 13:15	217	<i>Deep Prototype-Calibrated Learning for Multi-Class Assessment of Osteoporotic Status Using Knee Radiographs</i> <i>Abdulfattah Ba Alawi, Ferhat Bozkurt and Mete Yağanoğlu</i>	
13:15 – 13:30	36	<i>Resource Allocation and Task Offloading for MEC-Enabled 6G Networks Using Deep Reinforcement Learning</i> <i>Mamoon M. Saeed, Rashid A. Saeed, Mayada A. Ahmed, Zeinab E. Ahmed, .et al</i>	
13:30– 13:45	94	<i>Remote Seeding Scheme for Colorless Optical Network Units (ONUs) in Ultra-Dense Wavelength Division Multiplexing (UDWDM) Networks</i> <i>Aboubakr Mohammed and Farhat Shaltami</i>	
13:45– 14:00	149	<i>Velocity-Aware Adaptive Handover Control for Mobility Management in 5G Ultra-Dense Networks</i> <i>Halah Hassen Aldumaini, Hanadi Esmeail Yahya, Oloof Ameen Mohmmmed, .et al</i>	

Session VI

Tuesday: August 4th, 2026 (12:30 – 14:30), Location: Room (E)

Time	Paper ID	ONSITE Chaired by	Assoc. Prof. Dr. Khalid Al-Hussaini Assoc. Prof. Dr. Ameen Algamal
		ONLINE Chaired by	Assoc. Prof. Dr. Abdulrazak Alhababi Dr. İlyas SABRI
12:00– 12:15	52 ONSITE	<i>An Improved Hybrid Approach using DBSCAN and Artificial Bee Colony Algorithm for Web Search Results Clustering</i> <i>Mohammed Saadan, Basheer Al-Maqaleh and Mohammed Al-Zeidi</i>	
12:15– 12:30	95	<i>An Integrated Smart Framework for Post-Harvest Optimization and Market Intelligence</i> <i>Udara Vidarshi Amarasinghe Gamage, Balamanage Pemindi Kavyanjalee , .et al</i>	
12:30– 12:45	105	<i>Polarity Drift and Feature Entanglement in Cross-Domain Sentiment Analysis: Evidence from Amazon Product Reviews Case Study</i> <i>Ummu Fatimah Mohd Bahrin, Sharifalillah Nordin and Norlina Mohd Sabri</i>	
12:45– 13:00	110	<i>GIS-based Optimization of Healthcare Facility Locations in Alkhobar City using the P-Median Model</i> <i>Osamah S. Mohammed, Abdulkarim A. Abdulaziz, .et al</i>	
13:00– 13:15	127	<i>WhisperEngineClassifier: A Transfer Learning Framework for Audio-Based Engine State Classification</i> <i>Yasin Arafat, Nayeem Miah, Shihab Uddin Ahammad, Md Pamel Talukder.et al</i>	
13:15 – 13:30	178	<i>Comparative Evaluation of Machine Learning Models for Pluvial Flood Susceptibility Assessment A Case Study of Ibadan</i> <i>Gamal Muneer, Osamah S. Mohammed and Osaïd S. Mohammed</i>	
13:30– 13:45	196	<i>From Semantic Models to Sustainability Intelligence: A Review of Knowledge-Driven Reasoning in Smart Building Digital Twins</i> <i>Halimah Alkhorasani and Aawag Mohsen Alawag</i>	
13:45– 14:00	197	<i>Bimodal Personality Trait Recognition via Gated Siamese Attention: A Semantic-Acoustic Fusion Framework</i> <i>Marouane Echhaimi, Youness Chaabi, Khadija Lekdioui, .et al</i>	

eSmarTA-2026 Program – Second Day

Second Day: Wednesday 5 th August, 2026						
08:00 – 08:20	Registration					
08:20 – 09:00	Keynote speech entitled " <i>The role of power electronics in achieving a modern carbon-neutral society</i> " by Prof. Dr. Saad Mekhilef, Swinburne University of Technology, Australia.					
09:00 – 09:40	Keynote speech entitled " <i>AI Has Evolved—Have We? Human Judgment and Cognitive surrender & Sovereignty in the Age of Agentic AI</i> " by Eng. Mishaal Ali Thabit, Sohobcom Company, Yemen.					
09:40 – 10:20	Keynote speech entitled " <i>From Modeling to Production: The magic Behind AI Services and Applications</i> " by Dr. Mohammed Jabreel, Senior Applied Science Manager, Microsoft, Spain					
10:30 – 12:30	Parallel Sessions					
	Main Hall	Hall (1)	Hall (2)	Hall (3)	Hall (4)	Hall (5)
	8	8	8	8	8	8
12:30 – 12:45	Closing Ceremony and Certificates Distribution					

Session I

Wednesday: August 5th, 2026 (10:30 – 12:30), Location: Palestine Hall

Time	Paper ID	ONSITE Chaired by	Dr. TAHA AL-RAWHANI Prof. Dr. Abduh Mansar,
		ONLINE Chaired by	Dr. Radhwan A.A. Saleh Assoc. Prof. Dr. Murad Rassam
10:30 – 10:45	145 ONSITE	<i>AI HandRehab: Automatic Diagnosis and Rehabilitation Plan for Fine Motor Skills Based on Virtual Reality and Artificial Intelligence</i> <i>Erika Lozada Martínez, Saddam Abdulwahab, et al...</i>	
10:45 – 11:00	254	<i>Overcoming Data Sparsity in MOOCs: A Stacked Ensemble Deep Learning Recommender System</i> <i>Abdulrazak Alhababi</i>	
11:00 – 11:15	264	<i>Context-Aware Educational Question Generation for Children's Storybooks via a Modular Prompt-Optimized Pipeline</i> <i>Ahmed Hassan, Zhenjie Zhao, Ibrahim Farea and Qusai Hassan</i>	
11:15 – 11:30	206	<i>Cross-Layer Communication and Networking Design for UAV Swarms: Modalities, Architectures, and Intelligent Adaptation</i> <i>Azzam Almekhlafi and Yunes Alqudsi</i>	
11:30 – 11:45	271 ONSITE	<i>Res-LDAMP: Residual Deep Unfolding for Robust BeamSpace Channel Estimation</i> <i>Saeed Alsamhi, Farhan Nashwan, Halah Hassen Aldumaini, Khalid Alsofy, .et al</i>	
11:45 – 12:00	274	<i>Context-Aware Deep Reinforcement Learning for Adaptive Video Stream Prioritization in Multi-Party Video Conferencing</i> <i>Ibrahim Khaled Qasem Farea, Ahmed Hassan, Ouafae Ouadghiri and Qusai Hassan</i>	
12:00 – 12:15	70	<i>ResFed-IDS: Resource-Aware Federated Learning for Sustainable IoT Intrusion Detection</i> <i>Seidy Kante, Kerem Küçük and Sajjad Ahmad Khan</i>	
12:15 – 12:30	134	<i>ML-Based System to Detect GPS Spoofing and Signal Jamming via Signal Logs</i> <i>S. U. E. Harshani, Wickramasinghe V D A, Muthukuda M A D H N, .et al</i>	

Session II

Wednesday: August 5th, 2026 (10:30 – 12:30), Location: Room (A)

Time	Paper ID	ONSITE Chaired by	Dr. AL-ABASS MUNTHER Assoc. Prof. Dr. Abdullah Khalil
		ONLINE Chaired by	Dr. Mustafa Ghaleb Dr. Mohammed Alshaboti
10:30 – 10:45	161 ONSITE	Lightweight Multimodal Deception Detection in High-Stakes Videos <i>Al-Abass Al-Alousi, Mohammed Al-Munyfi, Najm Aldeen Al-Masnai, .et al</i>	
10:45 – 11:00	162 ONSITE	Calibration-Aware Transfer Learning for 125 Hz OpenBCI Motor Imagery BCI With Real-Time Assistive Control <i>Al-Abass Al-Alousi, Abdulrahman Al-Sebaeai, Abubakr Alquhfah, Osama Albahm, .et al</i>	
11:00 – 11:15	76 ONSITE	Effective Mining Approach of Interesting Classification Based Association Rules for Heart Disease Diagnosis <i>Salwa Al-Gabli and Basheer Al-Maqaleh</i>	
11:15 – 11:30	146 ONSITE	StackGuard: Heterogeneous Ensemble Stacking of Machine Learning and Deep Learning Paradigms for Industrial IoT Intrusion Detection. <i>Rania Baha, Saddam Abdulwahab and Muneer Hazaa</i>	
11:30 – 11:45	203	Toward Trust-by-Design in Federated Learning for Healthcare: A Taxonomic Review of Privacy, Explainability, and Accountability <i>Radhwan A. A. Saleh, Salah F. S. Saeed, Mona A. H. Al-Ariqi, Malak E. T. Ahmed, .et al</i>	
11:45 – 12:00	208	Cognitive Software Engineering with QoS Awareness for Hybrid Quantum Systems <i>Mustafa Moosa Qasim, Husham Lateef Swadi Roomi, .et al</i>	
12:00 – 12:15	214	Multi-Criteria Voting Algorithm for Misbehavior Detection in VANET Beacon Messages <i>Izdihar Sh. Shaleesh, Akram Almohammed and Mohammed Balfaqih</i>	
12:15 – 12:30	234	A Comparative Study of Ensemble Tree-Based Models for Short-Term Electricity Load Forecasting <i>Timur Lale</i>	

Session III

Wednesday: August 5th, 2026 (10:30 – 12:30), Location: Room (B)

Time	Paper ID	ONSITE Chaired by	Dr. ADNAN MUKRED Assoc. Prof. Dr. Amin Al-Solel
		ONLINE Chaired by	Dr. İlyas SABRİ Dr. Akram Almohammed
10:30 – 10:45	43 ONSITE	Analyzing Decentralized Cybersecurity Mesh (DCSM) in Securing Internet of Vehicles (IoV) <i>Asalah Abdulkareem Al-Swidi and Khalid Al-Hussaini</i>	
10:45 – 11:00	144	LFTS-AE: Leakage-Safe IIoT Anomaly Detection with EVT Calibration and Selective Three-Way Decisions <i>Khalid Al-Hussaini and Wafaa Abdulsalam Al-Nharai</i>	
11:00 – 11:15	221	Efficient Multivariate LSTM Forecasting of HVAC Energy Consumption in IoT-Enabled Smart Buildings <i>Nayef.A.M Alduais, Ali Abdullah.A. A Alsqaff, Abdul-Malik H. Y. Saad, .et al</i>	
11:15 – 11:30	228	Urgency-Aware Reward Redesign for Quality of Experience Oriented Computation Offloading Algorithm in Deadline-Constrained Mobile Edge Computing <i>Najlaa Abdullrahman Abu-Taleb, Ammar Thabit Zahary, .et al</i>	
11:30 – 11:45	11	Performance Monitoring and Optimization of Manufacturing Systems Enabled by the IoTs: A Comprehensive Review and Integrated Framework <i>Sami Gazem Abdullah Thabet and Mokhtar Amrani</i>	
11:45 – 12:00	12	An Integrated Industrial Internet of Things-Optimization Framework for Data-Driven Smart Manufacturing <i>Sami Gazem Abdullah Thabet and Mohammed Baggash</i>	
12:00 – 12:15	92	Automated Testing of RFID Tags through an Industrial IoT Approach: A Quality Control Application in Tire Manufacturing <i>Hamdi Erdoğan, Şevval Şolpan, Kerem Küçük, Mehmet Zeki Konyar and .et al</i>	
12:15 – 12:30	268	Blockchain-based Food Supply chain: Trend Mapping through Bibliometric Analysis <i>Saeed Hatim, Mahmood A. Bazel, Abdulguddoos S. A. Gaid, .et al</i>	

Session IV

Wednesday: August 5th, 2026 (10:30 – 12:30), Location: Room (C)

Time	Paper ID	ONSITE Chaired by	Dr. Abdulmajid Al-Mqdashi Assoc. Prof. Dr. Yahya Alfagier
		ONLINE Chaired by	Dr. Abduh Saif Assoc. Prof. Dr. Mohammed Mahyoub
10:30 – 10:45	79	<i>A Study on Intraday Rolling Peak-Shaving Strategies for Thermal Power Units Considering Steam Turbine Thermal Inertia Constraints</i> <i>Nie Sheng Yan</i>	
10:45 – 11:00	73	<i>Study on deep peak regulation and economy of coal-fired cogeneration units based on extraction compression heat storage</i> <i>Lianfei Tang</i>	
11:00 – 11:15	75	<i>Low-Carbon Economic Dispatch of Coal-Fired Steam Turbine Units Under the Dual Carbon Goals</i> <i>Dexin Lin</i>	
11:15 – 11:30	77	<i>Operational Optimization Strategy for Steam Turbine Deep Peak Regulation Considering Dynamic Thermal Stress Constraints</i> <i>Shimeng Fan</i>	
11:30 – 11:45	79	<i>Source-Load-Storage Cooperative Peak-Shaving Optimal Scheduling Method Based on Multi-Scenario Modeling</i> <i>Yufei Hao</i>	
11:45 – 12:00	115	<i>Research on Residual Life Prediction and Peak Shaving Adaptability of Steam Turbine Rotor Based on Multi-Condition Stress Analysis</i> <i>Song Liu</i>	
12:00 – 12:15	301	<i>The Algorithm Is Not the Answer: A Methodological Review of Metaheuristic Controller Tuning</i> <i>Radhwan A.A. Saleh, Dawood Haidar, Abdullah Haidar, Noor S. S. Al-Mathhagi, Malak R. A. Al-Habashi and Mawadah G. F. Abdo</i>	
12:15 – 12:30	251 ONSITE	<i>Synthetic Data Augmentation via Class-Conditional Latent Diffusion Models for Fundus Image Quality Assessment</i> <i>Najwa Sharaf, Saddam Abdulwahab, ..et al</i>	

Session V

Wednesday: August 5th, 2026 (10:30 – 12:30), Location: Room (D)

Time	Paper ID	ONSITE Chaired by	Dr. Saleh Al-Amdi Assoc. Prof. Dr. Ahmed Al-hussami
		ONLINE Chaired by	Dr. Humam Abualkebash Assoc. Prof. Dr. Abdulrazak Alhababi
10:30 – 10:45	116	Research on Optimization and Control Strategies of Sliding Pressure Operation of Steam Turbine under Deep Peak Regulation Conditions <i>Zhuojun Xu</i>	
10:45 – 11:00	117	A Study on Economic Evaluation and Operation Optimization of Steam Turbine under Deep Peak Shaving Conditions <i>Mingxin Yuan</i>	
11:00 – 11:15	118	Optimization of Steam Turbine Peak-Shaving Control Strategy Considering Fast Ramping Requirement <i>Zhong Zheng</i>	
11:15 – 11:30	119	Optimization of deep peak shaving operation of electric heating and heat storage combined with steam turbine <i>Chunyun Zhu</i>	
11:30 – 11:45	120	Coordinated Frequency Control and Optimization Scheduling Strategies for “Generation-Grid-Storage” Systems Under Deep Peak-Shaving Operations of New Energy Sources <i>Ying Li</i>	
11:45 – 12:00	126	Research on electro-thermal decoupling scheduling of heating turbine-generator units for integrated energy system <i>Yuande Li</i>	
12:00 – 12:15	204	Control-Oriented Design and Performance Evaluation of a Three-Terminal Storage-Assisted EV Fast-Charging System with an Interleaved Bidirectional Buck–Boost Converter <i>Salah F. S. Saeed, Radhwan A. A. Saleh, Abdullah Haidar, Mustafa Ghaleb, .et al</i>	
12:15 – 12:30	219	Adaptive Gain-Scheduled Compensation for Power Quality Control in Active Distribution Networks <i>Gubba Naveen and Sangamesh G Sakri</i>	

Session VI

Wednesday: August 5th, 2026 (10:30 – 12:30), Location: Room (E)

Time	Paper ID	ONSITE Chaired by	Dr. Waleed Dahea Assoc. Prof. Dr. Ameen Algamal
		ONLINE Chaired by	Dr. Mubaarak A.A.Saif Assoc. Prof. Dr. Abdulaziz Alnahari
10:30 – 10:45	223	Energy Transition Towards Strategic, Sustainable, and Diversified Renewable Technologies in Yemen <i>Mokhtar Amrani, Akram M. A. Almohamadi, Yazen M. S. Mohammed and .et al</i>	
10:45 – 11:00	244	From Optimal Sizing to Cost Efficiency: Techno-Economic Assessment of Stand-Alone PV Systems Based on Optimum Hybrid Sizing Strategy <i>Mohamad Abed, Safwan Nadweh, Amarendra Reddy B, .et al</i>	
11:00 – 11:15	245	Dynamic Multi-Objective Optimization for Smart Grid Stability Under Electric Vehicles Charging Demand Using EvoGrid-Optimizer <i>Safwan Nadweh, Mohamad Abed, Nabil Mohammed and Saad Mekhilef</i>	
11:15 – 11:30	248	Optimized Small-Scale CCUS Systems for Emerging Economies: A Metaheuristic-Based Modeling Approach with Economic and Environmental Assessment <i>Safwan Nadweh, Nabil Mohammed and Saad Mekhilef</i>	
11:30 – 11:45	276	Metaheuristic-Based Parameter Identification of a Single-Area Power System <i>Gamal Muneer, Osaid S. Mohammed, Md Shafiullah and Abdulkarim A. Abdulaziz</i>	
11:45 – 12:00	277	A Review of Electric Vehicle Charging Systems: Converter Architectures, Control Optimization, and PV-Integrated Energy Management <i>Mubaarak A.A. Saif, Salah F. S. Saeed, Abdullah Haidar, Alzahraa F. M. Almakthay, .et al</i>	
12:00 – 12:15	205	Toward Improving Software Functionality through Refactoring Operations: An Experimental Study <i>Abdullah Almogahed, Manal Othman, Mustafa Moosa Qasim, Said Badreddine, .et al</i>	
12:15 – 12:30	207	Toward Evidence-Based Software Engineering for Cross-Functional Team Optimization <i>Mustafa Moosa Qasim, Ali Zamil Sharhan Al-Maliki, Murtadha Al-Maliki, .et al</i>	