



Amirkabir's Datamining and Artificial Intelligence Day (Amirkabir's DAI-Day)

Amirkabir University of Technology (Tehran Polytechnique)

Department of Mathematics and Computer Science



Wednesday (24 January)					
Time	Topic		Presenter(s)		
9:00-11:00	Welcome Session with Academic and Industry Invited Speakers		Dr. Mehdi Ghatee Dr. Dariush Kiani Dr. Abbas Ahmadi Dr. Fatemeh Zare-Mirakabad Mr. Behnam Yousefimehr Mr. Sepanta Montazeri		
11:00-11:15	Break1				
11:15-12:15	Graph Neural Networks and its Application in Finance		Dr. Mostafa Pournalizadeh		
12:15-12:45	Housing Market Prediction in Tehran with AI Models		Mr. Hossein Ziyadi		
12:45-13:15	Prediction Forex Trend and Volatility of Option Contract with Machine Learning Models		Mr. Sina Ghasemilo		
13:15-14:00	Break2				
	Bahman Hall (Central Amphitheater)		Fajr Hall (Central Amphitheater)		Central Amphitheater
	Topic	Presenter(s)	Topic	Presenter(s)	
14:00-14:20	Casual Inference	Ahmadreza Horobi Moammad Barati Dehaghi	Pseudocounts for transcription factor binding sites	Yasamin Tafakor Sarina Heshmati	
14:20-14:40	Genetic Algorithm Clustering	Sina Moradi Arian Fathi Parsa Khadem	Voice-Controlled Persian Language AI Assistant	Hashem Sanaei Hamidreza Nasrabadi	
14:40-15:00	Vision-based housing price estimation using interior, exterior & satellite images	Ali Vefghi Mohammad Mahdi Hajabbasi	Predicting financial market prices using linear regression	Kiarash Esmailbeigi	
15:00-15:20	Revolutionizing Car Sales with AI: A Look at Our Advanced Recommendation System	Reza Shirazi	Prostate Cancer Diagnosis Based on Multi-Parametric MRI, Clinical and Pathological Factors Using Deep Learning	Haniye Sherafatmandjoo	

	Bahman Hall (Central Amphitheater of Amirkabir University of Technology)		Fajr Hall (Central Amphitheater of Amirkabir University of Technology)		Central Amphitheater
Time	Topic	Presenter(s)	Topic	Presenter(s)	Exhibition
15:20-15:40	Industrial-scale applications of TinyML	Alireza Keivanimehr Mohammad Ali Keshavarz	A comparative study of GNN and MLP based machine learning for the diagnosis of Alzheimer's Disease	Zahra Rafei Seyedeh Fatemeh Hosseini	
15:40-16:00	Data Mining and Artificial Intelligence Roadmap	Aref Azizian	The role of artificial intelligence in the banking industry	Fateme Sadat Hoseini Sadi	
16:00-16:20	Generate Rather Than Retrieve	AmirHossein Joghatayi, Roza Hamidi	A Brief Introduction to GANs with applications to biological data	Mohammad Amin Askari	
16:20-16:40	Quantum frontier data mining, discovery of electron tunneling communities in breast cancer	Elahe Daviran Seyed Ali Shahcheragh	AI in Industry	Fatemeh Shiri	
16:40-17:00	Knowledge-Based Agents	Ali Alefkhani Sina Enayat Amin Hossein Seyedghaleh	Adaptive Random Walk Gradient Descent for Decentralized Optimization	Emad Izadifar	
	Topic			Presenter(s)	
17:00-18:00	Closing Session with Academic and Industry Invited Speakers and prize-giving			Academic and Industrial Talks	

