

## Time Schedule for Monday, 19 May 2025

Time (Iran Standard Time)	Schedule	
8:00-12:00	Reception and Opening Ceremony	
12:00-13:00	Lunch	
Time	Lecture Topic	Key Speakers
13:15-14:00	Development of an algorithm for design of roadmap for digitalization of mineral processing plants based on the six-capital model and maturity assessment	Dr Mohsen Yayaei (University of Queensland, Australia), Dr Mohamad Reza Khalesi (Tarbiat Modares University, Iran)
Time	Lecture Topic	Key Speaker
14:05-14:35	Production of lithium carbonate from Kirka Barox clay-based tailing	Prof. Mehet Sabri Celik (Istanbul Technical University, Turkey)
Time	Paper Title	Authors
14:40-15:00	Feasibility Study of Vanadium Extraction from Steelmaking Slag of Mobarakeh Steel Company at Laboratory and Semi-Industrial Scale.	Dorna Pirouzan, Reza Parvareh, Zieddin Pourkarimi, Mehdi Rahimi, Seyed Javad Mousavi, Hosein Habibi,
15:05-15:25	Recovery of Rare Earth Elements Using Direct Atmospheric Leaching and Digestion Methods from Low-Grade Monazite Sources	Seyed Javad Mousavi, Hasan Sedigi, Yousef Nejad Azar, Alireza Parvizi, Mohsen Mirzae
15:30-15:50	Investigation of the Effect of Natural Salts on the Discharge Time of Remaining Voltage of Lithium-Ion Batteries During Crushing Stage	Mohammad Reza Vashadi Arani , Seyed ١٥:٥٠ ١٥:٣٠ - Mohammad Razavian
15:50-16:10	Break and Refreshment	
16:15-16:35	Sulfate Adsorption Mechanism Investigation from Acid Mine Drainage and Seawater Modification Method on Red Mud: Laboratory Studies and Molecular Simulation	Shima Rahimi, Mehdi Irannajad, Mehdi Jamali
16:40-17:00	Feasibility Study on Apatite Recovery from Iron Ore Beneficiation Tailings Using Flotation Process	Mohadeseh Rajabi, Parviz Pourghahramani
17:05-17:25	Upgrading of low-grade iron ore: optimization of recovery and reduction of feed volume	Mahdieh Seyfi, Parviz Pourghahramani

## Time Schedule for Tuesday, 20 May 2025

Time (Iran Zone)	Lecture Topic	Key Speaker
8:30-9:00	Advance flotation cell machineries and their application in gold and copper flotation	Dr Ahmad Hassanzadeh (Norwegian University of Science and Technology (NTNU), Norway)
Time	Paper Title	Authors
9:05-9:25	Characterization of Polyglycol-Based Frothers: Investigation of Dynamic Froth Stability and Dynamic Frothability	Arefeh Zahab Nazoori, Bahram Rezai, Aliakbar Abdolazadeh
9:30-9:50	Study on the Enrichment of Copper Oxide-Sulphide Ore Samples by Flotation Method	Hossein Hamedani, Arash Sobouti, Mohammad Baqaefar, Bahram Rezai, Fatemeh Sadat Hoseinian
9:55-10:15	The impact of Nano-micro bubbles on the zinc oxide ore flotation performance	Mohammad Omidifar, Sied Ziaedin Shafaei Tonkaboni
10:15-10:45	Break and Refreshment	
10:50-11:10	Influence of Complete Gas Dispersion and Critical Impeller Speed on the Flotation Kinetics	Hossna Darabi, Faraz Soltani
11:15-11:35	Enhancing Flotation Performance of Zinc-Oxide Minerals Using a Mixed Collector System	Amir Mabudi
11:40-12:00	Processing of a Low-Grade Gold Refractory Sulfide Ore by Flotation Biooxidation-Cyanidation	Sepide Sedighi, Ali Ahmadi
12:00-14:00	Lunch	
Time (Iran Zone)	Lecture Topic	Key Speaker
14:00-14:30	Concentration of iron ore via froth flotation: challenges and Solutions  Actual status of the technology available worldwide to concentrate iron ore via froth flotation and address the challenges to improve current technology: 1) water quality 2) flotation of coarse particles 3) depression of Fe-bearing minerals; 4) traditional x new collectors)	Prof. Laurindo Leal Filho (University of Sao Paulo, Brazil)
Time	Paper Title	Authors
14:35-14:55	Optimization of Sodium and Potassium Salts Recovery from Electric Arc Furnace (EAF) Dust via Water Leaching and Enhancement of Iron Grade in the Residual Solid	Hossein Habibi, Ziaeddin Pourkarimi, Seyed Hossein Hashemi, Dorna Pirouzan, Gholamreza Parvareh, Mahdi Rahimi
15:00-15:20	Assessment of Zinc Precipitation from Sulfate Solutions Using Magnesium-Rich Ores	Saeid Karimi, Bahram Behnajady, Javad Moghaddam
15:25-15:45	Spongy Zinc Powder Production from Cold Filter Cake to Use in Cold Purification Stage	Bahram Behnajady, Saeid Karimi, Javad Moghaddam

15:45-16:05	Break and Refreshment	
16:10-16:30	Feasibility Study for Gold Processing in Graphite Schists in the Band-e-Cherk district, Anarak Metallogenic Zone, Isfahan Province	Hamed Ebrahimi Fard, Majid Ghasemi Siani, Behrouz Karimi Shahraki, Amirhossein Heidari Bafrue
16:35-16:55	Extraction of Alumina from Low-grade Jajarm's Bauxite by Lime Soda Sintering Method	Raheleh Hazrati Behnagh, Shahram Rostami, Sadegh Marahem
17:00-17:20	Electrochemical Study Of Pyrite Oxidation In The Presence Of Ozone	Marzieh Sadeghizade, Ebrahim Azimi, Mohammad Raouf Hosseini, Mehdi Khandel

## Time Schedule for Wednesday, 20 May 2025

Time (Iran Zone)	Lecture Topic	Key Speaker
8:30-9:00	Flotation at the Edge: Advancing Coarse Particle Recovery Limits	Dr Mehdi Saffari (Head of Mineral Processing and Flotation Division, Mintek, South Africa)
Time	Paper Title	Authors
9:05-9:25	The Beneficiation Study of Manganese Carbonate Ore By Calcination And Magnetic Separation	Seyed Ramin Banihashemi, Gholamreza Parvareh, Morteza Dehghani, Hasan Vafaei Jirsaraei
9:30-9:50	Separation of Iron and Vanadium from Titanomagnetite by Thermal Treatment and Magnetic Separation	khadijeh Pariyan, Mohsen Fatahpour, Mohammad mehdi Ravanfar
9:55-10:15	Possibility of Using Waelz Kiln Technology (Reduction Roasting) for Processing Chehel-Kureh Complex Sulfide Ore	Payman Khakbaz, Kianoush Barani, Shahab Romiani, Mohammad Mahmoudi Maymand
10:15-10:45	Break and Refreshment	
10:50-11:10	Implementation of Coupled DEM-FEM to Investigate the Mechanical Behavior of Roller Screen Rolls in Classification of Green Iron Ore Pellets	Mehrshad Asghari, Mohammad Noaparast, Mohammad Jahani Chegeni
11:15-11:35	A Conscious Lab-based approach for modeling and investigating the impact of influential parameters on feed rate and differential pressure in cement vertical roller mills	Rasoul Fatahi, Hadi Abdollahi, Mohammad Noaparast, Mehdi Hadizadeh
11:40-12:00	Application and limitations of element to mineral conversion to predict modal mineralogy: case study tailings of iron processing plant	Fatemeh Kazemi, Ali Akbar Abdollahzadeh
12:00-14:00	Lunch	
14:00-16:00	Closing Ceremony Of symposium	