

Timetable - Day 1

TIME	Hall 1			
8:30 to 10:30	Opening Ceremony			
	Mr. Abbas Shaari Moghaddam Conference Secretary			
	Dr. Abbas Ali Aliabadi Deputy Minister of Energy, Electric Power & Energy Affairs			
	Mr. Adel Nezhad Saleem Managing Director, NPC			
	Mr. Iraj Haghighi Managing Director, SPEC			
	Mr. Robert Nijhuis Vice President, OPRA Turbines			
	Mr. Bahram Barani Managing Director, Baron Air & Gas Compressor			
	Importance of Enhancement of Turbo Machinery in Iran Professor Nourbakhsh, Ahmad, University of Tehran, Iran			
	Challenges of Implementing Modern Maintenance Technologies in Oil & Power Sectors Dr. Behzad, Mehdi; Iran Repair & Maintenance Association	Hall 2	Hall 3	Case Study Hall
10:30 to 11:00	Break			
11:00 to 12:30	FEM Analysis of Creep Behavior and Predict Lifetime of Gas Turbine Blade Vakili Tahami, Farid; Tabriz University	TurboPumps, Selection and Design Geust Speaker: Nourbakhsh, Professor Ahmad University of Tehran, Iran	Investigating Failure Mechanism of Titanium Gas Turbine Compressor Blades of HESA Power Plant Kermanpur, Ahmad; Isfahan University of Technology	Standardization of Gas Turbine and Auxiliaries in a Purchase Package Sarjamee, Saeed; MAPNA
	Blade loading calculation by using different turbulence models in gas turbines Nilifard, Reza; Iran Power Plant Repairs Co.	Two – Phase Coil Pump and its Parameters Saleki, Mohsen; University of Tehran, Iran	Zero Dimensional Modeling of Centrifugal Compressor and Validation by Test Results Pour Farzaneh, Hossein; Sharif University of Technology	
	New Cycloidal propeller (NCP) design and manufacture Mehranfar, Yaser; Isfahan University of Technology	Cavitation Detection in Centrifugal Pumps by Head Loss and Noise Measurement Methods Aliei, Mostafa; AmirKabir University of Technology	Axial Compressor Blade Design Improvement Using Streamline Curvature Method Aminae, Hamzeh; Iran University of Science and Technology	OPRA's 2 MW industrial all-radial gas turbines Magee, John; OPRA Turbines
	Experimental investigation of failure causes Poursaeidi, Esmaeil; Zanjan University	Shaft Work Targeting and Compressor Load Optimization of a Heat Pump System in a Petrochemical C2 Splitter Column Kamalinejad, Meisam; Iran LNG Co.	Theoretical and Experimental Study of Multi Stage Rolling of Compressor Blade Mahmoodi, Masoud; Iran University of Science and Technology	
12:30 to 14:00	Luncheon			
14:00 to 15:30	Importance of Pre-Delivery Tests of Rotating Equipment in Manufacturer's Site Guest Speaker: Taheri Moghaddam, Mahdi; Iran Mechanical Engineers Society	Stress analysis to consider fatigue failure shaft of a centrifugal pump by using of the finite element method Mirzajan Zadeh, Morad; Heavy Pump and Water Turbine CO.	Observation on API 610 10th edition revised items and Determination of API Vision to Improve Rotating Equipment Standards Based on 11th Edition Draft Rezaie Mirak Mahale, Ali, Pegasus Qeshm Oil and Gas Consultancy	Optimising the Performance of Rotating Equipment (A business case) Chothia, Mahomed; SKF
	Analysis of frequency and revolution control methods of small hydro power plants with respect to economical justification and exposure of controller electronic circuit. Mehri, Mohsen; University of Tehran	Risk Analysis and Effect of Mechanical Vibration Measurement Method in Preventive Maintenance of Rotating Machines in Oil Industry By Using FMEA Technique Firozpour, Mohammad Reza; Iranian Oil Pipelines & Telecommunication Co.	An analysis and investigation on the formation and destructive effect of black powder on gas compressor in a gas transmission plant of NIGC Saremi, Mohsen; University of Tehran	
	Study of Hot Corrosion and Oxidation Behaviours of GE-F5, MW701B and TG20 First-Stage of Gas Turbine Blades Rezakhani, Davar; Niroo Research Institute	A New method to balance overhung rotor Tajbakhsh, Abbas; Banadar Emam Petrochemical Co.	Aerodynamics of Stall and Surge Behavior in Axial-Centrifugal Compressors Naghieb, Iman; Iran University of Science and Technology	Many Considering Factors in Pre-Commissioning of Steam Turbines Panjtanian, S. M. Ali; Khorassan Petrochemical Co.
	Methods of Life Extension of Gas Turbine Transition Pieces Used in Iran Bajgholi, Azam; Niroo Research Institute	Defect Detection by Acoustic Emission Gear Ebrahim Fathabadi, Hadi; Petroleum University of Technology	Prediction of Icing and Erosion in Air Compressor of Gas Turbines Abbasian, Vahid; 4th Zone Gas Transmission Pipeline	
15:30 to 16:00	Break			
16:00 to 17:00	Oil Mist Technology Ziaee, Kourosh; Bandar Abbas Refinery	Preventive Diagnosis of Insulation Faults in Electrical Machine By Partial Discharge Test Farshidnia, Ali; Niroo Research Institute	Frontiers in a New Cooling Technique in Gas Turbo-Compressors Enayati, Masoud; Iranian Offshore Oil Co.	Steam Turbines Design Review: In Search of Problems Nesae, Dariush; Fanavaran Petrochemical Co.
	Effectiveness of CM Kazemi, Gholamreza; Esfahan Petrochemical Complex	Effects on Sub Synchronous Oscillation of Turbine-Generator Fault's Bandar-Abbas Shaft Fatigue in Pour Gholi, Mahdi; Power and Water University of Technology (PWUT)	Design and Manufacturing of an Experimental Ijungstrom and its Optimization Using Genetic Algorithm Jafari, Saeed; Iran University of Science and Technology	
	Cost Estimation and comparing of maintenance & repair in CM & PM methods Todarbari, Mohammad; Khorassan Petrochemical Co.	STG Woodward (DCS-501) Control Replacement With PLC Controller Shakeri, Mahdi; Bandar Abbass Oil Refinery	Feasibility Study of Using an Absorption Chiller for Gas Turbine Inlet Air Cooling in Compressor Stations Seyfi, Nima; National Iranian Gas Company	

Day 2

TIME	Hall 1	Hall 2	Hall 3	Case Study
9:00 to 10:30	Energy Auditing of Rotating Machines: Challenges & Procedures Guest Speaker: Afshar, Dr. Mahmoud; Petroleum University of Technology	Reliability Concept Guest Speaker: Ahmadi, Alireza; Bakhtar Petrochemical Co.	Comparison between Protective Coatings for Titanium Alloys in Hot Forming Honarmand, Mehrdad; Iran University of Science & Technology	Misalignment effects on vibration in rotary equipments Aflatouni, Ali; Petro Payesh Co.
	Life Estimation of Turbine Blade: Microstructure evolution in Ni-base superalloy Zendegani, Ali; Sharif University of Technology	Examination of the effect of replacing the dynamic exciter with static exciter on the vibration behavior of the turbo-generator of the Zargan power plant Behzad, Mehdi; Sharif University of Technology	Energy Audit in Compressors and Air Compressed Systems of Petrochemical and Artificial Fibers Factories Hassanzadeh, Masoud; Isfahan University of Technology	
	Survey of Siemens v94.0 Yazd gas turbine vibration and operational acts for reducing it Sadrian, Mahmoud; Yazd Power Plant	Reliability Calculation for Turbo Machinery Equipment Saketi, Sara; Banadar Emam Petrochemical Co.	Optimum Operating Conditions of Compressor Stations in Natural Gas Pipeline Networks Ali Nia Kashani, Amir Hesam; Iran University of Science & Technology	Obtaining High Pressure Compressors' Design & Manufacture Technology (Air compressor: 550 bar & Gas Compressor: CNG 250 bar) & Optimization of Polytropic Performance and Differences in Real Performance of Compressors Bagher Pour, Dr. Ali; Baron Air & Gas Compressor
	Design of A Radial Flow Gas Turbine For Power Generation Fasihfar, Ahmad; Power & Water University of Technology	Comparison investigations on straightening methods of bent power plant rotors Ahmadi, Ali; Iran Power Plant Repairs Co.	Simulation of turbocompressor of pressure station based on ANN and GA Taheri Khoozani, Ali; HESA	
10:30 to 11:00	Break			
11:00 to 12:30	Turab free flow water turbine design, manufacture and test Mehranfar, Yaser; Isfahan University of Technology	Design a fuzzy model based on vibration signal analysis to auto detect the gear faults Hashemi, Mohammad; Iran University of Science and Technology	Design and Construction of Jet Fans with High Power and Efficiency Rabiee, Ali Reza; Imam Hussein University	Survey of Causes for formation of Gum (Black Broonish) in the Seal Oil Trap of Ammonia Refrigeration Compressor and to Prevent of Gum in the Traps Rahimi, Azar; Khorassan Petrochemical Co.
	Effects of wet compression on power output of gas turbine cycle Tadbiri, Navid; National Gas Transmission Company	Condition Monitoring of Rotating Machinery In Time-Frequency Domain Based On Wavelet Transform Mohseni, Reza; Iran University of Science & Technology	Determining of BT Axial Fan Optimum Blade Pitch Angle Relates to Abadan Power Plant GE F9E Unit Hashemi, Ali; Niro Research Institute	
	Mechanical investigation of lock pin failure in the first stage of GE-F5 gas turbines Mohammadi, M. Reza; Iran Power Plant Repairs Co.	Overhung blower fault diagnosis by vibration analysis and using of field balancing method for correction Dabiri, Hamid Reza; Petro Payesh Co.	Evaluation and implementation of performance curve in centrifugal compressor Montazer Torbati, Hassan; NIGC	Survey of Cause of High Vibration in Nitrogen Compressor Electomotor in Air Compressors of Fajr Petrochemical Co. Doost, Saeed & Farrokhi, Gholamreza; Fajr Petrochemical Co.
	Valuation of replacing superalloy IN713C with superalloy IN738LC to produce a gas turbine bucket Attari, Alireza; Turbine Machine M.E. Co.	Failure Investigation of a Gas Turbine Unit, Dimension Control and Failure Detection of Dovetail Joint Fouladi Moghaddam, Ali Asghar; University of Tehran	Modelling of Acid Gas Absorption in MDEA Solution in Liquid Ring Compressors Using Film Theory Ameli, Frough; Amirkabir University of Technology	
12:30 to 14:00	Luncheon			
14:00 to 16:30	Guest Speaker: Mr. Bahmani Kazerooni, Kazem; SPGC			
	Rotating Equipment Maintenance based on Reliability Guest Speaker: Mr. Sahhaf Zadeh, Parviz; NPC			
	Role of Documentation in Optimized Management of Rotating Equipment Guest Speaker: Dr. Malek Ghaeni, Farshid; Tarbiat Modarres University			
	Dr. Rahim Zadeh, Hassan Conference Scientific Secretary			
	Conference Round Table Mr. Shaari Moghaddam, Abbas; Conference Secretary Dr. Rahimzadeh, Hassan; Conference Scientific Secretary Dr. Nourbakhsh, Ahmad; University of Tehran Mr. Sahafzadeh, Parviz ; NPC Mr. Tahersima, Ali; Tavanir Mr. Saidi, Abdolvahed; NIOC Dr. Mosavitorshizi, Ebrahim; Niroo Research Center Mr. Fardnia, Parviz; Tavanir			
	Ending Ceremony			