

APRIL 27, 2017

Yıldız Technical University, Auditorium

09:00 - 09:05	Opening Speech
09:05 - 09:15	FATİH SELİMEFENDİGİL, HAKAN ÖZTOP - PERFORMANCE PREDICTIONS OF AIR-COOLED CONDENSERS HAVING CIRCULAR AND ELLIPTIC CROSS-SECTIONS WITH ARTIFICIAL NEURAL NETWORKS
09:15 - 09:25	HAKAN FEHMİ ÖZTOP - A computational analysis for free convection in a cubic cavity from partial opening in both top and bottom side
09:25 - 09:35	FATİH BAYRAK, FATİH SELİMEFENDİGİL, HAKAN FEHMİ ÖZTOP - AN EXPERIMENTAL ANALYSIS OF HYBRID PHOTOVOLTAIC-THERMOELECTRIC (PV/TE) SYSTEM
09:35 - 09:45	SYAFARUDDIN, SATRIANI LATIEF - Application of Photovoltaic Power for Cooling Systems
09:45 - 09:55	EİYAD AHMAD ABU-NADA - Dissipative Particle Dynamics: A Novel Tool for Convective Heat Transfer Simulation
09:55 - 10:05	SAMEH ELSYAED AHMED - VARIABLE POROSITY AND THERMAL DISPERSION EFFECTS ON A NATURAL CONVECTIVE FLOW OF NANOFLUIDS IN A COMPOSITE SYSTEM
10:05 - 10:15	MOHAMMED KHUDHAİR ABBAS ALHUMAİRİ, ÖZGÜR ERTUNÇ - The calibration of turbulent flame speed closure model to predict the premixed combustion flame under the influence of weak to strong turbulence
10:15 - 10:25	Elif Büyük Ögüt, HAKAN F. ÖZTOP, MEDET KILIÇTEPE - NATURAL CONVECTION OF NANOFLUIDS IN A TRIANGULAR CAVITY WITH CORRUGATED BOTTOM WALL
10:25 - 10:40	COFFEE BREAK - POSTER PRESENTATIONS
10:40 - 10:50	ANUAR İŞHAK - Application of nanofluids in vehicle engine cooling system: A review
10:50 - 11:00	BURHANETTİN ÇETİN, ERMAN ÖZEN - Comparative energy and exergy analysis of an ultra super-critical and a sub-critical power plant
11:00 - 11:10	BURHANETTİN ÇETİN - THERMO-ECONOMIC ANALYSIS OF A SIMPLE BRAYTON CYCLE UNDER DIFFERENT GAS TURBINE INLET TEMPERATURE
11:10 - 11:20	AHMET SARI, ALPER BİÇER, CEMİL ALKAN, ÇINAR KIZIL - Preparation, characterization and thermal energy storage characteristics of encapsulated tetracosane-octadecane eutectic mixture by polystyrene
11:20 - 11:30	AHMET SARI, ALPER BİÇER, ALİ KARAIPEKLİ - Thermal energy storage properties and thermal reliability of palmitic acid/expanded graphite composite as form-stable PCM
11:30 - 11:40	AHMET SARI, ALPER BİÇER, CEMİL ALKAN - Latent heat thermal energy storage properties of encapsulated heneicosane with poly(methyl methacrylate) shell
11:40 - 11:50	A. ENGİN ÖZÇELİK, MUSTAFA ACAROĞLU, HASAN AYDOĞAN - DETERMINATION OF SAFFLOWER BIODIESEL AND EURODIESEL FUEL MIXTURE OF COMMON RAIL FUEL SYSTEM OF DIESEL ENGINE IMPACT ON PERFORMANCE
11:50 - 12:00	BEN KHADDA BEN AMMAR, MEKKİ MELLAS - The influence of curing condition on the of strength of concrete made in hot climate environment
12:00 - 13:00	Lunch
13:00 - 13:10	JALAL FARAJ, NİCOLAS BOYARD, JEAN-LUC BAILLEUL, DİDIER DELAUNAY, MOHAMAD RAMADAN, MAHMOUD KHALED - Thermal investigation of the mass effect on micro-sample temperature homogeneity and crystallization kinetics using a Fast Scanning Calorimeter
13:10 - 13:20	RABİH MURR, MOHAMAD RAMADAN, MAHMOUD KHALED, HISHAM ELHAGE, FAROUK HACHEM, YOUSSEF ABOUMSALLEM - Reduction of fuel consumption and CO2 emissions in automobiles by improving the CO2 supercritical refrigeration cycle
13:20 - 13:30	HASSAN JABER, MOHAMAD RAMADAN, MAHMOUD KHALED, THIERRY LEMENAND, HISHAM ELHAGE, AHMAD HADDAD - DOMESTIC THERMOELECTRIC COGENERATION SYSTEM: OPTIMIZATION ANALYSIS - EFFECT OF CHANGING PIPE AND TANK SHAPES
13:30 - 13:40	GHASSAN TASHTOUSH, AMEER MOHAMMED ABBAS AL-DAFAİE, Momen Mohammad Abdalla Qasaimeh, Emad Bassam Hasan Dardour, Mohammednour Mohammed Abdullah Gibreel - 2k Factorial analysis for PV module operation and performance at Different Conditions
13:40 - 13:50	KORAY ERDOĞAN, ŞEVKET ÖZGÜR ATAYILMAZ - EXAMINATION OF THE EFFECT OF AXIAL FAN AND SHROUD ON NOISE
13:50 - 14:00	CELAL EVCİ - Analysis of the Effect of Propellant Temperature on Interior Ballistics Problem
14:00 - 14:15	COFFEE BREAK - POSTER PRESENTATIONS
14:15 - 14:25	Mert Alpaya, İskender Kayabaşı, Burag Hamparyan - NUMERICAL AND EXPERIMENTAL INVESTIGATION OF A WASTEGATE TURBOCHARGER COMPRESSOR
14:25 - 14:35	LAYTH AL-GEBORY - Prediction of the effect of particle agglomeration on the spectral radiation in nanoparticle suspensions for thermal applications
14:35 - 14:45	LAYTH AL-GEBORY - Participating media for volumetric heat generation
14:45 - 14:55	LAYTH AL-GEBORY, PINAR MENGÜÇ - The effect of [Al] ₂ O ₃ particle agglomeration on the spectral radiative properties of nanoparticle suspensions
14:55 - 15:20	COFFEE BREAK - POSTER PRESENTATIONS
15:20 - 15:30	SABİT HOROZ, OMER SAHİN - Zn (1-x) Co(x) S Quantum Dots Sensitized Solar Cells (QDSSCs)
15:30 - 15:40	SAIT İZGİ, SEDA TAYBOGA, OMER SAHİN, SABİT HOROZ - Hydrogen Production from Sodium Borohydride Methanolizine in the Presence of Co-Cu-B-F Catalyst in Plasma Medium
15:40 - 15:50	BEENİŞ BATUL, MANOHAR KARNAL - DEVELOPMENT OF THERMAL MODEL FOR THE AIRBORNE EQUIPMENT AND ITS VERIFICATION
15:50 - 16:00	NAİF DARWİSH - Prediction of limiting activity coefficients and Henry's law constants in aqueous solutions by group-contribution methods
16:00 - 16:10	MUSTAFA HABİB - An Internal Combustion Engine's Innovative Mechanism for Higher Efficiency
16:10 - 16:20	MUSTAFA HABİB - A Saturated Friction Damping Force for Vehicle Occupant Front Impact Protection
16:20 - 16:30	İREM ÖNER ALP, YASEMİN ÖZTEKİN ÇİFTÇİ - First-principles calculations of semiconductor LiBeP compound
16:30 - 16:45	COFFEE BREAK - POSTER PRESENTATIONS
16:45 - 16:55	AYLİN AYTAÇ - ELECTROOXIDATION OF METHANOL AND SODIUM BOROHYDRIDE ON CARBON VUCAN XC-72 SUPPORTED NANO-AG ELECTRODE FOR ALKALINE FUEL CELLS
16:55 - 17:05	AYLİN AYTAÇ, KEZBAN SAKA, YASEMİN Ö. ÇİFTÇİ - THE CORROSION BEHAVIOUR OF ALUMINIUM MATRIX COMPOSITES IN AQUEOUS 3.5% M NaCl SOLUTION
17:05 - 17:15	AYLİN AYTAÇ - PERFORMANCE OF SILVER NANOPARTICLES IN THE CATALYSIS OF THE OXYGEN REDUCTION REACTION FOR APPLICATION OF THE FUEL CELL