

APRIL 28, 2017

Yıldız Technical University, Auditorium

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| 08:55 - 09:00 | Opening Speech |
| 09:00 - 09:05 | KEMAL FURKAN SÖKMEN, SABRİ ERASLAN, EROL KOCABIYIK, İRFAN KAMAŞ, TANER KARSLIOĞLU - THERMAL ANALYSIS AND EXPERIMENTAL STUDY OF AUTOMOTIVE CENTER HIGH MOUNT STOP LAMP |
| 09:05 - 09:15 | MUSTAFAALJANABİ - Design of Smart Home Model Using Solar Energy |
| 09:15 - 09:25 | ALİ VOLKAN AKKAYA - RANDOM FOREST BASED ESTIMATION MODEL FOR COAL ELEMENTAL COMPONENTS |
| 09:25 - 09:35 | HASAN KAYHAN KAYADELEN - Thermodynamic properties of unburned CHON type fuels, fuel mixtures and reactant mixtures |
| 09:35 - 09:45 | GULSUN BEKTAŞ, YUSUF AKSOY - ENERGY and EXERGY ANALYSIS OF STEAM POWER PLANT in TEKNEÇİK |
| 09:45 - 09:55 | FREDERICO MARGEM, ANDRE RAEI GOMES, glenio daniel, SERGIO NEVES MONTEIRO - STATISTICAL ANALYSIS TO CHARACTERIZE THE UNIFORMITY OF MECHANICAL PROPERTIES OF BURITI FIBERS |
| 09:55 - 10:05 | FATİH YILMAZ, REŞAT SELBAŞ - THERMODYNAMIC ANALYSES OF VANADIUM CHLORINE THERMOCHEMICAL CYCLE FOR HYDROGEN PRODUCTION |
| 10:05 - 10:15 | FATİH YILMAZ, REŞAT SELBAŞ, MURAT ÖZTURK - PERFORMANCE ASSESSMENT OF HYDROGEN AND POWER PRODUCTION SYSTEM DRIVEN BY SOLAR ENERGY |
| 10:15 - 10:25 | MURAT ÖZTÜRK, FATİH YILMAZ, REŞAT SELBAS - Thermodynamic Analysis of Geothermal Energy Based Hydrogen Production and Liquefaction Process |
| 10:25 - 10:40 | COFFEE BREAK - POSTER PRESENTATIONS |
| 10:40 - 10:50 | HÜSEYİN PEHLİVAN, ASUDE ATEŞ - Calculation of energy potential of Sakarya province sewage sludge and investigation of its alternative use |
| 10:50 - 11:00 | MERT TURAN, HÜSEYİN PEHLİVAN, ZEKERİYA PARLAK - Analysis of Parameters Affecting Axial Load in Single Suction Centrifugal Pump by CFD Method |
| 11:00 - 11:10 | ALPER YILMAZ, MEHMET TAHİR ERDİNÇ, TUNCAY YILMAZ - High Temperature Psychrometric Diagrams and Applications for Heat Recovery and Drying Processes |
| 11:10 - 11:20 | ALPER YILMAZ, MEHMET TAHİR ERDİNÇ, TUNCAY YILMAZ - Exergy Analysis of Air Refrigeration Cycle With Two Stage Compression and Three Heat Exchangers |
| 11:20 - 11:30 | TUNCAY YILMAZ, MEHMET TAHİR ERDİNÇ, ALPER YILMAZ - Numerical Prediction of Turbulent Flow and Heat Transfer in Interrupted Channels Positioned Convergent-Divergently to the Flow Direction |
| 11:30 - 11:40 | NURULLAH ARSLANOĞLU - THE EFFECT OF BASE FLUID ON ENTROPY GENERATION FOR NANOFLUID FLOW IN SQUARE DUCT |
| 11:40 - 11:50 | RECEP EKİCİLER, DAVUT BUĞRA AYAZ, KAMİL ARSLAN - THE EFFECTS OF ETHYLENE GLYCOL BASED NANOFLUID FLOW OVER 2D BACKWARD-FACING STEP |
| 11:50 - 12:00 | RECEP EKİCİLER, DAVUT BUĞRA AYAZ, KAMİL ARSLAN - A TWO-DIMENSIONAL NUMERICAL SIMULATION OF NANOFLUID FLOW OVER BACKWARD-FACING STEP: COMPARISONS OF THE EFFECTS OF BASE FLUIDS ON HEAT TRANSFER |
| 12:00 - 13:00 | Lunch |
| 13:00 - 13:10 | CİHAN YILDIRIM, N. FİLİZ TÜMEN ÖZDİL - Thermal and thermohydraulic performance of a solar air collector with artificially roughened absorber plate by grooves and chamfered ribs |
| 13:10 - 13:20 | NAİME FİLİZ ÖZDİL, ATAKAN TANTEKİN - PERFORMANCE ASSESSMENT OF A COGENERATION SYSTEM IN FOOD INDUSTRY |
| 13:20 - 13:30 | NAİME FİLİZ ÖZDİL - THERMODYNAMIC ANALYSIS OF A FLUIDIZED BED COAL COMBUSTOR STEAM PLANT IN TEXTILE INDUSTRY |
| 13:30 - 13:40 | İLKER TURGUT YILMAZ, METİN GÜMÜŞ - A RESEARCH ON LOW HEAT REJECTION COMMON RAIL DIESEL ENGINE |
| 13:40 - 13:50 | RECEP EKİCİLER, EMRE AYDENİZ, KAMİL ARSLAN - NUMERICAL SIMULATION OF LAMINAR FORCED CONVECTION FLOW OVER BACKWARD-FACING STEP WITH USING DIFFERENT TYPES OF NANOFLUIDS |
| 13:50 - 14:00 | RECEP EKİCİLER, EMRE AYDENİZ, KAMİL ARSLAN - A CFD INVESTIGATION OF Al2O3/WATER FLOW IN A DUCT HAVING BACKWARD-FACING STEP |
| 14:00 - 14:15 | COFFEE BREAK - POSTER PRESENTATIONS |
| 14:15 - 14:25 | MUSTAFA AL-BAYATI, SELÇUK DARICI, SEFIK BILIR - Investigation The Effects of Air Temperature on Viol Drying Characteristics |
| 14:25 - 14:35 | SELÇUK DARICI, ANIL KILIÇ - THERMAL PERFORMANCE ANALYSIS OF A FORCED CONVECTION SOLAR AIR COLLECTOR |
| 14:35 - 14:45 | AMICHE ATHMANE, EL HASSAR Sidi Mohamed Karim, LARABI ABDELKADER - Flat Plate Collectors with Thermochromic Absorber Coatings in the Algerian Context |
| 14:45 - 14:55 | AHMET YUCEKAYA - A SIMULATION APPROACH TO EVALUATE THE EFFECT OF GENERATOR AND COMPRESSOR CAPACITY ON THE ECONOMIC PERFORMANCE OF COMPRESSED AIR ENERGY STORAGE SYSTEM |
| 14:55 - 15:20 | COFFEE BREAK - POSTER PRESENTATIONS |
| 15:20 - 15:30 | ZEKERİYA PARLAK, MUSTAFA ERTURK SOYLEMEZ - THERMAL EFFECT ON DYNAMIC CHARACTERISATION OF A MAGNETORHEOLOGICAL DAMPER |
| 15:30 - 15:40 | SAEID RAHEIMPOUR ANGENEH, MURAT KADRI AKTAŞ - NUMERICAL INVESTIGATION OF VIBRATION-INDUCED THERMAL CONVECTION IN AN ENCLOSURE WITH SPATIALLY NON-UNIFORM TEMPERATURE PROFILE OF BOTTOM WALL |
| 15:40 - 15:50 | BERK ÇEVİRİM, ALMILA GÜVENÇ YAZICIOĞLU, SADIK KAKAÇ - EXPERIMENTAL INVESTIGATION OF HEAT TRANSFER AND LAMINAR LIQUID FLOW IN A RECTANGULAR CROSS SECTION MULTIPORT INNER FINNED MINICHANNEL |
| 15:50 - 16:00 | EMRE TURGUT, AYDIN DİKİCİ - INVESTIGATION OF EFFECTS OF CIRCULAR CROSS-SECTIONAL TURBULATORS IN A CONCENTRIC HEAT EXCHANGER |
| 16:00 - 16:10 | SUNA AVCIOĞLU, SEMRA KURAMA - Translucent La- α -SiAlON Ceramics Fabricated by Spark Plasma Sintering (SPS) |
| 16:10 - 16:20 | SUNA AVCIOĞLU, FİGEN KAYA - Recent Advances in Boron-Based Solid State Hydrogen Storage Technologies |
| 16:20 - 16:30 | Celal Avcıoğlu, Burak Özkal - EFFECTS OF GRANULATION ON PROCESSING OF TiO2 CERAMICS |
| 16:30 - 16:45 | COFFEE BREAK - POSTER PRESENTATIONS |
| 16:45 - 16:55 | GÜRÇAN TIRYAKI, ÜNAL ÇAMDALI - REFLECTIVITY AND EMISSIVITY EFFECTS ON THE CAVITY RECEIVERS OF THE SOLAR POWER TOWER SYSTEMS |
| 16:55 - 17:05 | GÜRÇAN TIRYAKI, ÜNAL ÇAMDALI - ENERGY AND EXERGY ANALYSIS OF A SOLAR POWER TOWER SYSTEM WITH A CAVITY RECEIVER |
| 17:05 - 17:15 | GÜRÇAN TIRYAKI, ÜNAL ÇAMDALI - TUBE DIAMETER OPTIMIZATION OF A CAVITY RECEIVER FOR A SOLAR POWER TOWER SYSTEM |