

OCTOBER 11, 2016 YILDIZ TECHNICAL UNIVERSITY, AUDITORIUM	
09:30 - 10:00	<i>Opening Speechs</i>
09:30 - 10:00	<i>Conference Chairman Assist. Prof. Dr. Övün IŞIN</i>
	Prof. Dr. Ayşegül AKDOĞAN EKER - <i>Head of YTU Mechanical Engineering Department</i>
	Prof. Dr. İsmail TEKE - <i>Dean of YTU Mechanical Engineering Faculty</i>
	Prof. Dr. Bahri ŞAHİN - <i>Rector of Yıldız Technical University</i>
10:00 - 10:20	Prof. Dr. Jeng-Haur HORNG - <i>President of Academia-Industry Technology Alliance for Tribology/Director in Micro/Nano Tribology and Surface Engineering Center</i>
10:20 - 10:40	Ali El Idrissi EL BOUZIDI - <i>Assistant General Manager of Türk Traktör ve Ziraat Makineleri A.Ş.</i>
10:40 - 11:00	Cem ÖZEN - <i>Powertrain Engineering Engine DV-Build & Testing Manager of Ford Otomotiv San. A.Ş.</i>
11:00 - 11:20	Erdem BEKTAŞ – <i>Member of Executive Board of YTU Teknopark</i>
11:20 - 11:40	Erhan KÜÇÜKSÜLEYMANOĞLU - <i>Advanced Product Engineering Manager of TOFAŞ - FIAT TURKEY.</i>
11:40 - 12:00	Dr. Namık KILIÇ - <i>CAE manager Position in Otokar</i>
12:00 - 13:30	İlker ŞAHİN - <i>Business Development Manager, AVL Research and Engineering Turkey</i>
13:30 - 13:50	<i>Lunch 1</i>
13:50 - 14:10	Mehmet Ünal - <i>Temsa Global</i>
14:10 - 14:30	Prof. Dr. Hakan SOYHAN – <i>Sakarya University Mechanical Engineering Department , CEO TEAM-SAN Co.</i>
14:30-14:50	Prof. Dr. Mustafa ÇANAKÇI – <i>Kocaeli University Automotive Engineering Department</i>
14:50 - 15:10	Dr. Daniel Muller SPINELLI - <i>Senior Manager Body in White Development at Mercedes Benz Turk A.Ş.</i>
15:10 - 17:55	<i>Coffee Break</i>
15:10 -15:25	<i>Oral Session 1</i>
15:25 - 15:40	Gholamreza NAKHAEIZADEH, Hadi GÖKÇEN, Simge DENİZ <i>Application Potential of Big Data Mining in Automotive Industry</i>
15:40 - 15:55	İdil İlke GÜLTEKİN YILDIZ, Gül ERKAL, Samet Adem CÖMERT, Y. Samim UNLUSOY, Tuna BALKAN - <i>Modelling And Simulation Of Power Steering System For Agricultural Tractors</i>
15:55-16:10	Mehmet YAHSİ, Hasan AKÇE, Atayıl KOYUNCU <i>Shape Optimization Of A Specialty Range Agricultural Tractor's Front Axle Support</i>
16:10 - 16:25	Semih Mahmut AKTARER, Dursun Murat SEKBAN, Tevfik KÜÇÜKÖMEROĞLU, Genççağ PÜRÇEK, Zongyi MA - <i>Formability Of Friction Stir Welded Dissimilar Materials Of If-Steel And 6061 Al Alloy</i>
16:25-16:40	İlhan Öztürk, Atayıl Koyuncu, Kağan PENEKLİOĞLU, Ertan KARAIŞMAİL - <i>Effect of Radiator Cooling Package Alignment on Underhood Cooling Performance of an Agricultural Tractor</i>
16:40-16:55	Ahmet NUR - <i>An Overview of Battery Electric Vehicles and Plug-in Hybrid Electric Vehicles</i>
16:55-17:10	Caner YALÇIN - <i>Data needs for the theoretical calibration curve of thin layer activation method</i>
17:10-17:25	Ekrem ALTUNCU, Fatih KURTULDU - <i>Effect of Plasma Treatment on Wettability Properties of The Electrophoretic Coating (E-Coat) on Steel Automotive Parts</i>
17:25-17:40	Sıtkı USLU - <i>Optimization of EGR in a Non Road Diesel Engine using Extended Coherent Flame Model 3Zone</i>
17:40-17:55	Shahab Khameneh ASL, Shahin Khameneh ASL - <i>Study of Tribology and Corrosion properties of Nanostructured WC-Ni High Velocity Oxy Fuel Sprayed Coatings</i>
	Daniyal Khan, Prof. Dr. M. Zafer Gül - <i>Performance Map Measurement, Zero-Dimensional Modelling & Vibration Analysis Of A Single Cylinder Diesel Engine</i>

OCTOBER 13, 2016	
YILDIZ TECHNICAL UNIVERSITY, AUDITORIUM	
09:30 - 10:45	<i>Oral Session 1</i>
09:30 - 09:45	İlker KÜÇÜKOĞLU, Nursel ÖZTÜRK <i>A Mathematical Model Formulation for Vehicle Routing Problem of Electric Vehicles</i>
09:45 - 10:00	İlker KÜÇÜKOĞLU - <i>Gearbox Transmission Ratio Analysis for Fuel Economy on Vehicles</i>
10:00 - 10:15	Mehmet Okan GÖRTAN <i>An Adaptive Empirical Model For Friction Prediction In Cold Forging</i>
10:15 - 10:30	Rafiq MEHDİYEV, Ahmet Dursun ALKAN, Akın O. KUTLAR, Hüseyin E. DOĞAN, Başar BEYZAOĞLU, Özgür DİNÇ <i>Development of New Generation Gasoline Engines as an Alternative to Diesel Engines</i>
10:30 - 10:45	Gökhan COŞKUN, Usame DEMİR, Hakan Serhad SOYHAN <i>Combustion Characteristics of TRF Mixtures in a Modern Diesel Engine</i>
10:45 - 11:00	<i>Coffee Break</i>
11:00 - 12:30	<i>Oral Session 2</i>
11:00 - 11:15	Mehmet Çağlar YILMAZ, Anıl BALCI, Asil Ege BÜKE - <i>Residual stress defect on the cylinder block and to reduce the stress by the molding and design changes</i>
11:15 - 11:30	Mahmut Kurtuluş ABAY <i>Optimization of NOx and Soot in Diesel Engine Using Computational Fluid Dynamics</i>
11:30 - 11:45	Ertuğç ENEROĞLU, Remzi ARIKAN, Murat GÜNDOĞDU <i>Body Control Module Software Design</i>
11:45 - 12:00	Nazım ÇAMKERTEN, Ender İNCE, Selahattin SARI <i>Brake Performance Analysis of a Tractor Brake System</i>
12:00 - 12:15	Tuğba TAPLI, Fatih KENDİR <i>Mean Value Diesel Engine Modeling, Transient Validation & Control</i>
12:15 - 12:30	Kaan BALTALI - <i>Friction Coefficient Measurement Test Set-Up For Synchronizer Design</i>
12:30 - 13:30	<i>Lunch 2</i>
13:30 - 15:30	<i>Oral Session 3</i>
13:30 - 13:45	Alper ALTINIŞIK, Ahmet ALPAYDIN - <i>E-Drive Transmission Concepts for Commercial Vehicles</i>
13:45 - 14:00	Gülây GÖKTAŞ SEVER, Osman Yiğit ÇOKAY - <i>Brief Review of Wet Clutch Friction Modelling</i>
14:00 - 14:15	Vinay Kumar DOMAKONDA, Nageswara RAO B, Ravi Kumar PULI - <i>Effect of E15 equivalent Iso-Stoichiometric Gasoline-Ethanol-Methanol Blends on Fuel Economy and Emissions of a Two Stroke Petrol Engine</i>
14:15 - 14:30	Akın OKTAV, Çetin YILMAZ, Günay ANLAŞ - <i>Determination of the damping characteristics of computational body-in-white models</i>
14:30 - 14:45	Alias Mohd NOOR, Fadzlun Nadrah SHARUDDIN, Uday M. BASHEER, Srithar RAJOO - <i>Ceramic Materials For Coating Application In Turbocharger Turbine Of Automotive Engine: A Review</i>
14:45 - 15:00	Nabeel ALMURAMADY, Feodor M. BORODICH - <i>Adhesive contact between silicon-based MEMS tooth surfaces modelled by the multiscale multi-block model</i>
15:00 - 15:15	Necdet ÇAPAR, Utku KUMRU, Tanya BASER, Gokhan TEKİN, Onur SARAY - <i>Friction Stir Spot Welding For Automotive Applications</i>
15:15 - 15:30	Adem KARŞI, Taner KARAGÖZ, Serkan TOROS - <i>The Effects Of Cutting Tool Angle And Coating Condition On Burr Formation Of Al-6016 Alloy</i>
15:30 - 15:45	<i>Coffee Break</i>
15:45 - 17:45	<i>Oral Session 4</i>
15:45 - 16:00	Messaoudi ABDELHAMİD, Touil Djamel EDDİNE, Zitouni ATHMANE - <i>Ecg Signal Compression Using Bat Algorithm</i>
16:00 - 16:15	Anıl Onur CANBAZ, Mustafa YALÇINKAYA, Şadan DÖNMEZ - <i>CAN Network Log Analysis For Bit Stuffing Ratio Detection</i>
16:15 - 16:30	Sinan VARGELCİ, Ayça KÜÇÜKOĞLU, Talip USTA - <i>Mold Flow Analyses For Flow Marks On Automotive External Plastic Parts</i>
16:30 - 16:45	Emrah YİRİK, Mehmet Uğraş CUMA, Çağla DERİCİOĞLU - <i>Design Considerations of High Voltage Battery Packs for Electric Buses</i>
16:45 - 17:00	Emrah YİRİK, Mehmet Uğraş CUMA, Çağla DERİCİOĞLU - <i>A Review of Charging Technologies for Commercial Electric Vehicles</i>
17:00 - 17:15	Selman DEMİRTAŞ, Hakan KALELİ - <i>Is Abrasive Wear Common Mechanism of Piston Ring and Cylinder Liner Rubbed Surfaces?</i>
17:15 - 17:30	Ahmet Vatanserver, Hilmi Kuşçu - <i>Design of Voice Controlled Vehicle</i>
17:30 - 17:45	Özgün Höke - <i>Structural Optimization of Engine Cross Members In Light Commercial Vehicles</i>

OCTOBER 13, 2016 YILDIZ TECHNICAL UNIVERSITY, EXHIBITION HALL	
09:30 - 10:45	<i>Oral Session 1</i>
09:30 - 09:45	Caner KARA, Selen SAĞSÖZ, Ahmet Salih YILMAZ, Yavuz ÖZTÜRK <i>Driver Seat Bracket Optimization</i>
09:45 - 10:00	Şaban PUSAT, Mustafa Tahir AKKOYUNLU <i>Effect Of Electrically Driven Vehicles On Emission, Electricity Demand And Fuel Consumption Of Turkey</i>
10:00 - 10:15	Şaban PUSAT <i>Estimation of Monthly Global Solar Radiation Using Sunshine Duration for Different Climates of Turkey</i>
10:15 - 10:30	Mert SEVER, Ahmet KIRLI <i>Investigation of Active Suspension Control Strategies Only With Wheel Motion Measurements: Delayed Resonator and Ground Hook</i>
10:30 - 10:45	Zafer GÜL, Mustafa YILMAZ, Hasan KÖTEN, İ. Hakkı SAVCI <i>Advanced Numerical and Experimental Studies on CI Engine Emissions</i>
10:45 - 11:00	Coffee Break
11:00 - 12:30	<i>Oral Session 2</i>
11:00 - 11:15	Sarafadeen AZEEZ <i>Friction Stir Weld Reliability Assessment: Between Concept And Criteria</i>
11:15 - 11:30	Sarafadeen AZEEZ <i>Toward Improved Health And Quality Of Life: New Goals For Joining Technology</i>
11:30 - 11:45	Sarafadeen AZEEZ, Esther AKINLABİ <i>Quality Improvement Of Aluminum Alloy Through An Effective Gating System Design</i>
11:45 - 12:00	Sarafadeen AZEEZ <i>Heat Transfer And Material Flow Dynamics: A Novel Synergy For An Enhanced Friction Stir Welds</i>
12:00 - 12:15	Zekiye ERDEM <i>Performance Comparison Between Model Predictive Control and Classical PID Control of A DC Motor Velocity</i>
12:15 - 12:30	Burak ŞAHİN, Ömer YILDIRIM, Bülent KARATAŞ, Abdullah AKPOLAT, Nihat YILDIRIM <i>Design And Analysis Of Spur Gear Tooth Based On Macro And Micro Profile</i>
12:30 - 13:30	Lunch 3
13:30 - 14:30	<i>Oral Session 3</i>
13:30 - 13:45	Güven GONCA <i>A Theoretical Validation For of A Spark Ignition (SI) Engine With The Steam Injection Method (SIM) Based on Finite-Time Thermodynamics Model (FTTM)</i>
13:45 - 14:00	Meghdır ABED <i>A Fuzzy Logic Controller Applied To A Mobile Robot Navigation</i>
14:00 - 14:15	K. Vikas BHAT, Guru PRASATH S. <i>Pollution Control Using Alternative - Fuels in Public Transport</i>
14:15 - 14:30	Orkun ÖZENER, Muammer ÖZKAN, Emre ORAK, Emre KURAL, Laurent ALLOUCHERY, Güneş ACARBULUT <i>Istanbul Metrobus Line Fuel Consumption Optimization Via 3D Road Model by Using AVL Cruise & IPG Truck Maker Co-Simulation</i>

OCTOBER 14, 2016 YILDIZ TECHNICAL UNIVERSITY, AUDITORIUM	
09:30 - 10:45	<i>Oral Session 1</i>
09:30 - 09:45	Ufuk Taner CEYHANLI <i>Investigation Of Fatigue Behavior Of Parabolic Leaf Springs Used In Heavy Commercial Vehicles</i>
09:45 - 10:00	İbrahim ÖZER, Ersu Çağıl ŞEKERCAN, Ali GÖKŞENLİ <i>Design of a New Braking System Test Equipment</i>
10:00 - 10:15	Abdurrahman DEMİRCİ, Hüseyin Emre DOĞAN, Ömer CİHAN, Osman Akın KUTLAR, Rafig MEHDİYEV <i>The Effects Of Different Compression Ratios On The Performance And Emissions Of A Spark Ignition Engine</i>
10:15 - 10:30	Ömer CİHAN, Majid JAVADZADEHKALKHORAN, Hüseyin Emre DOĞAN, Abdurrahman DEMİRCİ, Osman Akın KUTLAR <i>Conversion of Two Rotor Wankel Rotary Engine To Single Rotor Experimental Engine and Preliminary results</i>
10:30 - 10:45	Ali DEMİR, Mustafa ERDEM, Volkan SEZER <i>Design and Experimental Validation of a Low Cost Autonomous Vehicle Testbed</i>
10:45 - 11:00	Coffee Break
11:00 - 12:15	<i>Oral Session 2</i>
11:00 - 11:15	Khaled BATAİNEH <i>Organic Rankine cycles for exhaust energy recovery of internal combustion engine</i>
11:15 - 11:30	Gizem GİDER, Yakup YÜREKTÜRK, Ali Ulaş MALCIOĞLU, Faiz MUHAFFEL, Murat BAYDOĞAN <i>Effect of Single-Step and Two-Step Austempering on Microstructure and Mechanical Properties of a High Silicon Ductile Iron</i>
11:30 - 11:45	Evren ALTINOK, Hakan KAYSERİLİ, Ahmet MERT, Serkan Ali ALTINEL <i>Lightweight Door Ring Solution in Car Body Development</i>
11:45 - 12:00	Levent AKSEL, Semra AKBULUT, Hüseyin YILDIZ, Osman SAKLI, Serkan Ali ALTINEL <i>A New Hybrid Rear Crash Beam Development Phase For Lightening Of Body Structure Weight Instead Of Conventional Steel Solutions</i>
12:00 - 12:15	Serkan Ali ALTINEL, Evren ALTINOK, Suat ÖZGEN, Beyhan MUTLU, Ahmet MERT <i>Design for Robust Production in Automotive Body Engineering</i>

Note: All poster presentations will be performed on 11th and 13th of October between 15:00 and 17:30. Participants will present their posters in Exhibition Hall.