



**7th International Advanced Technologies Symposium  
(IATS'13)  
PROGRAMME SCHEDULE**



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(IATS'13)  
PROGRAMME SCHEDULE**

<b>30.10.2013 ÇARŞAMBA/WEDNESDAY</b>	
<b>09:00-12:00</b>	<b>OPENING CEREMONY</b>
<b>12:00-13:00</b>	<b>Lunch Break</b>
<b>HALL 1</b>	
<b>ENERJİ/ENERGY</b>	
<b>13:00-13:20</b>	iats2013_60/The Effects of Various Operating Parameters on the Performance of the PEM Fuel Cell <b>H.Kahraman and I.Çevik</b>
<b>13:20-13:40</b>	iats2013_134/Investigation of Mass-Temperature-Environment Relationship of Polymeric Membrane Used in PEM Fuel Cells by DTA-TG Experiment <b>Mehmet Fırat Doğan</b>
<b>13:40-14:00</b>	iats2013_289/Numerical Analysis of the Effect of Settlements from instrumental Wind Turbine Farms <b>A.Yurtseven ve C.Geç</b>
<b>14:00-14:20</b>	iats2013_114/Geometric Optimization of Thermoelectric Power Generators <b>H. Ali and A.Z. Sahin</b>
<b>14:20:14:40</b>	iats2013_049/Condenser Cost Analysis of Power Plants Using Fuzzy Logic <b>A.Palaz and M.Demetgöl</b>
<b>14:40-15:00</b>	<b>Coffee Break</b>

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	<b>KONTROL/CONTROL</b>
	<b>HALL 1</b>
<b>15:00-15:20</b>	iats2013_033/Automatic Clustering Old and Reverse Engineered Databases by Evolutional Processing Dynamic <b>H.Asil and A.Asil</b>
<b>15:20-15:40</b>	IATS2013_067/Design Considerations of a Robotic Agent for Libraries <b>G. Tuna, S. M. Potirakis, N. –A. Tatlas, A. Tuna, R. Zogo, G. Gezer and K. Gulez</b>
<b>15:40-16:00</b>	iats2013_299/Reliability and Imbalance Modeling of a Low Pressure Turbine Rotor system by Simulation Methodology <b>V. M. S. Hussaina and V. N. A. Naikanb</b>
<b>16:00-16:20</b>	iats2013_224/Designing a Protoype Electronically Controlled Fuel Injection System for a Single Cylinder Diesel Engine <b>M.Aydin and A.Aktaş</b>

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<b>30.10.2013 ÇARŞAMBA/WEDNESDAY</b>	
<b>HALL 2</b>	
<b>MALZEME / MATERIAL</b>	
<b>13:00-13:20</b>	iats2013_023/Evaluation of Cutting Tool Wear Characteristics and Removed Chip Volumes in Drilling of AISI D2 and AISI D3 Cold Work Tool Steels <b>Ş.Okay, Y.Kaplan, A.R.Motorcu ve M.Nalbant</b>
<b>13:20-13:40</b>	iats2013_022/Statistical Evaluation of Effects of Manufacturing Parameters on Cutting Tool Wear in Drilling of AISI D2 and AISI D3 Cold Work Tool Steels <b>A.R.Motorcu, Y.Kaplan, Ş.Okay ve M.Nalbant</b>
<b>13:40-14:00</b>	iats_2013_238/The Experimental Analysis of Wear Behavior with Taguchi Method of Composites Cu/WC <b>Ali Kaya GÜR, Necmettin YİĞİTTÜRK, Fevzi Ataman BİLEN</b>
<b>14:00-14:20</b>	iats2013_106 /Experimental Research on the Impact Resistance of Cestamide Materials in Different Liquid Environments <b>M. Bozdemir and D. Turgut Öztürk</b>
<b>14:20:14:40</b>	iats2013_029/An Investigation of Microstructure and Mechanical Properties of Fe Matrix Composites Reinforced by 1% SiC <b>S.Gündüz, H.Karabulut, M.Türkmen, M.A.Erden</b>
<b>14:40-15:00</b>	<b>Coffee Break</b>

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<b>HALL 2</b>	
<b>İNŞAAT / CONSTRUCTION</b>	
<b>15:00-15:20</b>	iats2013_149/Kevlar®'ın Fiber Olarak Sıcak Asfalt Karışımlarda Kullanılabilirliği <b>N. Morova, S. Terzi, M. Saltan, D. Ö. Küçükçapraz, S. Serin, Ş. Sargin, E. Aksakal</b>
<b>15:20-15:40</b>	iats2013_152/Investigation of Relationships Between the Engineering Properties and Ultrasonic Velocity of Asphalt Concretes in the Corrosive Environment <b>E.Özgan, S.Serin, H.Gerengi ve İ.Arslan</b>
<b>15:40-16:00</b>	iats2013_196/Properties of Heavyweight Concrete Used Aggregate As A Synthetic Aggregate <b>Şemsettin Kılınçarslan, Şerife Burkan, İskender Akkurt, İ.Serkan Üncü, Kadir Günoğlu</b>
<b>16:00-16:20</b>	iats2013_147/The Effect of Casting Speed on the Formwork Lateral Pressure of Self Compacting Concrete <b>T.Kap and M.Arslan</b>
<b>16:20-16:40</b>	iats2013_146/The Effect of Reinforcement Ratio on the Formwork Lateral Pressure of Self Compacting Concrete <b>T.Kap ve M.Arslan</b>

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	<b>HALL 3</b>
	<b>DENİZCİLİK / MARITIME</b>
<b>13:00-13:20</b>	iats2013_125/Hydrodynamic Design Optimization of an Autonomous Underwater Vehicle Based on Response Surface Methodology <b>B. Alkan and M. K. İşman</b>
<b>13:20-13:40</b>	iats2013_129/Introduction and Concept Design of the “Auvtech” Istanbul Technical University Autonomous Underwater Vehicle <b>Ahmet Gültekin Avcı and Baran Serdar Sarıoğlu</b>
<b>13:40-14:00</b>	iats2013_176/Numerical Investigation of Developing Turbulent Flow Between Two Parallel Plates <b>T. Karasu</b>
<b>14:00-14:20</b>	iats2013_286/Modelling and Simulation of Main Engine Vibration using Bond Graph <b>M. E. SU, H.Elçiçek and F. Alarçin</b>
<b>14:20:14:40</b>	iats2013_082/Effects of Biodiesel Fuel Usage on Marine Engine Performance <b>G.Benek and O.A.Özsoysal</b>
<b>14:40-15:00</b>	<b>Coffee Break</b>

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	<b>HALL 3</b>
	<b>MALZEME / MATERIAL</b>
<b>15:00-15:20</b>	iats2013_283/The CrC Coating of AISI D3 Cold Work Tool Steel Surface By Pack Cementation Method and the Investigation of The Microstructure <b>Bülent Kurt, Cemal Çarboga, Emre Önder, Serkan Dal</b>
<b>15:20-15:40</b>	iats_2013_113/Corrosion Behavior of MIG Welded St37 Quality Pipe Steels <b>Tarık Menteş, Caner Tümer, Makbule Duman, Ergun Kabadayı, Harun Çuğ, Engin Çevik, Sait Özçelik, Hayrettin Ahlatcı, Mustafa Acarer, Yavuz Sun</b>
<b>15:40-16:00</b>	iats_2013_218/Artificial Aged in the AA 2014 Aluminum Alloy Electrical Properties <b>İbrahim Güneş, Muzaffer Erdoğan, Ramazan Tekin, Bekir Çengelci</b>
<b>16:00-16:20</b>	iats2013_093/Grain Refinement Applications with Al-Ti-B and Al-B on Etial 160 and Etial 220 Casting Alloys <b>M.Çolak, E.Kocaman, S.Şirin ve R.Kayıkcı</b>
<b>16:20-16:40</b>	iats_2013_253/The Comparison of Actual Data with the Data Obtained by Taguchi of Composites Cu/WC <b>Uğur Çalığülü, Ali Kaya Gür, Necmettin Yigittürk, Fevzi Ataman Bilen</b>



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<b>HALL 4</b>	
<b>KONTROL / CONTROL</b>	
<b>13:00-13:20</b>	iats2013_200/Faults Diagnosis of Bearing by Sound Analysis and Artificial Neural Networks <b>M.Ünal, M.Onat, M.Demetgül ve H.Küçük</b>
<b>13:20-13:40</b>	iats2013_034/Automatic Detection and Tracking Pedestrian in the Scene Using System with Learning Capabilities. <b>H. Dilmen and M. F. Talu</b>
<b>13:40-14:00</b>	iats2013_047/A Practical Solution for Extracting Transfer Function of an UAV Propulsion System <b>T. V. Mumcu, H. Erturk, K. Gülez</b>
<b>14:00-14:20</b>	iats2013_011/A Novel Mechanical Design and Analysis of an Exoskeletal Assistive Robot for Human Upper Limb <b>C.Şahbaz , B.C.Yalçın and E.Akdoğan</b>
<b>14:20:14:40</b>	iats2013_230/The Differences of Current-Time Characteristics in the Inverse-Time Overcurrent Relay Coordination at Substations: Hammersley Sequenced Genetic Algorithm Application <b>Barış Gürsu</b>
<b>14:40-15:00</b>	<b>Coffee Break</b>

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<b>HALL 4</b>	
<b>ELEKTRİK / ELECTRIC</b>	
<b>15:00-15:20</b>	iats2013_249/Utilization of CFD Tools for the Rehabilitation of an Existing Hydroelectric Power Plant <b>Zeynep Aytac, Ece Ozkaya, Hasan Akin, Fatma Ayancik, Kutay Celebioglu, Selin Aradag, Atilla Ozmen, Ayhan Adas, Refik Pala, Mehmet Kemikli, Adnan Cora</b>
<b>15:20-15:40</b>	İats2013_124/Fundamental Harmonic Estimation in Power System using Hybrid Zero-Crossing Methods and Taylor Series. <b>Bekir Çengelci, Ali Kırkbaş</b>
<b>15:40-16:00</b>	İats2013_239/The Modelling of Variation Inductance For Segmental Type Switched Reluctance Motors <b>H.Terzioğlu , G. Bal and S.Herdem</b>
<b>16:00-16:20</b>	iats2013_090/ELF Magnetic Fields Near Energy Transmission Lines <b>İ.Koşalay</b>
<b>16:20-16:40</b>	iats2013_061/Weibull Distribution and Composite Wind Speed Transient Stability Analysis of Wind Turbine Based on DFIG <b>M.K. Döşoğlu, S. Tosun, A. Öztürk, B. Saraçoğlu and G. Poyraz</b>

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<b>HALL 1</b>	
<b>KONTROL / CONTROL</b>	
<b>09:00-09:20</b>	iats2013_296/Broken Rotor Bar Fault Diagnosis in Induction Motors under Nonstationary Speed Conditions <b>Tufan Dogruer, Cemil Kozkurt and Mehmet Akar</b>
<b>09:20-09:40</b>	iats2013_180/Real Time Voltage Vector Selection in Hysteresis Direct Torque Control for Induction Motor <b>M. Özgür Kızılkaya, Tarık Veli Mumcu, Kayhan Gülez, Yusuf Altun</b>
<b>09:40-10:00</b>	iats2013_191/The Controlling of a Five-Phases Bi-polar Excitacional Segmental Rotor Switched Reluctance Motor by PI Controller <b>E.Büyükbıçakcı and A.F.Boz</b>
<b>10:00-10:20</b>	iats2013_290/Examine of Speed Control Performance of Permanent Magnet DC Motor with PI – Fuzzy Logic Controller by Using Different Membership Functions <b>A.Gani , H.Açıkğöz, Ö.F. Keçecioglu, M. Şekkeli</b>
<b>10:20:10:40</b>	iats2013_293/Control of Nonlinear Roll Motion via Fuzzy PID Controller <b>H.Demirel, M. E. Su and F.Alarçin</b>
<b>10:40-11:00</b>	<b>Coffee Break</b>

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<b>HALL 1</b>	
<b>BİLGİSAYAR / COMPUTER</b>	
<b>11:00-11:20</b>	İats2013_254/Web and Mobile Based Remote Monitoring System Design <b>H. Güllü ve F. Vatanserver</b>
<b>11:20-11:40</b>	iats2013_068/Design of Module Monitoring to Sensing/Actuating Microcontroller over CAN <b>T.Aydođan and M.N. Çetin</b>
<b>11:40-12:00</b>	iats2013_169/Monitoring and Controlling with Wireless Sensor Network Modules over Internet <b>T.Aydođan and M.A. Akca</b>
<b>12:00-12:20</b>	iats2013_013/Wireless Sensor Network-Based Book Tracking System for Libraries <b>G. Tuna, B. Nefzi, A. Tuna, R. Zogo, G. Gezer and K. Gulez</b>
<b>12:20-12:40</b>	iats2013_193/PIC Microcontroller Based RF Wireless System Design for Patient <b>A. Turgut Tuncer, Onur Koçak, Arif Koçođlu</b>
<b>12:40-13:40</b>	<b>Lunch Break</b>

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<b>HALL 1</b>	
<b>ÖLÇME / MEASUREMENT</b>	
<b>13:40-14:00</b>	iats2013_305/Application of Impact Test Machine on Dynamic Pressure Transducer Calibrations <b>Y.Durgut, E.Bağcı , S.Fank, and B.Aydemir1</b>
<b>14:00-14:20</b>	iats2013_027/An Analytical Approach to Design Accurate Profile of the Form-Turning Inserts <b>O.M.Bircan, M.A. Güler, Y. Karpaz</b>
<b>14:20-14:40</b>	iats2013_097/Examination of the Security Measures at Low Speeds of Elevators <b>V.Uncu ve C.Sungur</b>
<b>14:40-15:00</b>	iats2013_003/Geometric Information Acquisition from 2D Image and Design and Manufacturing Application in Reverse Engineering <b>B.Aydoğan ve C.Gölođlu</b>
<b>15:00-15:20</b>	iats2013_250/Voltage-Current Characteristic of LED According to Some Optical and Thermal Parameters at Pulsed High Currents <b>E. Ozuturk</b>
<b>15:20-15:40</b>	<b>Coffee Break</b>

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	<b>KONTROL / CONTROL</b>
<b>15:40-16:00</b>	iats2013_281/Shape Memory Alloy Control with MatLab <b>H.Özbaşaranođlu, A.Avşar, N.Akkuş, E.Toptaş</b>
<b>16:00-16:20</b>	iats2013_036/Wall Painting Robot Simulation Algorithm <b>Y.Santur , M.F.Talu</b>
<b>16:20-16:40</b>	iats2013_085/Design and Implementation of a PLC Controlled Educational Length Cutting Unit <b>R.Yenitepe ve M.Yavuz</b>
<b>16:40-17:00</b>	iats2013_028/An Evaluation of Zero Power Controlled Maglev Systems for Flexible Conveyance <b>H.F.Ertuđrul, B.Okur, K.Erkan and H.Üvet</b>
<b>17:00-17:20</b>	iats2013_194/Liner Piezoelektrik Motorun Modal ve Harmonik Analizi <b>M.R.Usal and A.Şahin</b>

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<b>MALZEME / MATERIAL</b>	
<b>09:00-09:20</b>	iats2013_262/Effect of Boriding And Aging Heat Treatment on Corrosion Behaviour of High Chromium And Nickel Cast Steel <b>E.Kabadayı, M.Acarer, Y.Sun and H.Ahlatcı</b>
<b>09:20-09:40</b>	iats2013_133/Investigation of Heat Treatment Effect on the Wear Resistance of AISI H11 Hot Work Tool Steels <b>Gülşah Aktaş, Ş. Hakan Atapek, Şeyda Polat, Enbiya Türedi</b>
<b>09:40-10:00</b>	iats2013_058/Investigation of Wear Behaviors of CrMo Steels <b>S.Ayvaz, E.Cevik1, M.Acarer, H.Ahlatcı and Y.Sun</b>
<b>10:00-10:20</b>	iats2013_298/Investigation of Microstructure and Mechanical Properties of Nodular Cast Iron Materials <b>S.Aslanlar, U.Özsaraç, F.Varol, M.Ekici and E.Ferik</b>
<b>10:20:10:40</b>	iats_2013_266/The Investigation of the Effects of Repeated Tempering on the Impact Strength of AISI 52100 Steel <b>İ. Ovalı ,M.Kaplan, Ş. Okay</b>
<b>10:40-11:00</b>	<b>Coffee Break</b>

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<b>MALZEME / MATERIAL</b>	
<b>11:00-11:20</b>	iats2013_089/Fabrication of A Micro-Magnet by Electrodeposition Technique <b>G. K. Özboduç, N. Çavuşođlu, B. O. Gürses, S. Sabancı, A. Baltacı</b>
<b>11:20-11:40</b>	iats2013_240/The Reproducibility of the Hybrid -Reinforced Metal Matrix Composite Material Via Hot Pressing Technique <b>E.Nas ve H. Gökkeya</b>
<b>11:40-12:00</b>	iats2013_136/Investigation of Microstructure Properties of NiCrBSi-TiC Composites Produced Using PM <b>Serkan Islak, Soner Buytoz, Durmuş Kır and Mehmet Akkaş</b>
<b>12:00-12:20</b>	iats2013_148/Investigation of the Wear Behavior of Self-Lubricating PTFE (TEFLON) - Coated Bushing Material <b>Kadir Güngör Ahmet Demirer, İbrahim Özsert</b>
<b>12:20-12:40</b>	iats2013_190/Physical and Mechanical Properties of Sand Dust of MDF Filled Thermoplastic Composites <b>A. Donmez Cavdar, H. Kalaycioglu, F. Mengeloglu and E. Casur</b>
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<b>MALZEME / MATERIAL</b>	
<b>13:40-14:00</b>	iats2013_219/Mechanical Properties Analysis of Aluminum Alloy AA 2017 of Artificial Aged <b>Muzaffer Erdoğan, İbrahim Güneş, Ramazan Tekin</b>
<b>14:00-14:20</b>	iats2013_220/Corrosion Behavior Analysis of Aluminum Alloy AA 7075 of Artificial Aged <b>İbrahim Güneş, Muzaffer Erdoğan, Ramazan Tekin</b>
<b>14:20-14:40</b>	iats2013_154/Exchange of the Number of Particles Depending on Cooling Time in Glass Tempering Process Using Multiple Air Jets With Small Nozzle Distance <b>Hilmi YAZICI, Mehmet AKÇAY, Mustafa GÖLCÜ, Yakup SEKMEN, Mehmet Fevzi KÖSEOĞLU</b>
<b>14:40-15:00</b>	iats2013_209/Single-lap ve Wavy-lap Bağlantılarda Kenar Yapıştırıcı Birikintisinin Bağlantı Mukavemetine Etkisi <b>Betül Taş, Anıl İmak ve Murat Yavuz Solmaz</b>
<b>15:00-15:20</b>	iats2013_228/The Application of the Mixed-Adhesive Technique with Metal Powder Filled Adhesive <b>N.Kavak</b>
<b>15:20-15:40</b>	<b>Coffee Break</b>

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<b>15:40-16:00</b>	iats2013_222/Corrosion Behavior of Al-4.5 % Cu Alloy Subjected to Grain Size Reduction by Dewatered Tincal <b>S.Varol, Z.Çavuş, S.Yaşın, H.Çuğ, Y.Sun and H.Ahlatcı</b>
<b>16:00-16:20</b>	iats2013_017/Machinability Effect on 6013 Aluminum Alloys in Aging Heat Treatment <b>B.Akyüz ve S.Şenaysoy</b>
<b>16:20-16:40</b>	iats2013_100/Experimental Investigation of the Effect of Minimum Quantity Lubrication (MQL) Used in Different Conditions on Turning Process of AA2024 Aluminum Alloy <b>Ayşegül Çakır , Selçuk Yağmur and Ulvi Şeker</b>
<b>16:40-17:00</b>	iats2013_297/Laser Treatment of Zirconia Including B4C and TIC Hard Particles at the Surface <b>Bekir S. Yilbas</b>
<b>17:00-17:20</b>	iats2013_044/A Study the Effect of Boron Addition on Wear Resistance of 304 Stainless Steel Material <b>E.Ölmez ve M.Çetin</b>

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<b>YANMA / COMBUSTION</b>	
<b>09:00-09:20</b>	iats2013_037/Experimental Investigation of Performance and Emission Improvement by Altering Ignition Timing with Use of Ethanol and LPG in an SI Engine <b>B.Erkuş, M.İ.Karamangil, A.Sürmen</b>
<b>09:20-09:40</b>	iats2013_038/Biodiesel Production from Vegetable Oils and Waste Animal Fats in a Pilot Plant <b>E. Alptekin, M. Çanakcı, H. Şanlı</b>
<b>09:40-10:00</b>	iats2013_092/Investigation of Combustion Characteristics of a HCCI Engine Fuelled with Ethanol-Gasoline Blends <b>A.Turkcan, A.N.Özsezen, M.Çanakcı</b>
<b>10:00-10:20</b>	iats2013_062/The Effect of Changing Climatic Conditions to Volumetric Efficiency with CFD Modelling <b>Vedat Demirtaş ve Hüseyin Bayrakçeken</b>
<b>10:20-10:40</b>	iats2013_073/Effects of Injection Timing on Performance and Emissions in a Diesel Engine Fuelled with Diesel Fuel-Fish Oil Methyl Ester Blend <b>Y. Sekmen and G. Demirtaş</b>
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<b>ÇELİK / STEEL</b>	
<b>11:00-11:20</b>	iats2013_024/Corrosion Behavior of Plasma Nitrided and Borided AISI M2 Steel <b>C.Özorak, İ.Güneş, M.Erdoğan, Sinan Ulu, Redovane Chegroune</b>
<b>11:20-11:40</b>	iats2013_046/Investigation of Corrosion Behavior of Borided Gear Steels <b>C.Özorak, İ.Güneş, M.Erdoğan, A.Dalar</b>
<b>11:40-12:00</b>	iats2013_267/The Investigation of the Effects of Repeated Tempering on the Wearing Resistance of AISI 52100 Steel <b>M.Kaplan, İ. Ovalı, Ş. Okay</b>
<b>12:00-12:20</b>	iats2013_081/Effects of Austenitizing Conditions on the Microstructure of Medium Carbon Dual Phase Steels <b>E. Erişir , O.G. Bilir</b>
<b>12:20-12:40</b>	iats2013_282/ The Effect of Heat Treatment Methods on Different Rates Boron Added AISI 4140 Improve Steel <b>Cemal Çarboğa, Bülent Kurt, Serkan Dal, Bilge Demir</b>
<b>12:40-13:40</b>	<b>Lunch Break</b>

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<b>HALL 3</b>	
<b>KONTROL / CONTROL</b>	
<b>13:40-14:00</b>	iats2013_119/Investigation of Static Voltage Stability Effects of Tap Changer Transformer in Power Systems <b>M.K. Döşođlu, S. Tosun, A. Öztürk, B. Saraçođlu and G. Poyraz</b>
<b>14:00-14:20</b>	iats2013_128/Intelligent Control of Quarter Car Model with MR Damper <b>M.Paksoy, R.Guclu and S.Cetin</b>
<b>14:20-14:40</b>	iats2013_295/Software Development for Simulation and Analysis of Broken Rotor Bar Fault in Induction Motors <b>Cemil Kozkurt, Tufan Dogruer and Mehmet Akar</b>
<b>14:40-15:00</b>	iats2013_300/Bir Taşıtın Lineer Grafik Yöntemi ile Modellenmesi ve Bulanık Mantıklı Kontrolü <b>S. Sezer, C. Kesici</b>
<b>15:00-15:20</b>	iats2013_035/Autonomous Control of Multi-Boat Group with Neural Networks <b>G. Gezer, K. Gulez, G. Tuna, B. Nefzi, S. M. Potirakis, N.–A. Tatlas</b>
<b>15:20-15:40</b>	<b>Coffee Break</b>

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<b>HALL 3</b>	
<b>MEKANİK / MECHANICS</b>	
<b>15:40-16:00</b>	iats2013_070/Examination of Experimental and Numerical of Tool Deflection at Ball End Milling of Convex Surface <b>A.Gok, H.I.Demirci and B.Bakır</b>
<b>16:00-16:20</b>	iats2013_001/Experimental Optimization of Machinability Parameters of Polyphthalamide (PPA) Matrix Composite Material with 30% Glass Fiber Reinforced <b>F.Fıçıcı ve Z.Ayparçası</b>
<b>16:20-16:40</b>	iats2013_144/Experimental Analysis of Ball and Journal Bearings System Dynamic Behaviors due to Loadings <b>S.Kılınç and H.Saruhan</b>
<b>16:40-17:00</b>	iats2013_145/Experimental Investigation of Length-to-Diameter Ratio Effects on Journal Bearing Stability <b>E. Gümüştas and H. Saruhan</b>
<b>17:00-17:20</b>	iats2013_287/Identification the Young's Modulus of Flax/Epoxy Bio-Composites Materials by Vibration Method <b>G.Genç, N.Akkuş ve F.Yalçın</b>

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<b>HALL 4</b>	
<b>GEMİ / SHIP</b>	
<b>09:00-09:20</b>	iats2013_096/Evaluation of Pipe Cutting Technologies Used by Shipyards with Fuzzy Logic <b>M.Kafalı ve M.Özkök</b>
<b>09:20-09:40</b>	iats2013_208 (2)/Simulation Model of Nest Cutting Activities in Shipbuilding <b>M.Özkök</b>
<b>09:40-10:00</b>	iats2013_292/Marine Gas Turbines <b>H. K. Kayadelen, Y. Üst</b>
<b>10:00-10:20</b>	iats2013_294/Macro Fractography Analysis of Fatigue Failure for High Speed Ships Propeller Shaft <b>H. Özden and U. Sönmez</b>
<b>10:20-10:40</b>	iats2013_174/Numerical Comparison of the Nominal Wake Field between Single and Twin Screw Ships <b>Z.Tacar and E.Korkut</b>
<b>10:40-11:00</b>	<b>Coffee Break</b>

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<b>HALL 4</b>	
<b>YANMA / COMBUSTION</b>	
<b>11:00-11:20</b>	iats2013_040/Bir Dizel Motorda Biyodizel ve Etanol Kullanımının Motor Performansına ve Emisyonlara Etkisi <b>P. Sekmen and M. Özdemir</b>
<b>11:20-11:40</b>	iats2013_216/Theoretical Analysis of Parameters Affecting the Water Injection Amount In Six -Time Engines With Exhaust Heat Recovery By Water Injection <b>Y.İçingür ve E.Arabacı</b>
<b>11:40-12:00</b>	iats2013_042/The Investigation of the Effects of RON 45 Fuel on the Combustion and Engine Performance in a HCCI Gasoline Engine <b>C.Çınar, A.Uyumaz, H.Solmaz</b>
<b>12:00-12:20</b>	iats2013_057/Investigation of Using Crambe Species as Alternative Biodiesel Fuel <b>A.Uyarođlu and İ. Çelikten</b>
<b>12:20-12:40</b>	iats2013_084/The Effect of Leaks in the Exhaust Pipe to Gas Flow Characteristics with CFD Modelling <b>Vedat Demirtaş, Hüseyin Bayrakçeken, Bilge Albayrak Çeper</b>
<b>12:40-13:40</b>	<b>Lunch Break</b>



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<b>HALL 4</b>	
<b>MEKANİK / MECHANICS</b>	
<b>13:40-14:00</b>	iats2013_069/Designing and Realization of Regenerative Braking Systems in Electric Vehicles <b>T. Alagöz, A. Ürkmez, F. A. Kazan and C. Sungur</b>
<b>14:00-14:20</b>	iats2013_211/Stewart Platformu Tabanlı Paralel Kinematik Takım Tezgahı İçin Çalışma Uzayı Analizi <b>Ö. Erkan, C. Göloğlu, M. Toz</b>
<b>14:20-14:40</b>	iats2013_103/Precision Evaluation of Force and Vibration Analysis in Parallel Kinematic Machine Tools Owing Different Joint Types <b>Ö. Erkan ve C. Göloğlu</b>
<b>14:40-15:00</b>	iats2013_019/Aerodynamic Analysis of Rear Diffusers for a Passenger Car by Using CFD <b>B.Alkan and M. K. İşman</b>
<b>15:00-15:20</b>	iats2013_074/Camshaft Change for Four-Stroke Engine to Convert Six-Stroke Engine <b>Y.İçingür ve E.Arabacı</b>
<b>15:20-15:40</b>	iats2013_271/Investigation of the Rapid Quenching Time and Flow Characteristics According to Different Reynolds Numbers in Auto Glass Tempering Process <b>Mehmet Akçay, Hilmi Yazıcı, Mustafa Gölcü, Yakup Sekmen, Mehmet Fevzi Köseoğlu</b>
<b>15:40-16:00</b>	<b>Coffee Break</b>

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<b>HALL 4</b>	
<b>İNŞAAT / CONSTRUCTION</b>	
<b>15:40-16:00</b>	iats2013_078/Dynamic Analysis of Cable-Stayed Steel Footbridge under the Pedestrian Loads and its Application <b>B.Güneş</b>
<b>16:00-16:20</b>	iats2013_261/A Parametric Study on Dynamic Response of Bridges Subjected to High Speed Trains <b>V. Kahya, O. Araz ve M.Turan</b>
<b>16:20-16:40</b>	iats2013_280/Utilization Availability and Performance Evaluation of Laminated Wood Beams as Structural Bearers in Construction Sector <b>S.Subaşı, Ö.Güner, A.Subaşı and Ş.Eren</b>
<b>16:40-17:00</b>	iats2013_095/Evaluation of Repair of Prefabricated Beam Column Connections in Factory Buildings <b>Z.Firat Alemdar</b>

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<b>HALL 1</b>	
<b>GÖRÜNTÜ İŞLEME / IMAGE PROCESSING</b>	
<b>09:00-09:20</b>	iats2013_226/Improvement of Thermal Camera Images <b>M.Çalışan and İ.Türkoğlu</b>
<b>09:20-09:40</b>	iats2013_121/The Movements of Object Positions to Demonstrate Using the Image Processing with the Microcontroller Based Systems <b>A.B.Yelken, B. Çobanoğlu and M.Yeşilyurt</b>
<b>09:40-10:00</b>	iats2013_304/Automated Nanofiber Diameter Determination <b>M. E. Kamaşak, Y. E. Kıyak, İ. Yıldırım1, E. Öznergiz</b>
<b>10:00-10:20</b>	iats2013_272/Fault Detection of Textile Fabrics with Thermal Base Image Processing <b>K.Yıldız, A.Buldu ve M.Demetgül</b>
<b>11:00-11:20</b>	<b>Coffee Break</b>

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	<b>01.11.2013 CUMA/FRIDAY</b>
	<b>HALL 2</b>
	<b>MALZEME / MATERIAL</b>
<b>09:00-09:20</b>	iats2013_045/Investigation of Tribological Properties and Characterization of Borided AISI 420 AND AISI 5120 Steels <b>C.Özorak, İ.Güneş, M.Erdoğan</b>
<b>09:20-09:40</b>	iats2013_059/The Metallurgical Properties in the Laser Lap Welding of Steel and Aluminum <b>N.Çavuşoğlu and H.Özden</b>
<b>09:40-10:00</b>	iats2013_063/Investigation of Blast Furnace Flue Dusts Suitability for Composite Pellets Production <b>G.Doğantepe, E.Cevik, E. Arancı, M.Boyrazlı, H. Gökçe, H. Ahlatcı ve Y. Sun</b>
<b>10:00-10:20</b>	iats2013_273 An Experimental Study on Salting and Drying of Rainbow Trout <b>Murat Erdem ve Yasin Varol</b>
<b>10:20:10:40</b>	iats2013_039/Bio-oil Production from European Larch (Larix decidua) Sawmill Residues by Slow Pyrolysis <b>M. Ertas and M.H. Alma</b>
<b>11:00-11:20</b>	<b>Coffee Break</b>

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<b>01.11.2013 CUMA/FRIDAY</b>	
<b>HALL 3</b>	
<b>BİLGİSAYAR / COMPUTER</b>	
<b>09:00-09:20</b>	iats2013_079/Dynamic Stored Procedures, Why and How? <b>H.Asil and A.Asil</b>
<b>09:20-09:40</b>	iats2013_164/Improving Health Information System for Mobile <b>F. Aksoy , İ. Türkoğlu</b>
<b>09:40-10:00</b>	iats2013_006/A Decision Support System for Bank Credit Approval by Using Expert Systems. <b>H.Özkan and C.Sungur</b>
<b>10:00-10:20</b>	iats2013_274/A Mobile Expert System Design for Diabetics <b>A. Varol ve M. M. Karakoç</b>
<b>10:20:10:40</b>	iats2013_288/Developing Electronic Signature Application on Android <b>M.Sağır ve Y.Becerikli</b>
<b>10:40:11:00</b>	iats2013_138/Investigation the Effect of Using DHCP Snooping in Big Networks <b>F. Ertam, H. Dilmen ve E. Avcı</b>
<b>11:00-11:20</b>	<b>Coffee Break</b>

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<b>HALL 4</b>	
<b>DiĞER / OTHERS</b>	
<b>09:00-09:20</b>	iats2013_105/The Comparison of the Erbium Doped Fibers with Different Concentration <b>Y. A. Özođlu ve M. Yücel</b>
<b>09:20-09:40</b>	iats2013_107/Investigation of Different Orgin Type Fabrics of Radiation Shielding <b>Şemsettin Kılınçarslan, Tuba Molla, Feyza Akarslan, İskender Akkurt</b>
<b>09:40-10:00</b>	iats2013_051/Calculation of Photon Radiation Attenuation of Special Glasses by Using WinXCOM <b>Ş. Ermiş and F. Demir</b>
<b>10:00-10:20</b>	iats2013_197/Quantitative Determination of PCBs in Transformer Oils <b>V. Pelitli, Ö. Dođan, and H. J. Körođlu</b>
<b>10:20:10:40</b>	iats2013_111/The Improvement of the Zero-Crossings in Frequency Prediction with Lagrange Interpolation <b>Bekir Çengelci, Serkan Çaşka</b>
<b>10:40:11:00</b>	iats2013_302/Characterization of the Mechanical Response of Composite (Glass Fiber/Epoxy Resin) Subjected at Different Hygrothermal Environment <b>A.Naceri</b>
<b>11:00-11:20</b>	<b>Coffee Break</b>

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	<b>01.11.2013 CUMA/FRIDAY</b>
<b>11:20- 11:50</b>	<b>CLOSING CEREMONY</b>
<b>11:50- 13:30</b>	<b>Lunch Break</b>
<b>13:30- 17:30</b>	<b>THE BOSPHORUS BOAT TOUR</b>

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<b>POSTER SCHEDULE</b>	
<b>30.10.2013 ÇARŞAMBA/WEDNESDAY</b>	
<b>(13<sup>00</sup>-15<sup>00</sup>)</b>	<b>iats2013_012/Developments of Dual-Phase Steel Microstructures during Very Rapid Heating with Short Annealing Time</b> <b>Bilge Demir</b>
	<b>iats2013_303/Effect of Artificial Pozzolan (Waste Brick) on the Physico-Chemical Properties of Cement</b> <b>M.Chikouche Hamina</b>
	<b>iats2013_231/The Education and Training of Renewable Energy Resources for Sustainable Development in Turkey</b> <b>M. A. Alkan, M. Yumurtacı and A. Keçebaş</b>
	<b>iats2013_088/3D Electromagnetic Analysis of Electrohydraulic Servo Valve Torque Motor</b> <b>H.F.Ertuğrul, B.Okur and K.Erkan</b>
	<b>iats2013_080/Economic Assessments for External Wall Used Blocks Having Insulation Capability</b> <b>M. Kayfeci, A. Keçebaş and M. A. Alkan</b>
	<b>iats2013_020/Production of AIB2/Al Composites by Squeeze-Filtering Casting</b> <b>R. Kayıkcı ve Ö. Savaş</b>
<b>(15<sup>00</sup>-17<sup>00</sup>)</b>	<b>iats2013_163/ Corrosion Behaviour Effects In Microwave Furnace of Artificial Aging Method of AA 7075 Aluminum Alloy</b> <b>Muzaffer Erdoğan, İbrahim Güneş, Ramazan Tekin,</b>
	<b>iats2013_195/Effect of Sliding Speed on Wear Behavior of Plasma Nitrided and Borided AISI M2 Steel</b> <b>C.Özorak, İ.Güneş, M.Erdoğan</b>
	<b>iats2013_099/Experimental Investigation of the Effect of Drill Geometry on The Surface Roughness and Drilling Torque</b> <b>Sakıp Köksal, Ferit Fıçıcı</b>
	<b>iats2013_064/The Investigation of the Mechanical Properties of the Ferrous Materials of Railroad Vagon Bumpers</b> <b>A. Esenkar ve B. Demir</b>



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	<p style="text-align: center;"><b>iats2013_150/Effects of 200 °C Temperature on The Compressive Strengths of Chemical Additive Concrete</b> <b>İ.Bekem and M.Arslan</b></p>
	<p style="text-align: center;"><b>iats2013_310/Investigation of The Effects of Steam Injection Into The Supercharged Diesel Engine with Running Miller Cycle on Performance And Emissions</b> <b>Güven Gonca, Adnan Parlak, Bahri Şahin, Yasin Üst, Vezir Ayhan, İdris Cesur</b></p>
	<p style="text-align: center;"><b>iats2013_311/Increasing the Cooling Quality in Injection Moulding by New Developed AirCore</b> <b>A.Saygılı, Z.Utlu, B.B.Kanbur, T.Birtane</b></p>

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**31.10.2013 PERŞEMBE/THURSDAY**

<b>(09<sup>00</sup>-11<sup>00</sup>)</b>	<p style="text-align: center;"><b>iats2013_242/Toz Metalurjisiyle Üretilen Alüminyum Kompozitlerin Yoğunluk Değerlerinin Yapay Sinir Ağı Modellemesi ile Tahmini</b> <b>U.Soy, A.Demir and O.Bayram</b></p>
	<p style="text-align: center;"><b>iats2013_244/The Investigation of the Trip Steel Producability</b> <b>Burak İldir, Ercan Erden, Cemal Çarboğa ve Bilge Demir</b></p>
	<p style="text-align: center;"><b>iats2013_161/ Investigation of Wear Behaviours of Polyamide-6 Composite Materials Filled with</b> <b>Aslan Çoban, Ahmet Demirer and Ferit Fıçıcı</b></p>
	<p style="text-align: center;"><b>iats2013_130/Corrosion Behaviors of Borided Martensitic Stainless Steel</b> <b>C.Özorak, İ.Güneş, M.Erdoğan, Sinan Ulu, Atıla Gürhan</b></p>
	<p style="text-align: center;"><b>iats2013_301/Influence of Heat Treatment on Brittle Fracture Welding Cords of Constructional Steels</b> <b>M. Zaoui and N. Menasri</b></p>

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	<p><b>iats2013_104/Effect of Welding Parameters on Mechanical Properties of DP 600 Steel Sheets Joined by Resistance Spot Welding</b> <b>Salim Aslanlar, Uğur Özseraç, Faruk Varol, Erdiñç İlhan</b></p>
(11 <sup>00</sup> -14 <sup>00</sup> )	<p><b>iats2013_041/The Investigation of Using GTL Blended Diesel Fuel in a Diesel Engine</b> <b>A.Uyumaz,Ö. Can, C. Çınar, B. Yavuz</b></p>
	<p><b>iats2013_202/3+1 Education Model in Sakarya University Vocational High Schools: Evaluation of the Model for Karasu Vocational High School Department of Computer Technologies and Programming</b> <b>E.Büyükbıçakcı</b></p>
	<p><b>iats2013_108/Finding and Repairing of Distortion-Induced Fatigue Cracks and the Analysis of Fatigue Life in Bridge with Steel Girder</b> <b>F.Alemdar, A.B.Matamoros, C.R.Bennett and S. Rolfe</b></p>
	<p><b>iats2013_009/A New License Plate Recognition System Using Artificial Neural Networks</b> <b>İ. Türkyılmaz and K. Kaçan</b></p>
	<p><b>iats2013_229/The Comparison of Halton Sequenced Genetic Algorithms and Differential Evolution Algorithm in Inverse-Time Selective Overcurrent Relay Coordination Application</b> <b>Barış Gürsu</b></p>
(14 <sup>00</sup> -16 <sup>00</sup> )	<p><b>iats2013_183/Thermodynamic Analysis and Evaluation of Organic Rankine Cycle at Different Modelssi</b> <b>Ahmet Hakan Tüzün</b></p>
	<p><b>iats2013_192/PIC Controlled Stabilization of the Internal Temperature of A Beehive Using Thermoelectric Module</b> <b>A.Özkul, H.Demirel and H.Altinkaya</b></p>
	<p><b>iats2013_048/Investigation of Pipe Corrosion Resistance Used Heat Transfer in Steam Boilers</b> <b>M.Meydo ve M.Yaşar</b></p>
	<p><b>iats2013_172/Necessity of Using of Hydrogen and Fuel Cell Technologies in Turkey</b> <b>Mehmet Fırat Doğan</b></p>

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<b>iats2013_140</b> /The Effect on Engine Lubrication Oil of Used Alternative Fuels for Internal Combustion Engine <b>İlker Temizer ve Cumali İlkılıç</b>
<b>iats2013_021</b> /Investigation of Joinability By Friction Welding Method of AISI 420/ AISI 4340 Steel Couple <b>N. Kati and S.Ozan</b>
<b>iats2013_015</b> /AA 2024 Aluminum Alloy of Artificial Aging Method Effects on Mechanical Properties <b>İbrahim Güneş, Muzaffer Erdoğan, Ramazan Tekin</b>
<b>iats2013_016</b> /AA 6082 Aluminum Alloy Artificial Aging Method The Effect Of Electrical Properties <b>Muzaffer Erdoğan, İbrahim Güneş, Ramazan Tekin, Bekir Çengelci</b>
<b>iats2013_160</b> /Microstructural Investigations for a Medium Carbon Dual Phase Steel <b>E. Erişir, M. Sezen, O.G. Bilir</b>
<b>iats2013_065</b> /Using Balance, Speed, Sound and Lighting Automation, Improvement of Security and Reliability in Lift Systems <b>H. Özyıldız ve N. İmal</b>
<b>iats2013_306</b> /Bir Benzin Motoruna Buhar Enjeksiyonunun Etkilerinin İncelenmesi <b>İdris Cesur, Adnan Parlak, Vezir Ayhan, Barış Boru</b>
<b>iats2013_153</b> /Vibration Reduction of Bridges under High Speed Trains using Tuned Mass Dampers <b>V. Kahya, O. Araz ve M. Turan</b>

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**POSTER SCHEDULE**

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**iats2013\_198/Evaluation of Contact Models on Wheel Rail Pairs in Railways  
E. Yücel ve C. Göloğlu**

**iats2013\_260/New Generation Fiber Reinforced Polymer Bars for Concrete  
Reinforcement  
H. Yılmaz Aruntaş, Ahmet Beycioğlu, Serkan Subaşı**

**iats2013\_166/Modeling and Active Control of a Magnetically Levitated Iron  
Ball  
O.Terzioglu H.F.Ertuğrul B.Okur and K.Erkan**

**iats2013\_014/Use of a Casting Simulation System in Molding Design of  
A356 Cast Aluminium Alloy Parts  
M.Çolak and R.Kayıkcı**

**iats2013\_025/AlB2/Al-Cu Kompozit Malzemelerin Abrasif Aşınma  
Davranışlarının İncelenmesi  
Ferit Fıçıcı, Sakıp Köksal, Ömer Savaş and Ramazan Kayıkcı**

**iats2013\_115/An Effect of Post Weld Heat Treatment on the Toughness of  
Friction Welded Drilling Pipe  
H.Ertek Emre ve R.Kaçar**

**iats2013\_201/Safety and Health Issues Involve in Handling Hydrogen Fuel  
Tahir Ayar**

**iats2013\_307/Search Engine Optimization for Websites with Genetic  
Algorithm  
F.Horasan and S.Tüncel**

**iats2013\_308/Evaluation of Solar Radiation Models and for Estimating of  
Monthly Total PV System Energy  
Zehra Yumurtacı and Erman Ertaş**

**iats2013\_309/Investigating the Thermal Conductivity of Reinforced Concrete  
Models with Numerical and Experimental Methods  
B.B.Kanbur, S.O.Atayılmaz, H.Demir, A.Koca and Z.Gemici**

(09<sup>00</sup> -12<sup>00</sup>)

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QUESTIONS & NOTES**



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QUESTIONS & NOTES**



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**30 October - 1 November 2013**  
**Yıldız Technical University**  
**İstanbul, TURKEY**

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