





Meeting ID: 962 4742 2020

Passcode: 690009

TIME	SPEAKER
10:00-10:10	Assoc. Prof. Dr. Yucel Ozbek Conforence Chair
10:10-10:20	Prof. Dr. Recep Sadeler Dean of The Engineering Faculty, Ataturk University
10:20-10:30	Prof. Dr. Mohd Nizar Hamidon Director of the Institute of Advanced Technology (ITMA), UPM
10:30-10:40	Prof. Dr. İrfan Kaymaz Deputy Rector, Erzurum Technical University
10:40-10:50	Prof. Dr. Ir. B.T. Hang Tuah Baharudin Deputy Vise Chancellor, UPM
10:50-11:00	Prof. Dr. Mustafa Sözbilir Deputy Rector, Ataturk University

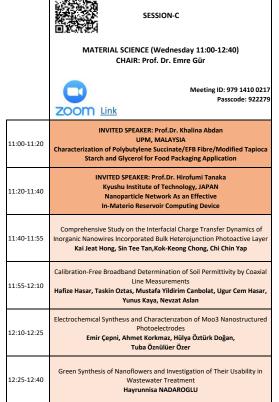
ISASE 2021 Program: Wednesday (11:00-12:40), 07 April 2021

SESSION-B



11:00-11:20	INVITED SPEAKER: Dr. Basuki Rachmatul Alam ITB, INDONESIA Non-Linearity Assessment of Class E Switching Gan HEMT RF Amplifier For Broadband Transponder
11:20-11:35	ROS Based SLAM and Navigation for Automated Guided Vehicle Simulated with Gazebo Abdullah Başçi, İbrahim Öztürk
11:35-11:50	Switching Sequence and Modulation Techniques of Modular Multilevel Converter Nasiru Bello Kadandani
11:50-12:05	Design and Optimization of CPW-Fed Patch Printed Antenna for Underwater Communication Nor Hidayah Daud,Alyani Ismail,Aduwati Sali,Mohd Hafizal Ismail, Elfarizanis Baharudin
12:05-12:20	High Gain Receiving Antenna Developed for ISAR Applications Using 2.4 GHz WLAN Signals Goker Sener





All times are listed in Turkey Local Time (GMT+3). The North America Central Time Zone is 8 hours earlier. Malaysia Local Time is 5 hours ahead.

ISASE 2021 Program: Wednesday (13:00-14:35), 07 April 2021

	SESSION-A CHEMICAL ENG. (Wednesday 13:00-14:35) CHAIR: Assist. Prof. Hatice Bayrakçeken			SESSION-B MECHANICAL ENG. (Wednesday 13:00-14:35) CHAIR: Assoc. Prof. Dr. Halim Kovacı		SESSION-C PHYSICS (Wednesday 13:00-14:40) CHAIR: Prof.Dr. Emre Gür
	Meeting ID: 942 4732 7912 Passcode: 390681		_	Meeting ID: 950 8767 9861 Passcode: 016834		Meeting ID: 993 1329 8843 Passcode: 630289
13:00-13:20	INVITED SPEAKER: Prof. Dr. Ayşe Bayrakçeken Yurtcan AU, TURKEY Effects of Nitrogen Doping of Carbon Supports on PEM Fuel Cell Performances		13:00-13:20	INVITED SPEAKER: Prof. Dr. Mohd Nizar Bin Hamidon UPM, MALAYSIA Passive Surface Acoustic Wave Resonator Platform for Wireless Sensor Applications	13:00-13:2	INVITED SPEAKER: Assoc. Prof. Dr. Khamirul Amin Matori UPM, MALAYSIA Glass Ionomer Cement Using Alumino-Silicate-Fluoride Based Glass Ceramics
13:20-13:35	Application of Copperas As Chemical Coagulant for Industrial Water Treatment Mohd Hakim Che Harun, Sofiah Hamzah, Nurul Aqilah Mohamad		13:20-13:35	Boiler Efficiency and CO2 Emission with Different Types of Bituminous Coal at Thermal Coal Fired Power Plant Salmi Samsudin, Nuraini Abd Aziz, Abdul Aziz Haıruddin, Siti Ujila Masuri	13:20-13:4	INVITED SPEAKER: Assoc. Prof. Dr. Suhaidi Shafie UPM, MALAYSIA Dye Sensitized Solar Cell Efficiency Enhancement
13:35-13:50	Modification of Bentonite: Effect of Different Treatments on the Adsorption Ability - A Mini Review Alizat Ikhwan Bin Abdul Jalil, Suzylawati Binti Ismail		13:35-13:50	3D Printing: Functionality Graded Materials (FGM) via Fused Deposition Modelling (FDM) Zairul Amri Zakaria, B T Hang Tuah Baharudin, Mohd Khairol Ariffin,Mohd Idris Shah Ismail, Napsiah Ismail		Anthocyanin of Natural Dyes As Photosensitizer for Solar Cell Application Nurul Alfatihah Mohd Arifin, Hasiah Salleh, Ahmad Nazri Dagang
13:50-14:05	Utilization of Used Plastic and Glass Wastes with Sand As An Alternative Composites Materials in the Brick Industry Badiea Abdullah M., Ibtisam Nustafa Kamal, Aamer Hayel Ali, Adel Ali Ahmed		13:50-14:05	Crease Lines Effect to the Energy Absorption of Thin-Walled Structures Siti Marhainis Abu Mansor, Nuraini Abdul Aziz, Azmah Hanim Mohamed Ariff	13:55-14:1	Titanium Oxide Plasma Treated to Enhance Performance of Hybrid Solar Cells Nur Salihah Alias, Ahmad Nazri Dagang, Hasiah Salleh
14:05-14:20	Review on the Potential of Superhydrophilic Polymeric Mixed Matrix Membrane in Loop Heat Pipe Application for Miniaturized Cooling System Nor Aini Ahmad, Syamsul Rizal Abd Shukor		14:05-14:20	Three Dimensional (3D) Simulation and Analysis of Turning Process Using Finite Element Method Yavuz Kaplan	14:10-14:2	Minor Criteria of Erbium Oxide Determining the Zinc Tellurite Glass Performance Nazirul Nazrin Shahrol Nidzam, Halimah Mohamed Kamari, Masera Marian Mukhtar
14:20-14:35	A New Heat Sink Design for Cooling Microprocessors and Investigation of Cooling Performance Mehmet Emin Arzutug, Abdullah Başçi		14:20-14:35	Effect of Different Penetrator Shapes on the Quasi-Static Perforation Response of Bilayer Plates Nahit Öztoprak	14:25-14:4	Effect of Sb Doping on the Surface Morphology, Structural, Electrical Properties of Zinc Oxide Thin Films Elif Akarsu, Mehmet Ertuğrul

All times are listed in Turkey Local Time (GMT+3). The North America Central Time Zone is 8 hours earlier. Malaysia Local Time is 5 hours ahead.

ISASE 2021 Program: Wednesday (15:00-16:40), 07 April 2021

	SESSION-A ELECTRICAL ENG. (Wednesday 15:00-16:40) CHAIR: Prof.Dr. Bulent Cavusoglu Meeting ID: 916 8536 5948 Passcode: 016470			SESSION-B CHEMISTRY (Wednesday 15:00-16:20) CHAIR: Assoc. Prof. Dr. Mehmet Yılmaz Meeting ID: 937 5380 4069 Passcode: 723827			SESSION-C CIVIL ENG. (Wednesday 15:00-16:20) CHAIR: Assist.Prof.Dr. Dilek Okuyucu Meeting ID: 986 4327 5856 Passcode: 884423
15:00-15:20	INVITED SPEAKER Prof. Dr. Ahmet Cansız ITU, TURKEY Decision Making Mechanisms in Hybrid Energy Storage Technologies		15:00-15:20	INVITED SPEAKER: Assoc.Prof.Dr. Badiea A. Mohammed TU, YEMEN Utilization of Used Plastic and Glass Wastes with Sand As An Alternative Composites Materials in the Brick Industry		15:00-15:20	INVITED SPEAKER: Dr. Mohammed Alrubaidi SU, YEMEN Investigation of Different Steel Simple Connections Under Column-Loss Scenario: Considering The Effects of A Transverse Beam
15:20-15:35	Integral Terminal Sliding Mode Controller for Unmanned Ground Vehicle Abdullah Başçi, Kaan Can, Hayriye Tuğba Sekban		A Study of Cure Kinetics of Polyurethane/Epoxy Compositions Filled With Modified Boron Nitride Nikita Bratasyuk, Vjacheslav Zuev		15:20-15:35	Short-Term Dynamics of Pore-Water Pressure Due to Diurnal Temperature Changes in Soil Slopes Nuraddeen Babangida, Khamaruzaman Yusof, Raza Mustapha	
15:35-15:50	Performance Evaluation of Microstrip Antenna Based on Different Shapes of Defected Ground Structure (DGS) at 28 GHz Alyani Ismail, Mohd Fadlee Rasid, Mohd Nizar Hamidon, Raja Abdullah, Nafaa Shebani		15:35-15:50	Preparation of Manganese-Containing Magnetic Nanocomposites for Biomedical Applications Okan Icten		15:35-15:50	The Effect of Waste Mineral Additives and Long-Term Moisture Insulation in Volcanic Ash-Based Geopolymer Concretes s Yavuz Yegin, Rıza Polat, Fatma Karagöl
15:50-16:05	Facile Design of a Metamaterial Absorber for X-band Radar Applications Aykut Coşkun, Ahmet Teber, Mehmet Ertuğrul		15:50-16:05	Positron Annihilation Lifetime Spectroscopy: A Sensitive Probe to Determine Free Volume Holes in Polymers Meshude Akbulut Söyleme z		15:50-16:05	Effects of the Damping Coefficient on Interconnected Adjacent Buildings for Different Soil Conditions Yavuz Selim Hatipoğlu, Oğuz Akın Düzgün
16:05-16:20	Inverter Based OTA Design for Second-Order Gm-C Filters Mesut Atasoyu		16:05-16:20	Effective Desulfurization of Coal with Oak Ash Gizem Hazan Çağlayan, Ubeyde İpe k		16:05-16:20	Shear Wall Effectiveness of Reinforced Concrete Structures Barış Erdil, Yusuf Gündüz
16:20-16:40	INVITED SPEAKER: Prof.Dr. Burak Özpineci ORNI, USA Wired and Wireless Extreme Fast Chargers						

All times are listed in Turkey Local Time (GMT+3). The North America Central Time Zone is 8 hours earlier. Malaysia Local Time is 5 hours ahead.

ISASE 2021 Program: Wednesday (17:00-18:35), 07 April 2021

	SESSION-A MATERIAL SCIENCE (Wednesday 17:00-18:40) CHAIR: Prof. Dr. Mehmet Ertuğrul		SESSION-B MATERIAL SCIENCE (Wednesday 17:00-18:35) CHAIR: Assist.Prof.Dr. Aslı Yılmaz
	Meeting ID: 970 3962 6466 ZOOM Link Passcode: 727226		Meeting ID: 988 2990 6285 Passcode: 598222
17:00-17:20	INVITED SPEAKER: Prof. Dr Vincenzo Guidi FU, ITALY Recent Trends About Gas Sensing Through Semiconductor	17:00-17:20	INVITED SPEAKER: Prof.Dr. Javier Campo ZU, SPAIN Stabilization by Thermal Fluctuations of A New Skyrmionic Phase at Low Temperature in Cubic Helimagnets: Are New Phases Still Waiting to Be Discovered?
17:20-17:40	INVITED SPEAKER Prof.Dr. Varga Kalman VU, USA Coupled Maxwell and Density Functional Description of The Interaction of Light and Nanostructures	17:20-17:35	Investigation of the Half-Metallicity in Ca1-xVxS Compounds (X = 0,0.25, 0.5 and 0.75): A DFT Study Chaib Youness
17:40-17:55	Numerical Simulation of Organic-Inorganic Lead Halide Perovskite (CH3 NH3 Pbl3) Solar Cells Using 1D-SCAPS Simulator Hajar Benali, Bouchaib Hartiti, Fatima Lmai, Hicham Labrim, Philippe Thevenin	17:35-17:50	The Use of Low-Cost Technique to Prepare Pure TiO2 Thin Films Youssef Doubi, Bouchaib Hartiti, Maryam Siadat, Hicham Labrim,Salah Fadili, Mounia Tahri, Amine Belfhaili, Philippe Thevenin
17:55-18:10	Effect of Thiourea Concentration on Characteristics of Czts Thin Layer Prepared by Low Cost Sol Gel Method for Solar Energy Applications Ahmed Ziti, Bouchaib Hartiti, Hicham Labrim, Abdelkrim Batan, Salah Fadili, Abderraouf Rıdah, Mounia Tahri, Amine Belafhaili, Philippe Thevenin	17:50-18:05	A DFT Study of Electronic and Optical Properties of Si-Doped ZnS for Solar Device Abdessamad Najlm, Bouchaib Hartiti, Mehmet Ertugrul, Hicham Labrim, Salah Fadili, Philippe Thevenin
18:10-18:25	The Effect of Window Film on Building Energy Consumption in Hot Climate Zone Kübra Sümer Haydaraslan, Yalçın Yaşar	18:05-18:20	Copper Oxide Thin Films on Silicon Substrate by Pulsed Laser Deposition Mustafa Tolga Yurtcan, Gökhan Uygur
18:25-18:40	Examination of the Effect of Heat Treatment Process on High Temperature- High Activity Nickel Aluminide Coating on CM247LC Ahmet Arda Inceyer, Gökhan Güven, Kaan Demiralay, Havva Kazdal Zeytin, Metin Usta	18:20-18:35	A New Technique For Fire Detection In Airplanes Mehmet Masat, Mehmet Ertuğrul

All times are listed in Turkey Local Time (GMT+3). The North America Central Time Zone is 8 hours earlier. Malaysia Local Time is 5 hours ahead.

ISASE 2021 Program: Thursday (09:00-10:40), 08 April 2021

SESSION-B



An Iterative Method Based on Hazy Image Model for Remote Sensing

Image Enhancement

Yasin Demir, Nur Hüseyin Kaplan

Weighting Of Questions With Fasttext Algorithm In Multiple Choice Exams

Adem Canpolat, Barış Özyer

Distance Measument with Optic Sensor

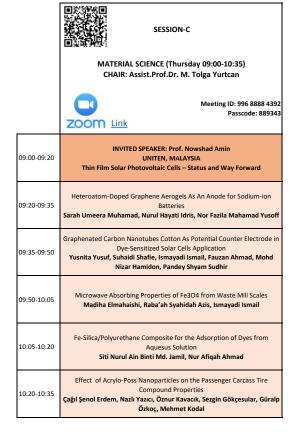
Atıl Emre Coşsun, Hasan Demir

09:50-10:05

10:05-10:20

10:20-10:35



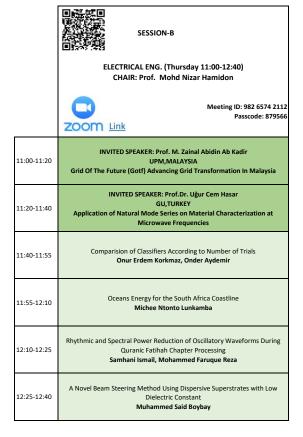


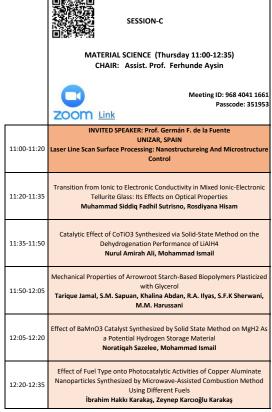
All times are listed in Turkey Local Time (GMT+3). The North America Central Time Zone is 8 hours earlier. Malaysia Local Time is 5 hours ahead.

ISASE 2021 Program: Thursday (11:00-12:40), 08 April 2021



11:00-11:20	INVITED SPEAKER: Prof. Marwan Dhamrin OU, JAPANESE Screen-Printed Group IV Semiconductors on Silicon
11:20-11:40	INVITED SPEAKER: Assoc. Prof. Dr. Jumril Yunas
11:40-11:55	LBM Simulation of Fluid Division by Baffle in L Shape Cavity Shayan Naseri Nia, Faranak Rabiei, Mohammad Mehdi Rashidi
11:55-12:10	Effect of Surface Treatment on Ti Substrates for Dye Sensitized Solar Cell under Back Illumination Method Izad Syahrul Ariffin Mohd Ismail, Nor Hapishah Abdullah, Mohd Nizar Hamidon, Suhaidi Shafie, Adam Tan Mohd Amin, İzzatul Hidayah Azizan
12:10-12:25	Pt/Graphene Catalysts Prepared by Supercritical Deposition with Different Pt Precursors Meryem Samancı, Ayşe Bayrakçeken Yurtcan
12:25-12:40	Hydrogen Purification and Compression Methods for Future Energy Yasemin Aykut, Ayşe Bayrakçeken Yurtcan





All times are listed in Turkey Local Time (GMT+3). The North America Central Time Zone is 8 hours earlier. Malaysia Local Time is 5 hours ahead.

ISASE 2021 Program: Thursday (13:00-14:35), 08 April 2021

SESSION-B



Slow Pyrolysis of Disinfected COVID-19 Non-Woven Polypropylene (PP)

Waste

M.M. Harussani, S.M. Sapuan, A. Khalina, U. Rashid, J. Tarique

Advances in Fabric Face Mask Combatting COVID-19: A mini Review

Syahida Farhan Azha, Suzylawati Ismail

Cubic-Like Mn2O3 As An Anode for Sodium-Ion Batteries Applications

Nor Fazila Mahamad Yusoff, Nurul Hayati Idris

First Principle Calcuation and analysis of electronic and optical

structure of Cd doped ZnO thin films
Serdar AYDIN

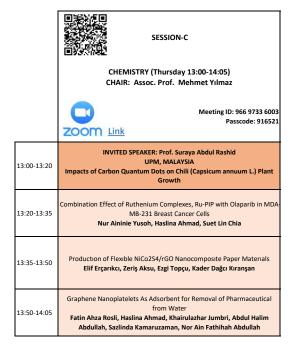
13:40-13:55

13:55-14:10

14:10-14:25

14:20-14:35

	CIVIL ENG. (Thursday 13:00-14:35) CHAIR: Prof. Mehmet Hamit Özyazıcıoğlu
	Meeting ID: 975 6696 2083 Passcode: 465117
13:00-13:20	INVITED SPEAKER: Prof. Abdulkadir Cüneyt Aydın AU, TURKEY Phenomenological Aspects of Thin-Walled Cylindrical Shells: Buckling Behavior
13:20-13:35	Investigation of Floor Vibrations of Steel Structure Under Earthquake Oğuzhan Çelebi, Barış Bayrak, Abdulkadir Cüneyt Aydın
13:35-13:50	Operational Modal Analysis of A Historic Turkish Cupola Dilek Okuyucu, Memduh Şenol Çavdar, Zabiullah Fakuori, Erdem Erkmen, Dursun Burak Özdoğan, Yusuf Gedik, Meliha Yılmaz, Burak Şahin
13:50-14:05	Operational Modal Analysis of An Adobe Cottage Dilek Okuyucu, Memduh Şenol Çavdar, Zabiullah Fakuori,Dursun Burak Özdoğan, Burak Gedik, Muhammet Özdemir, Muhammet Şahin
14:05-14:20	A product improvement story for lightweight pumice blocks Zabiullah Fakuori, Memduh Şenol Çavdar, Dilek Okuyucu
14:20-14:35	The process of developing a new lintel product using pumice - first stage Kübra Yılmaz, Zabiullah Fakouri, Memduh Şenol Çavdar, Dilek Okuyucu
·	



All times are listed in Turkey Local Time (GMT+3). The North America Central Time Zone is 8 hours earlier. Malaysia Local Time is 5 hours ahead.

ISASE 2021 Program: Thursday (15:00-16:35), 08 April 2021



All times are listed in Turkey Local Time (GMT+3). The North America Central Time Zone is 8 hours earlier. Malaysia Local Time is 5 hours ahead.

ISASE 2021 Program: Friday (09:00-10:35), 09 April 2021



SESSION-A





All times are listed in Turkey Local Time (GMT+3). The North America Central Time Zone is 8 hours earlier. Malaysia Local Time is 5 hours ahead.

POSTER SESSION

ISASE 2021 Program: Friday (11:00-11:30), 09 April 2021







All times are listed in Turkey Local Time (GMT+3). The North America Central Time Zone is 8 hours earlier. Malaysia Local Time is 5 hours ahead.

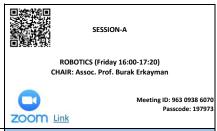
ISASE 2021 Program: Friday (14:00-15:40), 09 April 2021

	SESSION-A			SESSION-B			SESSION-C		
	ELECTRICAL ENG. (Friday 14:00-15:40) CHAIR: Assist.Prof. Dr. Emin Argun Oral			APP. MATH. (Friday 14:00-15:30) CHAIR: Dr. Mesut Atasoyu			MECHANICAL ENG. (Friday 14:00-15:35) CHAIR: Assoc. Prof. Halim Kovacı		
			Meeting ID: 979 8275 4358 Passcode: 284940			Meeting ID: 927 5752 3769 Passcode: 941059 Link	-		Meeting ID: 967 1083 1288 Passcode: 813896
14:00-14:20	INVITED SPEAKER: Assoc. Prof. Önder Aydemir KTU,TURKEY EEG - Based Brain-Computer Interface System Design Techniques	:	14:00-14:15	Performance Study of A New Hybrid Parabolic Trough Collector System Integrated With Hybrid Tubular Thermoelectric Generator Abderrahim Habchi, Bouchaib Hartiti, Hicham Labrim, Salah Fadili, Abdelilah Benyoussef, Naoual Belouaggadia		14:00-14:20	INVITED SPEAKER: Prof. Levent Trabzon ITU,TURKEY Engineering of Carbon-Based Nanofiller Reinforced Polyurethane Nanocomposites		
14:20-14:40	INVITED SPEAKER: Dr. Zainab Yunusa BUK, NIGERIA Functional Nanomaterials for Electronic Applications	:	14:15-14:30	Numerical Simulation of Photovoltaic Characteristics of Cadmium Telluride Thin Film Based Solar Cells Salaheddine Moujoud, Bouchaib Hartiti, Ali Faddouli		14:20-14:35	Augmented Reality Application with Marker Technology Improves Automobile Engine Assembly Lai Lai Win, Faieza Abdul Aziz, Norhisham Seyajah, Huda hatam Dalef, Rohidatun M.W, Nadia Abdul Rani, Nalienaa Muthu		
14:40-14:55	The Development of a Smart Moisture Monitoring System for Precision Agriculture Labib Sharrar, Salinda Buyamin, Mohamad Shukri Zainal Abidin	:	14:30-14:45	Improved Approach of Dark Object Subtraction (DOS) for Classification of Oil Palm Cover in Different Space and Time with Landsat-8 Images Zhi Hong Kok, Abdul Rashid Mohamed Shariff, Siti Khairunniza Bejo		14:35-14:50	Analysis on Materials of Bus Superstructure in Compliance to R66 Nur Isnida Razali, Ameen Topa, Nuraini Abdul Aziz		
14:55-15:10	Fabrication and Characterization Of ZnO/Polyaniline Based Fet Structure H2 Gas Sensor Mücella Özbay Karakuş	:	14:45-15:00	Mathematical Modeling of COVID-19 Using Fractal-Fractional Derivatives Faranak Rabiei, Zeeshan Ali, Kamal Shah, Touraj Khodadadi		14:50-15:05	Vibration-based Fault Diagnosis of Rolling Element Bearing using Hybrid Metaheuristic-FNNs algorithm Zahidi Rahman		
15:10-15:25	LIB-Based Static vs. LAB-Based Rotary UPS: Total Cost of Ownership Prosper Kabasele Ngongo, Mohamed Tariq Kahn	:	15:00-15:15	Mathematical Model for COVID-19 Outbreak in Pakistan Zeeshan Ali, Faranak Rabiei, Kamal Shah, Zanariah Abdul Majid		15:05-15:20	Mass Fraction Effect on Mechanical Properties of E-Glass Fiber Reinforced Polyethylene Composites Samet Sanbur, Cemal Kochan, Çiçek Özes		
15:25-15:40	Hardware Simulator for Microgrid Systems Elvis Penn Muluh, Mohamed Tariq Kahn	:	15:15-15:30	A Numerical Method for the Solution to A Class of Fractional Delay Differential Equations of Nonlinear Type Ömür Kıvanç Kürkçü		15:20-15:35	High-Efficiency Smart Pump Controller Yavuz Sümer, Arash Ravanbakhshazar, Ahmet Kain		

All times are listed in Turkey Local Time (GMT+3). The North America Central Time Zone is 8 hours earlier. Malaysia Local Time is 5 hours ahead.

ISASE 2021 Program: Friday (16:00-17:40), 09 April 2021

SESSION-B



16:00-16:20	INVITED SPEAKER: Assist. Prof. Yousef Sardahi MU, USA Multi-Objective Optimal Controls
16:20-16:35	Leader-Follower Formation Control of Quadrotors: A Simple Virtual Leader Approach Kaan Can, Abdullah Başçi
16:35-16:50	Modelling and Simulation the Position Control of a Flexible Manipulator Using Gyroscopic Actuator Abbas Moloody, Azizan Bin As'arry
16:50-17:05	Kinematic Analysis of a Novel 5-DOF FDM Printer Based on Parallel Mechanism Mehran Mahboubkhah, Ahmet Dumlu, Kagan Koray Ayten
17:05-17:20	Adaptive Sliding Mode Control of Mobile Robot and Comparison with PID Controller Mustafa Ayyıldız, Umut Tilki





All times are listed in Turkey Local Time (GMT+3). The North America Central Time Zone is 8 hours earlier. Malaysia Local Time is 5 hours ahead.





CLOSING CEROMONY

Meeting ID: 943 0206 9899

Passcode: 204919

TIME	SPEAKER
17:45-17:50	Assist. Prof. Emin Argun ORAL On Behalf of Organizing Committee, Atatürk University
17:50-17:55	Assist. Prof. Dilek Okuyucu On Behalf of Organizing Committee, Erzurum Technical University
18:00-18:05	Prof. Bülent Çavuşoğlu The Head of Electrical and Electronics Engineering Department of Ataturk University
18:05-18:10	Prof. Mohd Nizar Hamidon On Behalf of Organizing Committee, University Putra Malaysia
18:10-18:15	Prof. Recep Sadeler The Dean of Engineering Faculty, Ataturk University