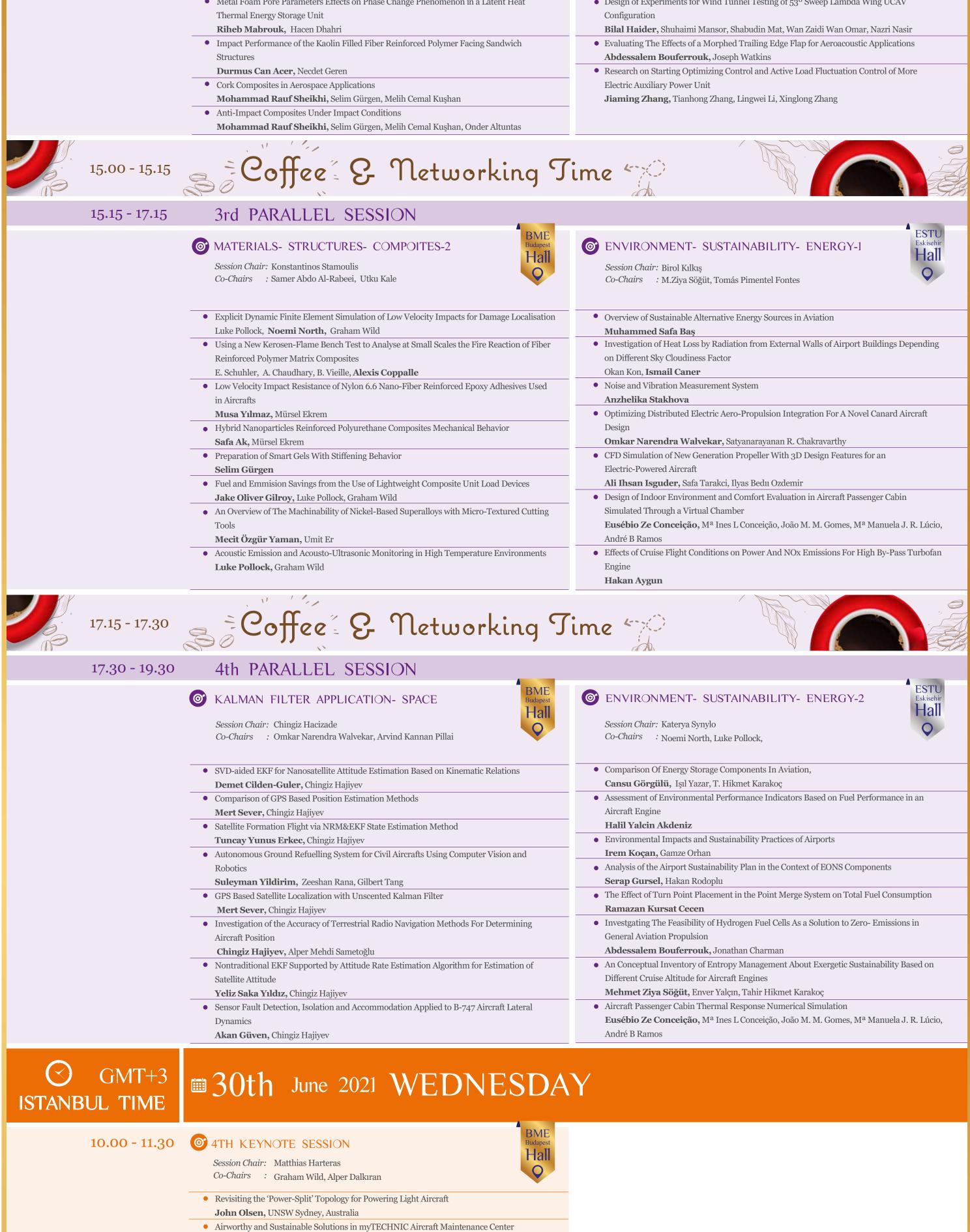


	• Carbon Upgrading by Producing Jet Fuel From H2S Gasof the Black Sea and Industrial Wastes by Utilizing Off-Shore and On-Shore Renewable Energy Systems in the Region	
	Birol Kılkış, OSTIM Technical University, Turkey	
	 Advanced Data Analytics And Digital Technologies For Smart And Sustainable Maintenance Konstantinos Stamoulis, Amsterdam University of Applied Sciences, Netherlands 	
	Using Simulation and Visualization Technologies for Safety Assessments in Aerospace	
	Applications Peter Dannenmann , Hochschule RheinMain, Germany	
T T T T T T T T T T T T T T T T T T T		
17.30-17.45	-Coffee O Metworking 7	
	Coffee & Networking T	time in the second seco
17.45- 19.45	1st PARALLEL SESSION	ESTU
	Image: Maintenance-operation-managementBME BudapestBudapest1	Image: Organization of the second
	Session Chair: Alper Dalkıran	Session Chair: David Sziroczák
	Co-Chairs : Mohammad Rauf Sheikhi, Luke Pollock	Co-Chairs : Utku Kale, Erfan Salami
	Human Error Assessment and Reduction Technique in Aircraft Maintenace	Optimal Layout Design of Multi-Rotor Vehicle Based on PSO Algorithm
	Ebru Yazgan,Elif Kılıç Delice	Yuke Huang, Mai Bando, Shinji Hokamoto
	 Identification Performance Fields in Ground Handling Operations to Corporate Performance Ebru Yazgan, Vildan Korul, Ayşe Küçük Yılmaz 	 Conceptual Design of Piezoelectric Based Energy Harvesting Seats for Commercial Aircraft Erfan Salami, Azadeh Salami, Elham Montazer, Fairuz I. Romli
	Application and Development of Aircraft Maintenance Procedures Using Lean Tools	• Development of an Efficient Finite Element Model for The Analysis of Buckling, Debonding
	 Tapdig Imanov, Melih Yıldız, Elif Koruyucu Aircraft Inspection Using Drones: Benefits and Related Safety Concerns 	And Collapse Characteristics of Composite Stiffened Panels Under Compressive Loading Vasileios K. Mantzaroudis, Dimitrios G. Stamatelos
	Lidija Tomic, Olja Cokorilo	Determination of Optimum Mixing Parameter for Oil Flow Visualization
	Sustainable Pavement Rehabilitation in Aviation Arvind Kannan Pillai	 Aleyna Çolak, Mehmet Seyhan, Mustafa Sarioglu Determination of Aerodaynamic Characteristics for Leading Edge Tubercle Naca 0015 Airfoil
	Paperless Operations In Apron: A Case Study	at Low Reynolds Number
	Eylem Turhan , Betul Kacar, Ilkay Orhan, Alper Dalkiran, Tahir Hikmet Karakoc"	Mehmet Seyhan, Mustafa Sarioglu, Yahya Erkan Akansu
	 Effects of Meteorological Phenomenons on Air Transportation In Turkey Mert Uluyazi, Orhan Sen 	 A Case Study on Investigating Probabilistic Characteristics of Wind Speed Data at Various Heights
	 An Assessment of Digitalization in Aircraft Maintenance Kemal Ay, Ilkay Orhan 	Ali Tatli, Ahmet Esat Suzer, Tansu Filik, Tahir Hikmet Karakoc
	A New Solution Approach To Aircraft Maintenance Planning And Optimization Nilay Torun	 Investigating Aircraft Evacuation Performance in Deteriorating Conditions Seth Staska, Luke Pollock, Graham Wild
GMT+3 ISTANBUL TIME	■29th June 2021 TUESDAY	
10.00 - 11.30	Image: Session Chair: John Olsen Image: Session Chair: John Olsen Co-Chairs : Tawfik Mudarri, Dulani D Kuruppu	
	MEA – More Electric Academics: Trends Towards More Electric Products in Aviation and	
	Academia Matthias Harteras, Hochschule RheinMain, Germany	
	The Role of the Modern MRO in Vocational Education	
	 Árpád Demény, Aeroplex of Central Europe, ACE CEO, Hungary AEROPLEX-BME Industrial Cooperation for MSc Level MRO Education 	
	Arpad Veress, Budapest University of Technology and Economics, Hungary	
11.30 - 12.30	IST INVITED SPEAKER SESSION Session Chair: Susan Michaelis Co-Chairs : Vasileios K. Mantzaroudis, Ioanna K. Lekea	
	• Modern trends in technical regulation of new alternative jet fuels production and use	
	 Anna Yakovlieva, National Aviation University, Ukraine Design Performance Optimization for Small Unmanned Aircraft Systems 	
	 Désign l'enformance Optimization for Small Omnamed Aircraft Systems Dávid Sziroczák, Budapest University of Technology and Economics, Hungary 	
	Tool for Airport Air Quality Tasks Kateryna Synylo , National Aviation University, Ukraine	
12.30 - 13.00	Lunch & Networking T	Time U
13.00 - 15.00	2nd PARALLEL SESSION	
	MATERIALS- STRUCTURES- COMPOSITES-1	AIRCRAFT TECHNOLOGY- DESIGN-2 ESTU Eskisehir
	Session Chair: Peter Dannenmann	Session Chair: Graham Wild
	Co-Chairs : Lidija Tomic, Riheb Mabrouk	Co-Chairs : Eusébio ZE Conceição, Alper Dalkıran
	• Chip Breaking Applications and Chip Breaking Approach Using Variable Feed Rate in the Machining of Aviation Materials	 Aerogels in Aerospace Applications Mohammad Rauf Sheikhi, Selim Gürgen, Onder Altuntas, Melih Cemal Kuşhan
	Fatih Hayati Çakır	Interference Wing-Body Combination for Elliptical Cross-Section of Fuselage
	 Aluminum Metal Matrix Composites in Aircraft Industry Imgesu Unal, Sevim Yolcular, Serdar Karaoğlu 	Vladimir Alekseevich Frolov Development of Solar Sail for Interstellar Exploration
	Effect of Core Stitching on Flexural Properties of Lightweight Sandwich Composites	Suresh P, Aadesh Varne U, Jishnu V C, Kushal U, Parth Borse
	Çağrı Uzay Investigation of CAO_MCO_AlaOa_SiOa (CMAS) Damaga Bahavior of Inconal 718 Nickal	Sizing and Performance Analysis of a Single-Seat Tandem Helicopter
	 Investigation of CAO-MGO-Al2O3-SiO2 (CMAS) Damage Behavior of Inconel 718 Nickel Based Superalloy Material 	Jelena Svorcan, Aleksandar Kovacević, Lazar Popović, Aleksandar Simonović • A Sodium Oscillating Heat Pipe for Thermal Management of Hypersonic Vehicles
	Yasin Ozgurluk	Daiki Tokuda, Yuji Suzuki, Takayoshi Inoue
	Metal Foam Pore Parameters Effects on Phase Change Phenomenon in a Latent Heat	 Design of Experiments for Wind Tunnel Testing of 53° Sweep Lambda Wing UCAV



		Ümit Kuş, myTECHNIC, Turkey" • Perspectives of hydrogen use as motor fuel for air transport	
	10.50	Sergii Boichenko, National Aviation University, Ukraine	
11.30 -	- 12.50	2ND INVITED SPEAKER SESSION Session Chair: József Rohács Co-Chairs : Vladimir Alekseevich Frolov, Alexis Coppalle	
		Macrocognition For Preparedness in Aviation	
		Maria Papanikou, Amsterdam University of Applied Sciences, Netherlands" Impacts of Aircraft on Environment in Europe	
		 Impacts of Alerat on Environment in Europe Samer Abdo Al-Rabeei, Technical University of Kosice, Slovakia" Multi-criteria approach to noise management in the vicinity of airports 	
		Kate Kazhan, National Aviation University, Ukraine"	
		 Mining Enterprises Cost Management Using Management Information System Tawfik Mudarri, Technical University of Kosice, Slovakia 	
12.50 -	- 13.30	Lunch & Networking T	ime
13.30	- 15.30	5th PARALLEL SESSION	
		SIMULATION STUDIES Session Chair: Arpad Veress Co-Chairs : Graham Wild, Abdessalem Bouferrouk	 CHEMMOTOLOGY Session Chair: Anna Yakovlieva Co-Chairs : Jiaming Zhang, Daiki Tokuda
		 Enhancing Flight Safety Training and Prevention of Aviation Accidents with the Use of Physics and Aeronautics Lonno K, Lakae, Dimitries C, Stameteles 	 Lubricants and Technical Liquids Perspectives of hydrogen use as motor fuel for air transport Sergii Boichenko Lubricants and Technical Liquida Medare transfer to technical regulation of new alternative ist
		 Ioanna K. Lekea, Dimitrios G. Stamatelos Effects of Bypass Mass Injection on Thrust Vectoring of a Supersonic Micro Nozzle: A DSMC Investigation 	 Lubricants and Technical Liquids Modern trends in technical regulation of new alternative jet fuels production and use Anna Yakovlieva
		 Maruf Md. Ikram, Abu Taqui Md. Tahsin, A.B.M. Toufique Hasan Flow Pulsation Effects on Shock Wave/Boundary Layer Interaction in a Supersonic Inlet 	 Revisiting the syntesis of fatty acid alkyl esters of lower monohydric alcolols by homogeneous base-catalyzed transterification of vegetable oils
		 Flow Pulsation Ellects on Shock Wave/ Boundary Layer Interaction in a Supersonic Inter Isolator Sardar Nafis Bin Ali, Abu Baker Siddque Rimon, A.B.M. Toufique Hasan 	Serhii Konovalov, Stepan Zubenko, Lyubov Patrylak, Anjela Yakovenko, Vololymyr Povazhnyi, Kateryna Burlachenko
		 Computational Analysis of Re-Entry Space Vehicle at Supersonic & Hypersonic Speed Jignesh R Vala, Prit Kathesiya, Mahmmadsamad Makadi, Ayushi Mistry, Amit Parmar, 	 Lubricants and Technical Liquids Cultivating microalgae in wastewaters for biofuel and fertilizer production
		Mehul Rana Simulation of a 6DOF Nonlinear Time-Invariant Sattlite Missile	Sergii Shamanskyi, Sergii Boichenko
		Kutaibah Srour, Sohayb Abdulkerim	 Influence of polymer additives on rheological properties of heavy high-viscosity oil Tetyana Yarmola, Romanchuk Viktoria, Volodymyr Skorokhoda, Topilnytskyy Petro Paice of Discel Motor Parameters by Using of Alashel Conversion
		Developing Models And Methods For Autonomous Drones In Urban Air Transport Dung D. Nguyen, Utku Kale, Daniel Rohacs	 Raise of Diesel Motor Parameters by Using of Alcohol Conversion Sviatoslav Kryshtopa, Liudmyla Kryshtopa, Myroslav Panchuk, Volodymyr Korohodskyi,
		Developing New Concepts For The Integration Of Drones Into The General Air Transport Managenet And Urban Transport	Igor Prunko, Ivan Mykytii, Ivano-Frankivsk Cavitation Treatment of Gas Condensate Gasoline, Modified with Monohydric Alcohols Sorbii Kudriauteev, Oleksii Teelishehev, Sergii Beishenko, Marma Lorija, Anno
		Dung D. Nguyen, Utku Kale, Daniel Rohacs	Serhii Kudriavtsev, Oleksii Tselishchev, Sergii Boichenko, Maryna Loriia, Anna Yakovlieva, Irina Shkilniuk
			 Environmental Impact Assessment of the Planned Activity of Aviation Transport Viktoriia Khrutba, Inesa Rutkovska, Anna Kharchenko, Tetiana Morozova, Alla Herasymenko
15.30-	-15.45	Coffee & Networking T	ime 😭
15.45 -	- 16.45	6th PARALLEL SESSION	
		Or UAV BME Session Chair: Kate Kazhan	AIRCRAFT-AVIATION Session Chair: Maria Papanikou
		Session Chair: Kate Kazhan Co-Chairs : Nouman Uddin, Jignesh R Vala	Session Chair: Maria Papanikou Co-Chairs : Kutaibah Srour, Omar Alharasees
		 Development of an Eco-Friendly Conductive Nanocomposite for Light Weight Aerial Vehicles Dulani D. Kuruppu 	 Development of a Preliminary Design Tool for Rotary Wing Aircrafts Tomás Pimentel Fontes, Filipe Szolnoky Cunha
		 Conceptual Design and Sizing of Lidar Equipped Solar Powered Hale UAV for Coastal Surveillance in India 	Evaluating Public Transport Development Projects by Multi-Criteria Methods Omar Alharasees
		Nouman Uddin, Rajkumar S. Pant Optimization of the Surface of Drone Propeller Manufactured in 3D Printer	 Impact of COVID-19 on Air Traveller Behavior Volkan Yavaş, Rüstem Barış Yeşilay
		 Optimization of the Surface of Drone Propeller Manufactured in 3D Printer Mehmet Ziya Söğüt, Ömer Secgin A New Encryption Key Generator Design With True Random Bits 	 Modeling Of Bird Strike For The Pilot Cabin Window In Side-by-side Seated Aircraft, Berkay Luleci, Volkan Salman, M. Zeki Yilmazoglu
		Taha Etem, Turgay KAYA	
16.45	- 17.15	CLOSING REMARKS	
		Session Chair: T. Hikmet Karakoç Co-Chairs : József Rohács, Daniel Rohács, Öznur Usanmaz,	
		Nadir Yılmaz, Siripong Atipan Keynote speakers, invited speakers and all participants are invited to this session.	
		a TERNIT ONLY	\frown
		Juge NIATION AND ELLER	
			Adapte interspite's interspite a factories

BUDAPEST UNIVERSITY OF

TECHNOLOGY &

ECONOMICS

ESKISEHIR TECHNICAL

UNIVERSITY

esearch & Applicatio

Center of Civil Aviation