

Program with Zoom links is sent to registered attendees by email.

Schedule overview

Day I	October 5 th , 2023 Thursday	
Opening Ceremony		9:00 – 10:00 Türkiye Time
Keynote Forum 1		10:00 – 12:30 Türkiye Time
Group Photo		12:30 – 12:40 Türkiye Time
Lunch Break		12:40 – 14:00 Türkiye Time
Keynote Forum 2		14:00 – 15:50 Türkiye Time
Keynote Forum 3		16:00 – 16:40 Türkiye Time
Keynote Forum 4		16:50 – 17:50 Türkiye Time
Keynote Forum 5		18:00 – 19:00 Türkiye Time
Day II	October 6 th , 2023 Friday	
Parallel Sessions		9:30 – 11:10 Türkiye Time
<ul style="list-style-type: none"> Industry 5.0 Applications, IoT and Production Systems, Healthcare Systems and Management Sustainability Big Data and Analytics, Decision Making, Fuzzy Logic 		
Parallel Sessions		11:30 – 12:45 Türkiye Time
<ul style="list-style-type: none"> Industrial Applications Sustainability Supply Chain Management 		
Lunch Break		12:45 – 14:00 Türkiye Time
TU Wien Pilot Factory Virtual Tour		14:00 – 14:45 Türkiye Time
Parallel Sessions		15:00 – 16:40 Türkiye Time
<ul style="list-style-type: none"> Industry 4.0 Applications, Process Management Sustainability, Production Economy Optimization, Simulation and Modelling 		
Special Session		17:00 – 17:30 Türkiye Time
Parallel Sessions		17:40 – 19:30 Türkiye Time
<ul style="list-style-type: none"> Productivity and Performance Management, Stock Control and Inventory Management, Demand Management Clustering, Facility and Capacity Management, Lean Production Simulation and Modelling, Quality Management 		
Day III	October 7 th , 2023 Saturday	
Special Session		10:30 – 11:00 Türkiye Time
Parallel Sessions		11:00 – 12:15 Türkiye Time
<ul style="list-style-type: none"> Capstone Projects – 1 Capstone Projects – 2 Capstone Projects – 3 Capstone Projects – 4 		
Lunch Break		12:15 – 13:45 Türkiye Time
TU Wien Tec-Lab Virtual Tour		13:45 – 14:05 Türkiye Time
Parallel Sessions		14:05 – 14:55 Türkiye Time
<ul style="list-style-type: none"> Capstone Projects – 5 Capstone Projects – 6 Capstone Projects – 7 		
Capstone Projects – 8		
Closing Session		14:55 – 15:15 Türkiye Time
Virtual Concert		15:15 – 16:00 Türkiye Time



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All times given in the schedule are in **UTC+3, Türkiye local time**. Please refer to below **Time-zone Conversion Table** to match your local time.

Symposium time Antalya, Türkiye	Vancouver, BC, Berkeley, CA	Auburn, AL, Iowa City, IA	Dayton, OH New York, NY	Buenos Aires	Dublin, London	Central European Summer Time (CEST) Belgrade, Bratislava, Budapest, Prague, Rome, Vienna, Warsaw	Türkiye Time Antalya, İstanbul, Kuwait City, Moscow Eastern European Summer Time (EEST) Athens, Bucharest	Tehran	Beijing
9:00	11:00 PM	1:00 AM	2:00 AM	3:00 AM	7:00	8:00	9:00	9:30	14:00
10:00	12:00 AM	2:00 AM	3:00 AM	4:00 AM	8:00	9:00	10:00	10:30	15:00
11:00	1:00 AM	3:00 AM	4:00 AM	5:00 AM	9:00	10:00	11:00	11:30	16:00
12:00	2:00 AM	4:00 AM	5:00 AM	6:00 AM	10:00	11:00	12:00	12:30	17:00
13:00	3:00 AM	5:00 AM	6:00 AM	7:00 AM	11:00	12:00	13:00	13:30	18:00
14:00	4:00 AM	6:00 AM	7:00 AM	8:00 AM	12:00	13:00	14:00	14:30	19:00
15:00	5:00 AM	7:00 AM	8:00 AM	9:00 AM	13:00	14:00	15:00	15:30	20:00
16:00	6:00 AM	8:00 AM	9:00 AM	10:00 AM	14:00	15:00	16:00	16:30	21:00
17:00	7:00 AM	9:00 AM	10:00 AM	11:00 AM	15:00	16:00	17:00	17:30	22:00
18:00	8:00 AM	10:00 AM	11:00 AM	12:00 PM	16:00	17:00	18:00	18:30	23:00
19:00	9:00 AM	11:00 AM	12:00 AM	13:00 PM	17:00	18:00	19:00	19:30	00:00

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Opening Ceremony	Oct 5th, 2023 Thu	9:00 – 10:00 Türkiye Time	8:00 – 9:00 CEST
<p>Prof. Dr. Hatice Camgöz Akdağ İstanbul Technical University</p> <p>Prof. Dr. M. Güneş Gençylmaz President of UAD (Society for Production Research)</p> <p>Prof. Dr. Numan M. Durakbasa TU Wien, Member of UAD</p> <p>Prof. Dr. Kurt Matyas Vice Rector for Academic Affairs, TU Wien</p> <p>Prof. Dr. Daniela Popescu Vice Rector for University Management and Relations with the Economic Environment, TU Cluj-Napoca, Romania</p> <p>Prof. Dr. Šooš Ľubomír Dean of Faculty of Mechanical Engineering Slovak University of Technology in Bratislava, Slovakia</p> <p>Prof. Dr. Friedrich Bleicher Head, Institute of Production Engineering and Photonic Technologies, TU Wien</p>			Moderator: Prof. Dr. Hatice Camgöz Akdağ
Keynote Forum 1	Oct 5th, 2023 Thu	10:00 – 12:30 Türkiye Time	9:00 – 11:30 CEST
<p>Prof. Dr. Duc T. Pham, Birmingham University, UK <i>“The Bees Algorithm and Its Applications”</i></p> <p>Prof. Dr. Peter Kopacek, TU Wien, Austria <i>“From Engineering Management EM to Technology Management TEM”</i></p> <p>Dr. Ing. Ömer Ganiyusufoglu, Industrial Development Consultant, QIAP – Qingdao International Academician Park, China <i>“Intelligent Machine Tools and Intelligent Manufacturing of the Future”</i></p>			Moderator: Prof. Dr. Hatice Camgöz Akdağ
Group Photo	Oct 5th, 2023 Thu	12:30 – 12:40 Türkiye Time	11:30 – 11:40 CEST
Screenshots from Zoom gallery view of the participants will be taken.			
Lunch Break	Oct 5th, 2023 Thu	12:40 – 14:00 Türkiye Time	11:40 – 13:00 CEST
Keynote Forum 2	Oct 5th, 2023 Thu	14:00 – 15:50 Türkiye Time	13:00 – 14:50 CEST
<p>Prof. Dr. Hasan Mandal, TÜBİTAK President, Ankara, Türkiye <i>“Revolutionizing the Smart and Sustainable Future through co-creation with Human-Centric Industry”</i></p> <p>Prof. Dr. Mahmut Akşit, TEI CEO, Ankara, Türkiye <i>“Development journey of the TEI-TF6000 turbofan jet engine”</i></p> <p>Prof. Dr. Lütfihak Alpkan, Deputy Minister of Labour and Social Security, Ankara, Türkiye <i>“Society 5.0”</i></p>			Moderator: Prof. Dr. Hatice Camgöz Akdağ
Coffee Break	Oct 5th, 2023 Thu	15:50 – 16:00 Türkiye Time	14:50 – 15:00 CEST

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Keynote Forum 3	Oct 5th, 2023 Thu	16:00 – 16:40 Türkiye Time	15:00 – 15:40 CEST
<p>Dr. Yüksel Yalçın General Manager, İstanbul Enerji A.Ş., İstanbul, Türkiye <i>“Industrial Technology at Power Plants: Biomass Energy Applications”</i></p> <p>Prof. Dr. Birgit Oberer International Society of Engineering Pedagogy (IGIP), Austria <i>“Fostering Innovation and Entrepreneurship in Industrial Engineering Education: A Paradigm Shift”</i></p>			Moderator: Prof. Dr. Hatice Camgöz Akdağ
Coffee Break	Oct 5th, 2023 Thu	16:40 – 16:50 Türkiye Time	15:40 – 15:50 CEST
Keynote Forum 4	Oct 5th, 2023 Thu	16:50 – 17:50 Türkiye Time	15:50 – 16:50 CEST
<p>Prof. Dr. Gül E. Kremer, School of Engineering, University of Dayton, Ohio, USA <i>“Algorithm Development for Integration of an Automated Visual Defect Inspection System”</i></p> <p>Prof. Dr. Ing. Jorge Bauer, TU Wien, Austria & UTN-FRBA Buenos Aires, Argentina <i>“Autonomation, Automation, AI, and Industry-Agriculture 5.0 in Sustainable Agro-Ecological Food Production”</i></p>			Moderator: Prof. Dr. Hatice Camgöz Akdağ
Coffee Break	Oct 5th, 2023 Thu	17:50 – 18:00 Türkiye Time	16:50 – 17:00 CEST
Keynote Forum 5	Oct 5th, 2023 Thu	18:00 – 19:00 Türkiye Time	17:00 – 18:00 CEST
<p>Prof. Dr. Andrew Kusiak, The University of Iowa, Iowa, USA <i>“Digitization and Hyperautomation”</i></p> <p>Prof. Dr. William P. Fisher, University of California, Berkeley, California, USA <i>“How “Deterministic Chaos” Defines Natural Laws Applicable to Both Nature and Culture”</i></p>			Moderator: Prof. Dr. Hatice Camgöz Akdağ
End of Day I events	Oct 5th, 2023 Thu	19:00 Türkiye Time	18:00 CEST

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Parallel Sessions	Oct 6th, 2023 Fri	9:30 – 11:10 Türkiye Time	8:30 – 10:10 CEST
	<p style="text-align: center;">Industry 5.0 Applications</p> <ul style="list-style-type: none"> • Revolutionizing Industry 5.0: Harnessing the Power of Digital Human Modelling <i>Donmez, Semih; Demircioglu, Pinar; Bogrekci, Ismail; Bas, Gökçen; Durakbasa, M. Numan</i> • The Global Apprentice: Adaptive, Versatile and a Lifelong Learner <i>Doyle-Kent, Mary M; Walsh Shanahan, Breda</i> <p style="text-align: center;">IoT and Production Systems</p> <ul style="list-style-type: none"> • On The Material Selection of Gauge for The Comparison of X-Ray and Neutron Tomography <i>Marczis, Attila; Kis, Zoltán; Dregelyi-Kiss, Agota</i> <p style="text-align: center;">Healthcare Systems and Management</p> <ul style="list-style-type: none"> • Creating a Tool for HSE and Social Performance Assessment in Healthcare Facilities <i>Masoudian, Fatemeh; Faeghinezhad, Shiva; Lennerts, Kunibert</i> 		<p>Meeting chair: Prof. Dr. İsmail Bögrekçi</p>
	<p style="text-align: center;">Sustainability</p> <ul style="list-style-type: none"> • The Impacts of 6G Technologies on Achieving Economic Sustainability Goals in Digital Transformation Point of View: Literature Review <i>Selma Aysegul Gunes; Hatice Camgöz Akdağ</i> • Application of Sustainable Lean Supply Chain Management for a Textile Company <i>Tuğba Alper; Ömer F. Kandaz; Hatice Camgöz Akdağ</i> • Relationship Between Sustainable Entrepreneurship and The UN Sustainable Development Goal 12: A Bibliometric Approach <i>Nur Eradlı; Nihan Yıldırım; Hatice Camgöz Akdağ</i> • The Relationship Among Sustainable Development, GDP, and Greenhouse Gas Emission in Turkey <i>Ömer Faruk Kandaz; Hatice Camgöz Akdağ</i> 		<p>Meeting chair: Prof. Dr. Hatice Camgöz Akdağ</p>
	<p style="text-align: center;">Big Data and Analytics</p> <ul style="list-style-type: none"> • Comparative Analysis of Public Transportation through Sentiment Analysis and Topic Modeling <i>Aslıgül Aksan; Hatice Camgöz Akdağ</i> • The COVID-19 Outbreak's Impact on Customer Purchasing Behavior in E-commerce <i>Pınar, Artun; Yenice, Onur Halit; Özcan, Tuncay; Konyalioglu, Kemal; Beldek Apaydın, Tuğçe</i> <p style="text-align: center;">Decision Making</p> <ul style="list-style-type: none"> • A Sustainability Score Development for A Social Responsibility Network <i>Işık, Mehmet Ali; Yılmaz, Uğur; Cengiz, İsmail Cenk; Temur, Gül Tekin</i> <p style="text-align: center;">Fuzzy Logic</p> <ul style="list-style-type: none"> • The Measurement of Stores' Efficiency in a Retail Chain using Fuzzy Data Envelopment (Fuzzy DEA) Analysis <i>Kemal Konyalioglu; Sibel Çayır; Nehir Yiğit; Tuncay Özcan</i> 		<p>Meeting chair: Assoc. Prof. Dr. Atik Kulaklı</p>
Coffee break	Oct 6th, 2023 Fri	11:10 – 11:30 Türkiye Time	10:10 – 10:30 CEST

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Parallel Sessions Oct 6th, 2023 Fri 11:30 – 12:45 Türkiye Time 10:30 – 11:45 CEST

Industrial Applications

- **Characterization of Polyethylene Pipe Properties through Advanced Metrology Techniques**
Meryem Didar Bayrakçıl; Osman Bodur; Martin Klein; Eva Maria Walcher; Günther Poszvek; Marcelina Jalowiec
- **Improving Diplomatic Mission Service Production with Big Data: The Case of Indonesian Embassy in Moscow**
Muhamad Winata; Peter B Panfilov
- **Research Regarding the Development of An Android Application Presenting Roughness Parameters, Measurement and Drawing Indications**
Pop, Grigore Marian G; Crisan, Liviu Adrian; Tripa, Mihai Sorin; Andresan, Dragos

Meeting chair:
Prof. Dr. Kemal
Güven Gülen

Sustainability

- **Sustainable Process Innovation and Digital Transformation Linkages: Multiple Case Study Research**
Nur Eradlı; Hatice Camgöz Akdağ
- **Connection between Sustainable Process Innovation and Digital Transformation in Logistics – Multiple Case Study Research**
Selma Aysegul Gunes; Hatice Camgöz Akdağ
- **Overcoming Barriers in Circular Economy Implementation with Industry 4.0 Technologies: The Case of Defense Industry**
Çebi, Sümeyye; Baki, Birdoğan; Özçelik, Gökhan

Meeting chair:
Prof. Dr. Serpil
Erol

Supply Chain Management

- **A Last Mile Delivery Problem with Multitrip and Time Window Constraints In E-Logistics**
Duygu Nurcan Kızgın; Ferhan Cebi
- **Determining a New Warehouse Location for an Electrical Home Appliances Company**
İlayda Kızılkaya, Tolgahan Kevser, Hande Ofluoğlu, Feyza Ölçüçüer, Duygun Fatih Demirel
- **Analysis of a Turkey Meat Production Agri- Chain: A Simulation Study**
Karataş Aygün, Nazlı; Kandiller, Levent; Bulut, Önder

Meeting chair:
Prof. Dr. Berna
Dengiz

Lunch Break Oct 6th, 2023 Fri 12:45 – 14:00 Türkiye Time 11:45 – 13:00 CEST

Pilot Factory Virtual Tour Oct 6th, 2023 Fri 14:00 – 14:45 Türkiye Time 13:00 – 13:45 CEST

Virtual Tour in the **Industry 4.0 Pilot Factory** at the TU Wien.

Moderator:
Ece Soyuer
TU Wien

Presenter:
Dr. Claudia Elisabeth Schickling,
Alexander Kinzer
Industry 4.0 Pilot Factory, TU Wien



Coffee Break Oct 6th, 2023 Fri 14:45 – 15:00 Türkiye Time 13:45 – 14:00 CEST

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Parallel Sessions	Oct 6th, 2023 Fri	15:00 – 16:40 Türkiye Time	14:00 – 15:40 CEST
	<p style="text-align: center;">Industry 4.0 Applications</p> <ul style="list-style-type: none"> Advanced Quality Assurance of Additive Manufacturing through Computed Tomography <i>Jalowiec, Marcelina; Walcher, Eva Maria; Bodur, Osman; Poszvek, Günther; Klein, Martin; Bayrakçıl, Meryem Didar</i> Industry 4.0 and Business Model Innovation: Bibliometric Co-Word and Content Analyses <i>Atik Kulaklı; Cenk Lacin Arikani; Semra Birgun</i> Proposal of Industry 4.0 Maturity Model in the Energy Sector <i>Nebati, Elif; Avunduk, Zehra Binnur; Akcan, Abdullah Fatih</i> <p style="text-align: center;">Process Management</p> <ul style="list-style-type: none"> Object-Centric Process Mining: Latest State-of-Art Research Direction <i>Solhjoo, Ali; Rezaie, Kamran</i> 		Meeting chair: Prof. Dr. Semra Birgün
	<p style="text-align: center;">Production Economy</p> <ul style="list-style-type: none"> Econometric Analysis of the Impact of Digitalization of the Economy on the Labor Market <i>Islamov, Islam Jamal; Huseynli, Ilham; Yagubov, Sakit; Aliyev, Ali</i> Policy Dialogue Approach for Improving the Existing Policy Framework Regarding the Reduction of Carbon Emissions <i>Szabo, Denisa; Campean, Emilia; Popescu, Daniela; Neamtu, Calin; Dragomir, Mihai</i> <p style="text-align: center;">Sustainability</p> <ul style="list-style-type: none"> Research on Service Quality in the E-Commerce Sector <i>Yaren Çağlar; Paşa Çiçeklidağ; Selim Zaim</i> Assessment of Environmental Sustainability Performance Using AHP-based CODAS and MARCOS Methods: A Comparative Study <i>Ulu, Mesut; Mengüç, Kenan</i> Autonomation, Automation, AI, and Industry-Agriculture 5.0 in Sustainable Agro-Ecological Food Production <i>Pinar Demircioglu; Ismail Bogrekci; M. Numan Durakbasa; Jorge M. Bauer</i> 		Meeting chair: Prof. Dr. Selim Zaim
	<p style="text-align: center;">Optimization</p> <ul style="list-style-type: none"> Research on Constructive Design of Strut-Based Lattice Structures for Load-Bearing Orthopaedic Implants Manufactured by Selective Laser Melting (SLM) Technology <i>Willing, Boglarka</i> <p style="text-align: center;">Simulation and Modelling</p> <ul style="list-style-type: none"> Mathematical Modeling and Calculation of the Basic Characteristics of a Complex Antenna Array <i>Islamov, Islam Jamal; Hurbataliyev, Elmar</i> Maintenance Decision and Spare Part Selection for Multi-Component System <i>Kaya, Berk; Karabağ, Oktay; Fadiloğlu, Mehmet Murat</i> A Firefly Algorithm for Bi-Objective Airport Gate Assignment Problem <i>Paldrak, Mert; Erdem, Gamze; Örnek, Mustafa Arslan</i> 		Meeting chair: Prof. Dr. Haluk Soyuer
Coffee Break	Oct 6th, 2023 Fri	16:40 – 17:00 Türkiye Time	15:40 – 16:00 CEST
Special Session	Oct 6th, 2023 Fri	17:00 – 17:30 Türkiye Time	16:00 – 16:30 CEST
	<p style="text-align: center;">Special Session</p> <p>Prof. Dr. Alice E. Smith, Auburn University, Alabama, USA “Innovative Uses of Drones for Logistics in Healthcare and Production”</p>		Moderator: Asst. Prof. Dr. Zeynep Gergin
Coffee Break	Oct 6th, 2023 Fri	17:30 – 17:40 Türkiye Time	16:30 – 16:40 CEST

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Parallel Sessions Oct 6th, 2023 Fri 17:40 – 19:30 Türkiye Time 16:40 – 18:30 CEST

Productivity and Performance Management

- **A Multi-Criteria Decision-Making Model Integrated with Speech Analytics for the Performance Evaluation of Agents in Express Delivery Industry**
Helin Oyku Demircioglu; Berna Şimşek; Kemal Konyalioglu; Tuncay Özcan
- **Manufacturing Productivity Increase by Innovative Die Design in High Pressure Die Casting**
Alev, Ugur; Vanli, Ali Serdar; Mertöz, Cihan; Akdogan, Anil
- **Efficiency analysis of Major Airlines: Exploring the Operational Performance Determinants in Aviation**
Kübra Çınar, Ali Osman Kuşakçı, Ekrem Tatoğlu

Stock Control and Inventory Management

- **Peak Period Inventory Planning for Apparel Industry**
Mahmut Ali Gökçe; Russell King

Demand Management

- **An Extreme Gradient Boosting Model Optimized with Genetic Algorithm for Sales Forecasting of Retail Stores**
Kemal Konyalioglu; Tuğçe Beldek Apaydın; İlhan Turhan; Adil Soydal; Tuncay Özcan

Meeting chair:
Prof. Dr. Pınar
Demircioğlu

Clustering

- **Clustering Analysis and Comparative Study of Different Clustering Performance Indices**
Ulu, Mesut; Türkan, Yusuf Sait

Facility and Capacity Management

- **Charging Station Network: A Case Study in Bakırköy, Istanbul**
Uzuner, Meltem; Dengiz, Orhan; Dengiz, Berna

Lean Production

- **Analysis of a Company's Product Design Process within the Framework of Lean Product Development Principles**
Çalışkan, Zeynep; Topoyan, Mert
- **DMAIC Methodology for Semiconductor Manufacturing**
Alimli, Dilek; Elibol, Duygu Melek; Çelikaş, Ahmet; Tunaboğlu, Bahadır

Scheduling

- **Optimizing Integrated Flight-Crew-Aircraft Scheduling: Simulated Annealing for Effective Solutions in the Face of Irregular Operations**
Güner, Girkan Güven; Erol, Serpil

Meeting chair:
Prof. Dr. Bahadır
Tunaboğlu

Simulation and Modelling

- **A New Approach to Modeling and Synthesis of a Digital Antenna Array Operating in the Microwave Range**
Islamov, Islam Jamal; Jahangirov, Murad; Rahimov, Agarahim; Abdullayev, Rashid
- **CFD Simulation of the Aerodynamic Characteristics of the NACA 0018 Symmetrical Profile**
Apostol, Ioana Eliza; Titu, Aurel Mihail
- **Research and Analysis of the Efficiency of Fiber-Optic Communication Lines Based on DWDM Systems**
Islamov, Islam Jamal; Ibrahimov, Bayram; Orujova, Milana
- **Development and Analysis of an Antenna System for Communication in the Microwave Bands of Radio Waves**
Islamov, Islam Jamal

Quality Management

- **Quality in Production and Service**
García, Ángela Moya; Bodur, Osman; Durakbasa, M. Numan

Meeting chair:
Asst. Prof. Dr.
Zeynep Gergin

End of Day II events Oct 6th, 2023 Fri 19:30 Türkiye Time 18:30 CEST

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Special Session	Oct 7th, 2023 Sat	10:30 – 11:00 Türkiye Time	9:30 – 10:00 CEST
<p style="text-align: center;">Special Session</p> <p>Prof. Dr. Jan Torgersen, School of Engineering and Design, Technical University of Munich, Germany “Towards an industrial relevant process for architected carbon production”</p>			<p>Moderator: Dr. Tuğçe Beldek Apaydın</p>
Parallel Sessions	Oct 7th, 2023 Sat	11:00 – 12:15 Türkiye Time	10:00 – 11:15 CEST
<p style="text-align: center;">Capstone Projects – 1</p> <ul style="list-style-type: none"> Analytic Hierarchy Process (AHP) and Goal Programming Approach for a Real-life Supplier Selection Problem <i>Erdinc, Pinar; Gersil, Çağla; Erton, Ceylin; Buduneli, Zeynep; Paldrak, Mert; Staiou, Efthimia</i> Applications of Statistical Process Control, Quality Improvement Tools and Techniques, and a Simulation Model in a Garment Manufacturing Company <i>Erdinc, Pinar; Buduneli, Zeynep; Erton, Ceylin; Gerşil, Çağla; Paldrak, Mert; Staiou, Efthimia</i> 			<p>Meeting chair: Prof. Dr. Ferhan Çebi</p>
<p style="text-align: center;">Capstone Projects – 2</p> <ul style="list-style-type: none"> Capacity Expansion Through Bottleneck Analysis for an OEM Company <i>Coşkunseda, Gülşah; Bayraktar, Arda Ali; Salman, Ege; Toy, Ayhan Ozgur; Karataş Aygün, Nazlı</i> Inventory Management Optimization for Intermittent Demand <i>Kaya, Berk; Karabağ, Oktay; Başay, Aleyna Ömrüm; Torun, Bekir Can; Çekiç, Fatma Ravza; Işıklı, Zeynep Eda; Çakır, Çağlar</i> Enhancing Human Safety in Production Environments within the Scope of Industry 5.0 <i>Serra Aksoy, Pinar Demircioğlu, Ismail Bogrekci, M. Numan Durakbasa</i> 			<p>Meeting chair: Prof. Dr. Pınar Demircioğlu</p>
<p style="text-align: center;">Capstone Projects – 3</p> <ul style="list-style-type: none"> A Quality Value Stream Mapping Study in a Knitwear Manufacturer <i>Gergin, Zeynep; Kılınç, Arda Seden; Aksu, Ozan İbrahim; Akalın, Arda Burak; Albayrak, Abdülbaki; Güneş, Salih</i> Improving Quality Control Applications by Increasing Inspection Efficiency and Decreasing Nonconformance Percentage <i>Yılmaz, Başak; Fırat, Sena; Caba, Cihan; Beşir, Berna; Ulku, Ilayda</i> A Lost Sales Make-to-Stock System with Batch Demand and Batch Production <i>Ozkan, Sinem; Yandımata, Mert; Bulut, Önder</i> 			<p>Meeting chair: Assoc. Prof. Dr. Zeynep Gergin</p>
<p style="text-align: center;">Capstone Projects – 4</p> <ul style="list-style-type: none"> Risk & Project Management in Project Logistics: A Case Study in Wind Turbines <i>Salış, Zeynep; Kazançoğlu, Yiğit; Ozbiltekin-Pala, Melisa</i> The Role of Smart Farming on Çamlı Yem <i>Çakır, Eda; Börühan, Gülmüş; Ersoy, Pervin</i> The Impact of Value Engineering on Material Selection an Example from The Construction Industry <i>İbrahim Ethem Tarhan, Baraa Quffa</i> 			<p>Meeting chair: Prof. Dr. Alptekin Erkollar</p>
Lunch Break	Oct 6th, 2023 Fri	12:15 – 13:45 Türkiye Time	11:15 – 12:45 CEST

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Tec-Lab Virtual Tour Oct 7th, 2023 Sat 13:45 – 14:05 Türkiye Time 12:45 – 13:05 CEST

Virtual Tour in the **Tec-Lab Production Engineering Laboratory** at the TU Wien

Presenter:

Dr. Osman Bodur

Institute for Production Engineering and Photonic Technologies,
TU Wien



Parallel Sessions Oct 7th, 2023 Sat 14:05 – 14:55 Türkiye Time 13:05 – 13:55 CEST

Capstone Projects – 5

- **Application of Meta-Heuristic Algorithms for Sequencing Multi-Model Assembly Line with Sequence-Dependent Setup Time in Garment Industry**
Kuzu, Tunahan; Paldrak, Mert; Örnek, Mustafa Arslan; Can, Yaren; Sarı, Elvin; Ceylan, Sude Dila; Duran, Devin
- **Warehouse Design and Order Picking Algorithms for Apparel Industry**
Ünlü, Elif

Meeting chair:
Prof. Dr. Selim
Zaim

Capstone Projects – 6

- **Determination of Moment of Inertia After Cold Roll Forming Process for Steel Rectangular Profiles**
Tekyalçın, Ali Burak; Kulavuz, Himmet Ufuk U; Demircioğlu, Pinar; Bogrekci, Ismail
- **Cloud-based AI Role in Intelligent Pharmaceutical Manufacturing Facilities**
Darabseh, Esraa; Tarhan, İbrahim Ethem

Meeting chair:
Prof. Dr. İsmail
Böğrekçi

Capstone Projects – 7

- **Integrating Lean into Supplier Selection Problems in Small and Medium-Sized Enterprises**
Tan Tacoglu, Melis; Caylak, Ece; Özkan Özen, Yeşim Deniz; Kortun, Cemre
- **An Excel-Based Stock Management System for a Leather Label Manufacturer**
Uçucu, Emine; Eraslan, Fatma Beyza; Kaymaklı, Zeyneb Nur; Emir, Oğuz; Aktin, Tülin

Meeting chair:
Assoc. Prof. Dr.
Atik Kulaklı

Capstone Projects – 8

- **A Warehouse Management Decision Support System for Totomak**
Kurt, Burak; Karakurt, Melis; Şirin, Güner; İspay, Sevde; Güçlükol, Simge; Kandiller, Levent
- **Production Control of a Make-to-Stock System with Non-Identical Parallel Production Lines and Lost Sales**
Ozkan, Sinem; Deliktaş, Kerem Can; Bulut, Önder

Meeting chair:
Prof. Dr. Kemal
Güven Gülen

Program with Zoom links is sent to registered attendees by email.

Closing Session	Oct 7th, 2023 Sat	14:55 – 15:15 Türkiye Time	13:55 – 14:15 CEST
<p>Prof. Dr. Hatice Camgöz Akdağ İstanbul Technical University</p> <p>Prof. Dr. M. Güneş Gençyılmaz President of UAD (Society for Production Research)</p> <p>Prof. Dr. Numan M. Durakbasa TU Wien, Member of UAD</p>			
Virtual Concert	Oct 7th, 2023 Sat	15:15 – 16:00 Türkiye Time	14:15 – 15:00 CEST
<p><i>Virtual concert from recordings of Viennese artists.</i></p>			