

29.08.2019_Thursday 11⁰⁰ - 13⁰⁰

TU Wien, Campus Getreidemarkt Building BA

Sessions 03rd floor	Sessions 8A, 8th floor	Sessions 10A, 10th floor	Sessions 10B, 10th floor
<p>Capstone Project Optimization of Costs in Empty Container Repositioning <i>Mehmet Yasin Göçen, Öykü Çağlar, Elif Ercan, Damla Kızılay</i> Periodic Route Optimization for FMCG Distributors <i>Onur Çopur, Mert Yıldız, Simru Göven, Ali Övünç Güneri, Alper Berke Yavuz, Mahmut Ali Gökçe, Cansu Yurtseven</i> Scheduling of Test Operations at Bosch Thermotechnology R&D Laboratory <i>Pelin Akçay, Mustafa Doğa Çetin, Batu Ekmekçi, Beste Yıldız, Levent Kandiller, Damla Kızılay</i> Standardization of Packaging Materials for Various Products and Cost Optimization in Packaging <i>Özge Ceyhan, Merve Türk, Hafize Helvacı, Damla Yüksel, Nejat Kutup</i></p>	<p>Simulation and Modelling An Implementation of Cloud Based Simulation in Production <i>Kamil Öncü Şen, M.Numan Durakbaşa, Gökçen Baş, Gizem Şen, Osman Akçatepe</i> Effect of Shape of Cutting Edge on Face Milled Surface Topography <i>Csaba Felhő, Antal Nagy, Janos Kundrák</i> Examination of Surface State-Change on Diamond Burnished Aluminium Components <i>Viktoria Ferencsik, Gyula Varga</i> University-Industry Collaboration Entrepreneurial Competences of University Students in the Digital Age: A Scale Development Study <i>Mahmut Tekin, Deniz Baş, Tahsin Geçkil, Özdal Koyuncuoğlu</i> Evaluation of Entrepreneurial-Innovative University Conditions and Activities from Students' Point of View in the Context of Industry 4.0 <i>Mahmut Tekin, Özdal Koyuncuoğlu, Tahsin Geçkil, Deniz Baş</i></p>	<p>Miscellaneous Topics Determination of Field Temperature for Composite Materials using Empirical Methods <i>Gabriel Nicodim Ciusca, Teodor Potra, Vasile Ceclan, Sorin Dumitru Grozav</i> Effect of the Voxel Size on the Final Scan Accuracy in Computed Tomography <i>Michaela Kritikos</i> Industry 5.0: Is the Manufacturing Industry on the Cusp of a New Revolution? <i>Mary Doyle Kent, Peter Kopacek</i> Upscaling of Collaborative Disassembly Lines For Mobile Phones – Economic And Environmental Considerations <i>Rainer Pamminger, Sebastian Glaser, Roland Ambrosch, Mario Genner</i></p>	<p>Artificial Intelligent Applications Using Artificial Intelligence for the Improvement of Weapon Efficiency <i>Recep Benzer, Alptekin Erkollar, Birgit Oberer, Semra Benzer</i> Big Data and Analytics Industry 4.0 Score Prediction of Turkish SMEs via Data Classification <i>Uğurcan DüNDAR, Fadime Üney-Yüksektepe, Zeynep Gergin, Doğan Aybars İlhan, Mehmet Güneş Gençyılmaz, Ali İhsan Çavdarlı</i> The Gender Analysis of Enrolled Students: A Comparison Study of Austrian And Turkish Higher Education <i>Erol Yücel, Serpil Erol</i></p>

Lunch Break 13⁰⁰ - 14⁰⁰

Sessions 14⁰⁰ - 15³⁰

Capstone Project	Healthcare Systems and Management	Miscellaneous Topics	Quality Management
<p>Developing a Spare Parts Demand Forecasting System <i>Banu Hacialioğlu, Büşra İlayda Dokuyucu, Elif Özbay, Hakan Şahin, Mehmet Mukan Saçlı, Merve Nur Genç, Efthymia Staiou, Mert Paldrak</i></p> <p>Linking Container Shipping Company Service Attributes to Shipper Satisfaction and Loyalty <i>Gulumser Gur, Ecem Ervansel, Ege Taylan Er, Aylin Caliskan, Yucel Ozturkoglu</i></p> <p>Lot Size Optimization of Purchased Products <i>Merve Başay, Yağız Can Çelgin, Naz Çelik, Merve Eyüpoğlu, Furkan Koç, Pırl Köksal, Ege Özgültekin, Damla Kizilay, M. Arslan Örnek</i></p> <p>Measuring Service Quality in the Logistic Sector by Using Servqual and Best Worst Method <i>Delfin Kolat, H.Ajlan Kökçü, Mete Kıranlı, Melisa Özbiltekin, Yücel Öztürkoglu</i></p>	<p>A Process Design for Rare Diseases Patients in Turkey <i>Hatice Camgöz Akdağ, Gül Beyza Özuzcan, Dilay Duruçalı</i></p> <p>An Integrated Approach for The Evaluation of Sustainability and Patient Satisfaction in Hospitals: A Case of Turkey <i>Aziz Kemal Konyalıoğlu, Tuğçe Beldek, Hatice Camgöz Akdağ, Gizem Deniz</i></p> <p>Miscellaneous Topics</p> <p>A Stochastic Approach for Effective Workforce Planning: A case of a Call Centre in Turkey <i>Ece Üstün, Buket Baritugan, Aziz Kemal Konyalıoğlu, Ferhan Çebi</i></p> <p>An Analytical Approach for Analysing the Impact of Risks on Production Planning: Case of Öztiryakiler <i>Eda Talatar, Talha Bekeç, Aylin Başaran, Nihan Balıkçı, Berk Bilgin, Esra İlbay, Tülin Aktin</i></p>	<p>Cold Chain Logistics Firm Selection by Using AHP-VIKOR Integrated Method and a Case Study in Food Industry <i>Elif Caloglu Buyukselcuk</i></p> <p>Using Process Mining Approach for Machining Operations <i>Zeynep Altan, Semra Birgün</i></p> <p>IoT and Production Systems, Lean Production</p> <p>A Prediction Model for Fault Detection in Molding Process Based On Logistic Regression Technique <i>İnanç Kabasakal, Fatma Demircan Keskin, Aydın Koçak, Haluk Soyuer</i></p> <p>Automated Quality Assurance Applications in the Rise of IoT <i>Gamze Ugur Tuncer, Can Davutoglu, M. Numan Durakbasa</i></p>	<p>Increase the Success Rate of the Molds Due to the Measurement Mistakes in Akpa Aluminum <i>Dilaranur Çalışkan, Dilara Demir, Eda Gamze Aday, Kübra Türk, Bahadır Tunaboğlu, Selim Zaim, Tuğçe Beldek</i></p> <p>Industrial Computed Tomography for Nondestructive Inspection of Additive Manufactured Parts <i>Binnur Sagbas, M. Numan Durakbasa</i></p> <p>Managing Quality Perception Along the Customer Journey: A Behavioral Economics Approach <i>Florian Teleaba, Sorin Popescu, Roxana Santa</i></p> <p>Total Quality Management through Defect Detection in Manufacturing Processes Using Machine Learning Algorithms <i>Almira Selin Kahya, Selin Şişmanoğlu, Zeynep Erçin, Hatice Camgöz Akdağ</i></p>

29.08.2019_Thursday 16⁰⁰ - 18³⁰

TU Wien, Campus Getreidemarkt Building BA

Sessions 8A, 8th
floor

Sessions 10A,
10th floor

Sessions 10B,
10th floor

Industry 4.0 Applications

A Multi-Criteria Decision-Making Model for Digital Transformation in Manufacturing: A Case Study from Automotive Supplier Industry

Hüseyin Furkan Beyaz, Nihan Yıldırım

Assessment of Organizational Capability for Data Utilization- A Readiness Model in the Context of Industry 4.0

Mathias Nausch, Andreas Schumacher, Wilfried Sihn

A Conceptual Framework for Developing a Customized I 4.0 Education Scale: An Exploratory Research

Yunus Kaymaz, İnanç Kabasakal, Ural Gökay Çiçekli, Murat Kocamaz

Industrial Applications

Production Planning at a Chocolate Company: A Two-Phase Approach by Aggregation

Zehra Düzgit, Ayşe Beyza Kuzuoğlu, Hazal Kalelioğlu, Hazal Kolay, Merve Başak Güler, Senem Akyol, Ayhan Özgür Toy

Structural and Modal Analyses of Naca 66-206 Aircraft Wing Model

Ismail Bogreki, Pinar Demircioglu, H. Saygin Sucuogla, Emrah Guven, Neslihan Demir, M. Numan Durakbasa

The Effect of Cutting Speed and Feed on Cutting Forces in Face Milling with Square Shaped Insert

János Kundrák, Angelos P. Markopoulos, Nikolaos E. Karkalos, Tamás Makkai

Energy Management

Electricity Consumption Forecasting with Artificial Neural Network for Fast-Moving Consumer Goods Sector

Gülfem Yeşil, Bersam Bolat
Peer Learning Methodology for Sustainable Energy Usage

Frans Folkvord,, Lutz Peschke , Gökçen Baş ,Simone Vitiello,Nathan Spunda

Flexible Manufacturing Systems

Analysis of a Dedicated Flexible Manufacturing System with Closed Loop Layout: A Case Study in Production of Electro-Mechanical Products

R. Sirin Uyan, Adalet Oner
Optimization of the Machine and Device Layout Solution in a Specific Company Production
Marian Králik, Vladimír Jerz, Michael Paštéka

Coffee Break 17⁰⁰ – 17¹⁵

Industry 4.0 Applications

Comparative Analysis of the Most Industrialized Cities in Turkey from the Perspective of Industry 4.0

Zeynep Gergin, Doğan Aybars İlhan, Fadime Üney-Yüksektepe, Mehmet Güneş Gençyılmaz, Uğurcan DüNDAR, Ali İhsan Çavdarlı

From Chaos to Calm: Industry 4.0 Practices of Turkish White Goods Companies

Nihan Yıldırım, Kübra Şimşek Demirbağ

How Science Communication Delivers Meaningful Frameworks About Industry 4.0 to the Public Sphere

Murat Can Becerir, Lutz Peschke

Industry 4.0 Operationalization based on an Integrated Framework of Industrial Digitalization and Automation

Andreas Schumacher, Christian Schumacher, Wilfried Sihn

Industrial Applications

An Analysis of Methods Allowing Detection of Large Local Irregularities Of Surface

Krzysztof Stępień, Dariusz Janecki, Stanisław Adameczak

Enhancement of Images from Industrial X-ray Computed Tomography Systems by Hybrid Approach

Mario Sokac, Zeljko Santosi, Djordje Vukelic, Marko Katic, M. Numan Durakbasa, Igor Budak

Periodical Emission Control by Using an IoT Universal Short-test Procedure

Ernst Pucher, Andreas Gruber, Andreas Eidmann, Christian Spitzwieser

30.08.2019_Friday 10³⁰ - 12⁰⁰

TU Wien, Campus Getreidemarkt Building BA

Sessions 03rd floor	Sessions 8A, 8th floor	Sessions 10A, 10th floor	Sessions 10B, 10th floor
<p>Capstone Project A Framework of Route Selection for Hazardous Goods Transportation in Tunnels <i>Ayça Türkmən, Berna Özçınar, Gökay Aydođdu, Tilbe Adsız, Melisa Özbiltekin</i> A Hybrid Flow Shop Scheduling Problem <i>Ayşegül Eda Özen, Gülce Çini, Merve Çamlıca, Nilay Çınar, Hasan Bahtiyar Soydan, Levent Kandiller, Hande Öztop</i> An Open Vehicle Routing Problem for Daily Shipment Plan of a Local Bedding Company in Turkey <i>Bartu Arslan, Özlem Erdin, Deniz Gülce Dađıstanlıođlu, Ozan Bolel, Çađlar Su, Banu Y. Ekren, Cansu Yurtseven</i> Building a Decision Support System for Vehicle Routing Problem: A Real-Life Case Study from Turkey <i>Aysenur Dođan, İrem Bilici, Osman Kaan Demiral, Mehmet Serdar Erdođan, Özgür Kabadurmuş</i></p>	<p>Industry 4.0 Applications The New Paradigm in the Task of Direction-Coordination of Innovative Technological Projects in the Environment of INDUSTRY 4.0 <i>M. Numan Durakbaşı, Jorge M. Bauer, Esteban Capuano, J. Martin Acosta, J. Carlos Diaz</i> The Turkish Automotive Industry in the Era of Digital Technologies and Autonomous Cars <i>Ahmet Tezcan Tekin, Lerzan Özkale, Derya Gultekin-Karakas</i> Tools of Industry 4.0 on Die Casting Production Systems <i>Ali Serdar Vanli, Anil Akdogan, M. Numan Durakbasa</i> Usage of Industry 4.0 Technologies among ISO 500 Manufacturing Firms in Turkey <i>Alper Kaan Erkut, Seçkin Polat, Umut Asan</i></p>	<p>Supply Chain Management A Literature Review on Closed Loop Supply Chains <i>Aziz Kemal Konyalıođlu, İlke Bereketli Zafeirakopoulos</i> Evaluation of Wireless In-Flight Entertainment System in Aviation Sector <i>Elif Altın, İlke Bereketli Zafeirakopoulos</i> Supply Chain Management in Healthcare: A Literature Review <i>Tuğçe Beldek, Aziz Kemal Konyalıođlu, Hatice Camgöz Akdađ</i> Supply Chain Orientation, ERP Usage and Knowledge Management in Supply Chain <i>Arafat Salih Aydiner, Mehmet Fatih Acar, Selim Zaim, Dursun Delen</i> The Impacts of Foldable Containers, Street-Turn and Depot-Direct Strategies on Empty Container Repositioning Cost <i>Mehmet Serdar Erdođan, Özgür Kabadurmuş,</i></p>	<p>Capstone Project Sustainability Evaluation of Textile Warehouses from Social and Environmental Perspective <i>Burcu Dilaver, Hasan Tahsin Çokođlu, Meriç Yamanlar, Yeşim Deniz Özkan-Özen, Yiđit Kazançođlu</i> The Modification and the Line Balancing of an Assembly Line for the Inclusion of a New Product Model <i>Dilruba Telli, Yalçın Berberođlu, Gizem Karadeniz, Dođangün Yılmaz Uzun, Elif Baykal, Damla Yüksel, Yiđit Kazançođlu</i> The Uniform Parallel Machine Scheduling Problem: A Case Study <i>Ege Duran, Gizem Görgülü, Ayben Pınar Kuruç, İpek Gülhan, Murat Can Dođruiyol, Hande Öztop, Adalet Öner</i></p>