

TEDU Department of Mechanical Engineering Advisory Board Members

1. Prof. Dr. Ahmet YOZGATLIGİL



Ahmet Yozgatlıgil received his undergraduate and graduate degrees from the Department of Mechanical Engineering at the Middle East Technical University, and his doctorate degree from the Department of Mechanical Engineering from Drexel University in the USA. He was a research professor at the University of Maryland from 2005 to 2006. Working as a faculty member in the Department of Mechanical Engineering at Middle East Technical University since 2007, Dr. Yozgatlıgil received the title of associate professor in 2014 and the title of professor in 2019. Besides his academic career, he served as the Deputy Dean of Engineering in 2015-2016, Advisor to the Rector in 2016-2019, Vice-President of the METU Technopolis Board of Directors between 2017-2020, and Vice-Rector between 2019-2020. Yozgatlıgil has been serving as TÜBİTAK Vice President since 2019.

2. Dr. Atılın TOKER



University, School of Civil Aviation.

Having received his undergraduate, graduate and doctorate degrees from the Department of Mechanical Engineering at the Middle East Technical University, Dr. Atılın Toker worked as a Research Engineer at ROKETSAN Company between 2000-2013 and as a Manager since 2013. He worked as the Head of the Department of Aircraft Body and Engine Maintenance at Atılım

3. Büryan APAÇOĞLU-TURAN



Büryan Apaçođlu Turan received her undergraduate degree in Nuclear Energy Engineering from Hacettepe University. She completed her master's degree in Mechanical Engineering at TOBB University of Economics and Technology with the first place in the department. She worked as a Thermal System Design Lead Engineer at General Electric (GE) Aviation Company in combustion chamber cooling and design, and worked on technology transfer from the USA and Poland in this field. She set out to establish her own company in the field of simulation technologies in 2017 and was awarded the Industrialist of the Future award by the Istanbul Chamber of Industry. Apaçođlu, who was selected as a Female Role Model Entrepreneur for the WeRin project funded by the European Union, was evaluated as one of the "71 Extraordinary Women" by Para Magazine. She is also the only woman entrepreneur from Turkey selected by the European Commission in the field of deep-

technology. She is the founder and current CEO of Simularge, one of the top 5 Digital Twin startups in the world.Dr.

4. Cevat AKIN



Cevat Akin, who received his BA in Mechanical Engineering from TOBB University of Economics and Technology, completed his master's and doctoral studies in the Department of Mechanical and Aerospace Engineering at Rutgers University. During his doctoral studies at Rutgers University, he also had the opportunity to teach many students on Fluid mechanics, Aerodynamics, Microfluid mechanics and Nanotubes as a Teaching and Research Assistant. He later started as a Systems Engineer at Thermo Fisher Scientific Company located in California, USA, and now he manages the Systems Engineering Team working on Genetic Analysis products with the title of Senior Manager. Dr. Akin was deemed worthy of the "Extraordinary New Engineer" award given annually by the company he works for in 2018. In 2020, he completed the Technology and Engineering Management Graduate Certificate Program at Stanford University.

5. Ekin ERSAN



Ekin Ersan, who served as the General Manager of NUMESYS Advanced Engineering Inc., graduated from TED Ankara College in 1994 and received his undergraduate degree from the Department of Mechanical Engineering at Middle East Technical University. Ekin Ersan, who worked as Contract Manager, Purchasing Manager and General Coordinator in companies such as Partnec, MIKES and MilSOFT between 2000-2015, started to work as Sales Manager at Anova

Engineering in 2015. Established in 2018 on simulation and engineering analysis software, in which Anova Mühendislik is also a partner, Numesys Advanced Engineering A.Ş. was appointed as the General Manager. In addition to his 20 years of experience in the sector as a leading manager, Ersan took the Senior Executive Strategy and Leadership Program and Digital Marketing from Oxford University Said Business School, and Digital Marketing, Design and Strategic Business Management Processes training from MIT Sloan School of Management, and established himself as Marketing, Negotiation, International. He has developed in the fields of Business and Sales Management. He is a member of the International Coaching Federation (ICF).

6. Dr. Emre ÖZTÜRK



Dr. Emre Öztürk received his undergraduate and graduate degrees from the Department of Mechanical Engineering at Middle East Technical University, and his doctorate from the Department of Mechanical Engineering at Gazi University. Continuing to work as a Part-Time Faculty Member at Çankaya University and Başkent University, Öztürk is one of the founding partners of NUMESYS Advanced Engineering, TASECS Climates and ANOVA R&D Technologies.

7. Prof. Dr. Emin Çağlan KUMBUR



Receiving his undergraduate degree in Mechanical Engineering from Middle East Technical University, Prof. Dr. Emin Çağlan Kumbur received his Ph.D. from Penn State University, Department of Mechanical Engineering. Working as a Research Assistant at the Fuel Cell Dynamics and Diagnostics Laboratory of the same university, Kumbur continues his studies as a faculty member at Drexel University. Kumbur, who is also the director of the University's Electrochemical Energy Systems Laboratory, concentrated on his studies in the fields of fuel cells, flow cells, electrochemical flow capacitors.

8. Ersan TÜFEKÇİ



Ersan Tüfekçi, who received his undergraduate degree from the Department of Mechanical Engineering at the Middle East Technical University, worked as a Project and Maintenance Engineer at Toyota Motor Manufacturing in Turkey, and then worked as an Expatriate Engineer at the campus of the same company in Nagoya, Japan. After returning to the country, Tüfekçi worked as a Senior Engineer at the same company, and later served as Factory Manager at Farba-Automotive Lighting Systems. Tüfekçi, who later assumed the position of Industrial Facilities Manager at Eaton, later became the Senior Operations Manager of Amazon company located in Prague, Czechia. After working as the Director of Production Operations at GE Renewable Energy, he works at Kalyon PV as a Member of the Executive Board in Charge of Operations.

9. Murat Anil ORAL



Murat Anil Oral, the General Manager of Pulsar Robotics Industry and Trade Inc., received his undergraduate degree from the Department of Mechanical Engineering at Middle East Technical University. Oral, who previously worked as a Managing Partner in the company, specializes in Industrial Robot and Motion Systems, Chemical Dosing Systems, Image Processing Systems and

Automation Projects.

10. Dr. Sarp YALIM



Dr. Mehmet Sarp Yalim received his BS and MS degrees in Mechanical Engineering from the Middle East Technical University with High Honors. He took courses in Aerospace Engineering at Von Karman Fluid Dynamics Institute in Brussels, Belgium and worked on the project, and graduated with Honors from the school's

diploma course. Then, continuing his education in Belgium, Yalim received his PhD from the Engineering Sciences Department of the Université libre de Bruxelles in Brussels this time. He worked for five years as a Postdoctoral Researcher at the Catholic University of Leuven and at the Royal Observatory of Belgium, during which time he was also a member of the science group of the European Space Agency's PROBA2 satellite. Then, he started working at the University of Alabama in Huntsville, USA, where he is still a Research Scientist. Dr. Yalim is also the Program Coordinator of the Research Program for Undergraduate Students in the

fields of Solar and Heliospheric Physics jointly organized by the University of Alabama and NASA Marshall Space Flight Center, supported by the US National Science Foundation. For his outstanding effort in 2019, S.T. Wu was awarded the CSPAR Performance Award. Dr. Yalim has worked and still works as a Principal Investigator and Investigator in various projects supported by the US National Science Foundation, NASA and the European Space Agency, and he has many articles in addition to being a referee in prestigious international journals.

11. Dr. Tunç İÇÖZ



Dr. Tunç İçöz completed his master's degree in Mechanical Engineering at Middle East Technical University and received his doctorate from Rutgers University, Department of Mechanical Engineering in New Jersey, USA. After working as a Chief Engineer at GE Global Research in New York, USA, he started working at Astrodyne TDI, where he served as Vice President of Global Operations. Among the areas of expertise of İçöz, who also served as Director of Mechanical Engineering and Director of Operations in this company; There are ruggedized electronics packages for thermal management of electronics, military and mobile applications.

12. Utku AVGAN



Utku Avgan received his master's degree from the Department of Mechanical Engineering at Middle East Technical University. Avgan, who started to work as Powertrain Integration Specialist at TOFAŞ Türk Automobile Factory A.Ş., served as Vehicle Integration Specialist and 365 Sedan/Egea Program Manager at the same company, respectively. Afterwards, he continued his duty as Program Manager at 636 RAM Promaster City for USA Canada Markets & TOFAS Transformation Projects. He manages the engineering team that develops original accessories for all models of Fiat, Alfa Romeo and Jeep brands produced by Stellantis in the EMEA region since 2019, and

in addition to this task, he leads Tofaş's transformation vehicle projects in the Turkish market.