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ANADOLU BİL VOCATIONAL SCHOOL



e-newsletter

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PRESS



Dr. Öğretim Üyesi Güven Özdemir

Dr. Güven Özdemir Provided An Expert Opinion On The Gulf Stream

Is the Scenario Depicted in "The Day After Tomorrow" Becoming a Scientific Reality? Recent Studies Indicate a Deceleration in the Gulf Stream—Potential Implications for Global Climate Systems and Possible Effects on Türkiye.

The film *The Day After Tomorrow* vividly portrayed a series of catastrophic events triggered by the collapse of the Gulf Stream. Today, however, warnings from scientists suggest that the likelihood of such a disaster scenario becoming a reality is increasing. In particular, the recent weakening of the Gulf Stream has caused significant concern within the scientific community. But how might this change affect global climate patterns and Türkiye specifically? Ocean currents play a critical role in regulating the Earth's climate. A weakening of these systems poses a potentially severe threat, with the capacity to trigger widespread environmental and socio-economic disruptions on a global scale.

In particular, the Gulf Stream (also known as the Gulf Stream) has become a critical focus for climate scientists. Historical events and projections raise concerns about what might happen if this ocean current collapses.

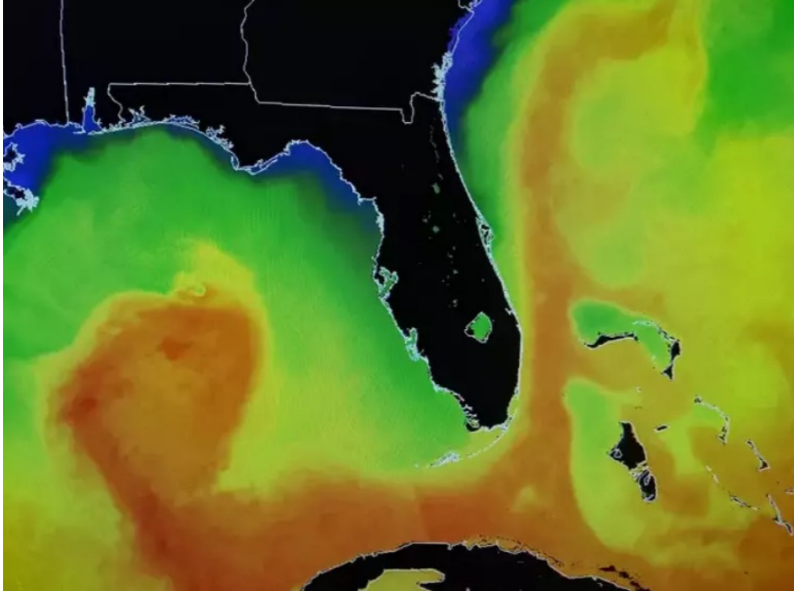
The Gulf Stream is just a small part of a larger ocean current system known as the Atlantic Meridional Overturning Circulation (AMOC). This system transports warm water from the tropics to the Northern Hemisphere, helping to maintain temperate conditions along the coasts of Europe, the United Kingdom, and the eastern United States.

Research suggests that the Atlantic Meridional Overturning Circulation (AMOC) may weaken or even collapse in the 21st century. However, according to researchers at the Met Office, the extent of this weakening varies significantly between climate models.

A team led by Dr. Jonathan Baker, who conducts research on climate change, ocean currents, and their effects on climate, used 34 computer models to assess the response of the Atlantic Meridional Overturning Circulation (AMOC) to extreme changes in greenhouse gas concentrations and rising sea levels.

Findings published in *Nature* suggest that the Atlantic Meridional Overturning Circulation (AMOC) will weaken but may remain resilient to future global warming and is unlikely





What are the dangers awaiting Turkey?

Dr. Güven Özdemir, who stated that our country will be indirectly affected by the entire process, said, “Firstly, our biodiversity will decrease or may even completely disappear. Greenhouse gases, particularly carbon dioxide emissions, will increase. A significant rise will also be observed in our seas. All these changes will lead to the deterioration of our marine ecosystems.”

Highlighting that agricultural areas will further shrink, Dr. Özdemir stated, “This entire process could have an incredibly negative impact on every aspect of agricultural and livestock production. Disruptions in agricultural production could lead to an increase in food prices and threaten food security.”

Dr. Güven Özdemir said that immediately abandoning fossil fuels is necessary to prevent the collapse of the Atlantic Meridional Overturning Circulation. Maximizing the use of wind, water, and solar energy; increasing our forested areas; renewing existing forests; improving seagrasses; and protecting our seas are also vital steps. Providing education on this matter and developing climate projects are critical. We must always prioritize risk management.”

to collapse within this century. However, climate scientist Geoff Vallis from the University of Exeter cautioned, “This does not mean that global warming is not a serious issue. Furthermore, it is not entirely accurate to say that the system will not collapse this century. The system is gradually weakening, highlighting the potential impacts of climate change on society and our planet.

“It could lead to changes in the atmospheric balance of the entire planet.”

Climate and ocean science expert Professor David Thornalley, in a statement to the Daily Mail, noted that the system has begun to weaken, warning that its collapse could lead to changes in global precipitation patterns, disruption of marine ecosystems, and a reduction in the ocean’s carbon storage capacity.

When I consulted the meteorology expert Dr. Güven Özdemir from Istanbul Aydın University on the matter, he stated, “The increasing use of fossil fuels for energy needs worldwide is causing a drastic rise in atmospheric temperatures. This, in turn, leads to an increase in natural disasters with greater intensity and widespread negative impacts on weather conditions. Such behavior is one of the main causes of the climate crisis.” He further added:

“As a result of this situation, we are witnessing effects such as the melting of glaciers, the reduction of Arctic sea ice, and the mixing of freshwater resources with ocean water. The decrease in salinity and the reduction in the density of ocean water have begun to cause changes in the

speed and direction of the Gulf Stream. All of these changes have the potential to lead to more severe climate shifts and disasters. Furthermore, they could cause changes in the atmospheric balance of the entire planet on a global scale.”

Chaotic weather conditions are expected to emerge in Europe.

Professor David Thornalley also emphasized that if the Atlantic Meridional Overturning Circulation (AMOC) were to completely collapse, temperatures would drop significantly.

Thornalley stated, “The collapse of the Atlantic Meridional Overturning Circulation could lead to more extreme weather events. For example, the rise in sea levels along the eastern coast of the United States may accelerate. It could also cause significant cooling in Europe and lead to chaotic weather conditions around the world.”

Thornalley also stated that, in addition to cold conditions, winter storms caused by stronger westerly winds could increase.

Dr. Güven Özdemir, who agrees with all the scenarios presented by David Thornalley, stated, “All of this is true. Further weakening or collapse of the Atlantic Meridional Overturning Circulation will lead to significant rises in sea levels. Such events will cause dramatic drops in temperatures and shake the climate balance. While one region experiences flooding, storms, and heavy rainfall, the threat of extreme drought will emerge in other areas.”

Source: hurriyet.com / İsmail SARI / 08.03.2025.

PRESS



Instructor Korkmaz Keskendir made evaluations on Business Channel Turkish TV.

Korkmaz Keskendir, instructor of the Banking and Insurance Program at Istanbul Aydın University, participated in a live broadcast on Business Channel Turkish TV on March 10, 2025, and made evaluations regarding financial markets.

Child Development Program

EVENT



Children's Literature Talks

The "Play-Friendly Future Club," which is academically advised by the Head of the Child Development Program, Instructor Tuğba Eryiğit, held various activities for three days at the main campus, both socially and academically, during Stand Week organized by the Clubs Union.

PROJECT



Future-Friendly Workshop

Çocuk Gelişimi Programı öğrencileri tarafından kurulan Oyun Dostu Gelecek Kulübü olarak UNIDES kapsamında hazırladığı proje kabul edildi. Proje kapsamında alınan teşvik ile Gaziantep-Nurdağı Eğitim ve Yaşam Kampüsünde

kurulacak "Gelecek Dostu Atölye" için çalışmalar devam etmektedir. Kulüp öğrencilerine Prof. Dr. Ali Sınağ tarafından Mütevelli Heyet Başkanı Prof. Dr. Mustafa Aydın'ın yazdığı teşekkür mektubu verilerek öğrencilerimiz onurlandırıldı.

EXCURSION



“The Path to Learning Lies in Encounter”

As part of the Special Education II course, Instructor Aksel Kahraman from the Child Development Program organized an educational trip to the Dialogue Museum on Monday, March 10, 2025. Inspired by the phrase “The Path to Learning Lies in Encounter,” the visit aimed to provide students with the immersive experience of “Dialogue in Silence.” This initiative allowed participants to deepen their understanding of communication beyond verbal interaction, fostering empathy and awareness in the context of special education.

BOOK CHAPTER



A Book Chapter Authored By Instructor Aksel Kahraman Has Been Published

Instructor Aksel Kahraman, who is part of the Child Development Program, co-authored the research titled “An Examination of the Pedagogical Structures and Metacognitive Awareness of Child Development Program Students Towards Science Education” with fellow researchers. The book Contemporary Perspectives in Science Education Research - X features this study. The research explores critical aspects of pedagogical approaches and metacognitive awareness, contributing to the ongoing discourse in science education within the context of child development.

ANNOUNCEMENT



Instructor Ayten Nahide Korkmaz's Paper Accepted

The paper titled “Water and Wastewater Mind-map to Policy and Regulations on Circular Economy in the EU” by Ayten Nahide Korkmaz, an instructor in the International Trade (English) program, has been accepted for presentation at the 9th International Mediterranean Social Sciences Congress, to be held on February 17, 2025.

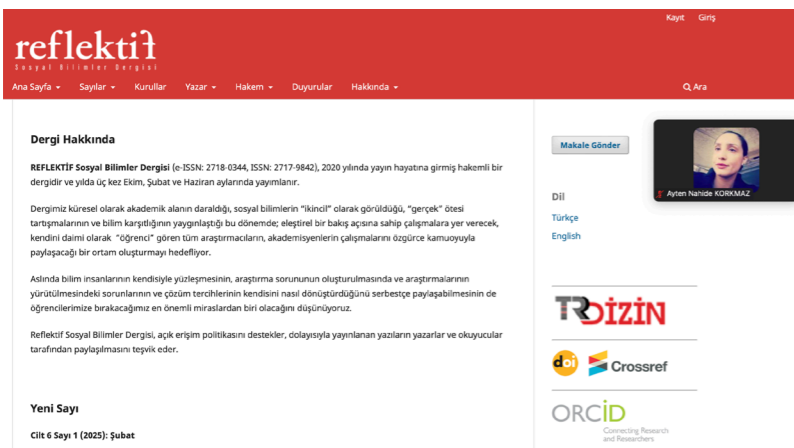
EVENT



Scientific Talks

An instructor in the International Trade (English) program, Ayten Nahide Korkmaz, participated in the “Scientific Talks” organized by Yıldız Technical University, featuring experienced academics, on February 17–20, 2025.

EVENT



Instructor Ayten Nahide Korkmaz Attended the Launch Meeting of REFLEKTİF Journal.

Ayten Nahide Korkmaz, an instructor in the International Trade (English) program, attended the launch meeting of REFLEKTİF, a peer-reviewed academic journal published by Bilgi University. The journal, which began publication in 2020, is issued three times a year—in October, February, and June.

EDUCATION



Special Training Session on Artificial Intelligence Applications in Electric Power Systems

A special training session was organized under the leadership of Instructor Fatemeh Khosravi Purian from Istanbul Aydın University's Department of Electricity Program, with the participation of Dr. Mahyar Teymournejad, Deputy Director of the Department of Engineering Research in the field of Artificial Intelligence at Biruni University. The session aimed to enhance students' technical knowledge and promote the integration of modern technologies into electric power systems.

In the first part of the training, fundamental knowledge on power system design was provided using AutoCAD Electricity software. Subsequently, Dr. Mahyar delivered a detailed presentation on the contributions of artificial intelligence to the optimization and development processes of electric power systems.

The training focused on the following key topics:

- **Optimization of Power Grids Using Artificial Intelligence:** Enhancing energy efficiency, reducing losses, AI-based load

forecasting methods, and improving electricity transmission and distribution processes.

- **Application Areas of Artificial Intelligence in Electric Power Systems:** Optimization of energy production in solar panels, use of machine learning techniques in the control of wind turbines, and development of AI-supported energy management systems.

At the end of the training session, students engaged in a discussion on the challenges and opportunities associated with the use of artificial intelligence in electric power systems. They also exchanged ideas on the integration of this technology into the industry and its future development prospects.

This training has made a significant contribution to enhancing students' understanding of the role of smart technologies in the energy sector. It is recommended to organize practical workshop sessions on modeling and simulation of power systems using machine learning algorithms.

EVENT



The Expansion Of Scientific Collaboration In The Electricity Field And Artificial Intelligence Between Istanbul Aydın University And Biruni University.

Topic and Objective of the Meeting

A meeting was held in March 2025 between Instructor Fatemeh Khosravi Pourian from Istanbul Aydın University and Dr. Safa Heybet, Head of the Vocational School at Biruni University, with the aim of strengthening academic cooperation between the two universities. The meeting focused on the curricula of the Electricity programs at both universities and discussed how developments in the field of Electricity program could be integrated into the educational programs.

During the meeting, the applications of artificial intelligence in the field of Electricity programs were discussed, particularly in areas such as the design and intelligent control of Electricity grids. These advancements will enable the alignment of Istanbul Aydın University's Electricity program curriculum with artificial intelligence, allowing for the integration of relevant software applications and updates to the program. We also discussed the robotic assistance projects developed by Biruni University, which integrate robotics and Electricity program disciplines within their Electricity program. The significance of these robotic systems lies in their

potential to enhance the efficiency of Electricity grids.

About Dr. Safa Heybet

Dr. Safa Heybet serves as the head of the vocational school at Biruni University. Aiming to integrate advancements in the field of Electricity engineering into educational curricula, Dr. Heybet adopts innovative teaching methods and seeks to strengthen academic collaborations.

Conclusion and evaluation

The meeting held has made a significant contribution to strengthening the academic collaboration between Istanbul Aydın University and Biruni University. Based on the suggestion of Dr. Safa Heybet and Instructor Fatemeh Khosravi Pourian, faculty members from the Biruni University Electricity Engineering Program will be invited to Istanbul Aydın University to establish a deeper collaboration on the design, distribution, and transmission of Electricity grids and the integration of advanced algorithms with artificial intelligence. This collaboration is expected to pave the way for advanced scientific and industrial innovations in the field of Electricity programs.

EVENT



Meeting on Artificial Intelligence and Power Systems

Topic and Objective of the Meeting:

In March 2025, Istanbul Aydın University held a meeting with Prof. Dr. Özgür Koray Şahingöz from Biruni University as part of the Medek project. Instructor Fatemeh Khosravi Pourian from the Electricity Department of Istanbul Aydın University participated in the meeting on behalf of the university. During the discussion, ideas were exchanged with Prof. Dr. Şahingöz regarding Electricity systems, power control, and the development of artificial intelligence applications. The meeting specifically focused on the use of heuristic and metaheuristic algorithms and the design of Electricity grids.

About Prof. Dr. Özgür Koray Şahingöz:

Prof. Dr. Özgür Koray Şahingöz, Biruni Üniversitesi Mühendislik ve Doğa Bilimleri Fakültesi Dekanı olarak akademik ve idari görevlerini sürdürmektedir. Kendisi, mühendislik alanında geniş bir akademik ve bilimsel çalışma geçmişine sahiptir. Teknoloji ve yenilik odaklı akademik çalışmalarıyla öne çıkan Prof. Dr. Şahingöz, üniversite-sanayi iş birlikleri konusunda da aktif rol almaktadır. Alanındaki

çok sayıda akademik yayını ve bilimsel katkısı ile akademik topluluğun önemli bir parçası olmuştur. Ayrıca, bilimsel araştırmalara yaptığı katkılar ve yüksek etkili çalışmaları sayesinde, Stanford Üniversitesi tarafından yayımlanan analizlerde dünyada en çok etkileyen %2'lik bilim insanları arasında yer almıştır.

Conclusion and Evaluation:

This meeting has contributed to the development of academic and administrative collaboration between Istanbul Aydın University and Biruni University and has paved the way for new ideas for future projects. Instructor Fatemeh Khosravi Pourian has suggested inviting Prof. Dr. Özgür Koray Şahingöz and his team to Istanbul Aydın University to facilitate more comprehensive collaborations in the development of artificial intelligence-based Electricity applications and the execution of academic projects. It is anticipated that this meeting will lay the groundwork for advanced scientific and industrial progress in the fields of power systems, intelligent control, and optimization of Electricity circuits.

EVENT

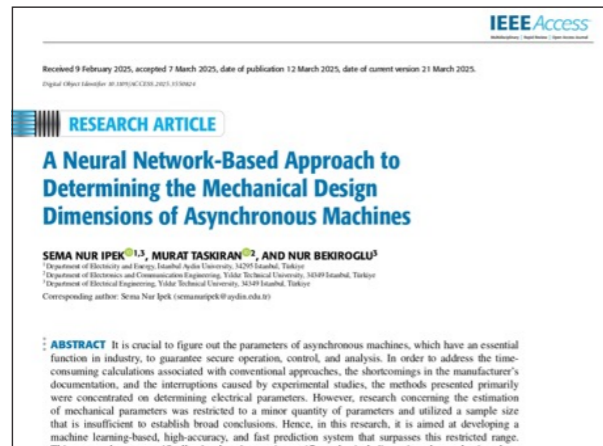


Electricity Program Industry Representative Meeting

The Electricity Program held an online meeting with Selman Salt, an Electricity program working as the QA/QC Manager at Çalık Enerji in the Irak WQ2 Field. The meeting involved discussions about industry practices and potential

enhancements for the educational program. This meeting has made a significant contribution to increasing students' awareness of the industry, keeping the program up to date, and ensuring continuous improvement.

ARTICLE



Instructor Sema Nur İpek's Article Published in IEEE Access Journal

Instructor Sema Nur İpek from the Electricity Program has published her article titled "A Neural Network-Based Approach to Determining the Mechanical Design Dimensions of Asynchronous Machines" in IEEE Access, a jour-

nal indexed in SCIE and ranked Scopus Q1 and WoS Q2. The article presents a machine learning-based method for accurately predicting the mechanical design dimensions of asynchronous machines on March 2025.

SEMINAR



Leadership Seminar Given to Court Office Services Program Students

The Court and Office Services Program at Istanbul Aydın University organized a special event on March 14th, during the Fall semester of the 2024-2025 academic year, to motivate students who achieved the highest averages. During the event, a leadership seminar was conducted by Bülent Gizer, Founding Partner and Trainer at Rota Eğitim Danışmanlık.

The seminar provided students with in-depth insights into developing leadership skills, effective communication, and strategies necessary for achieving professional success. Gizer emphasized that leadership not only requires

management skills but also personal responsibility and self-discipline. Participants gained valuable tips on how to apply the theoretical knowledge they learned in the seminar to practical situations.

The students greatly appreciated the content of the seminar. In the evaluations conducted after the event, participants indicated that the seminar contributed to both their personal and professional development. They expressed their belief that Gizer's leadership lessons would help them achieve academic success and make a significant impact in the business world.

Fashion Design Program

EVENT



Visit to the "Kayıp Alfabe" Exhibition at Feshane Art

Fashion Design Department students visited the "Kayıp Alfabe" exhibition at Feshane Art İstanbul.

Accompanied by instructor Ayca Öktem, the students of the Fashion Design Department visited the "Kayıp Alfabe" exhibition held at Feshane Art İstanbul. This practical exhibition visit reinforced the theoretical concep-

ts discussed in the fashion and installation art course. In the exhibition featuring the works of artist Ahmet Güneş Tekin, students had the opportunity to explore different interpretations of installation art.

EVENT



Visit the Istanbul Modern Exhibition

Fashion Design Department students visited the exhibition at Istanbul Modern

Accompanied by instructor Aycan Öktem, the students of the Fashion Design Department visited the Istanbul Modern Museum of Painting and Sculpture. This museum visit supported the

theoretical concepts discussed in the fashion and installation art course. By examining contemporary artworks, students gained different perspectives on installation and sculpture art.

EVENT



Iftar Gathering by 1st Year Fashion Design Students

The first-year students of the fashion design department at Istanbul Aydın University organized an iftar dinner to embrace the spirit of unity and togetherness during the month of Ramadan.

The event was attended by Instructor M. Gülgün Tekin, Instructor M. Kerim Bayrı, Instructor Esra Kaya, and Instructor Mehtap Veziroğlu, who spent a pleasant evening with

the students. The iftar gathering, where heartfelt conversations took place, became a meaningful occasion that reinforced feelings of solidarity and sharing.

EVENT



Visit The Fashion Design Department

The Fashion Design Department at Istanbul Aydın University hosted representatives from Yünsa Creation of Fabrics, one of the leading companies in the textile industry. Dr. Duygu Yavuzkasap Ayakta, R&D and Innovation Manager, and Aysu İldeniz, R&D and Innovation Project Leader, met with the department's academics to explore potential collaboration opportunities.

The meeting was attended by Department Head Instructor Nihal Bolkol, Assoc. Prof. Dr. Mustafa S. Özen, Instructor M. Gülgün Tekin, Dr. Faculty Member Emine Eryazıcı, and Instructor Esra Kaya. During the discussion, topics such as student projects, industry experience sharing, and innovative work were explored. This meeting marked an important step in strengthening academic and industry partnerships.

EVENT



Alumni Meeting in the Automotive Technology Program

In the Automotive Technology Program, we recently hosted one of our esteemed alumni, Batuhan Pala, to strengthen the connection between our students and graduates and benefit from their experiences. Batuhan Pala, who currently serves as the Product Evaluation Manager at a Fiat-authorized service center, shared valuable insights with our students about the latest developments in the automotive sector and his career journey.

During the meeting, Pala shared his experiences in the industry and provided essential tips for achieving success in the professional world after graduation. He emphasized important points for students to consider during the-

ir educational process and offered guidance on how to reach their career goals.

This meeting not only allowed our students to gain sector-specific knowledge but also strengthened the bonds with our alumni. Batuhan Pala's sincere and informative presentation was met with enormous interest by the participants. Our students learned how to plan their careers and grow in their field. We believe that such events enhance student motivation and further emphasize the importance of interactions with our alumni. We extend our gratitude to all participating students and wish Batuhan Pala continued success.

Tourism Guidance Program

EVENT



Dr. Gözde Özdemir Uçgun Participates As A Speaker In The Halkbank Metaverse Beautiful Life Program

Dr. Gözde Özdemir Uçgun, Head of the Tourism Guidance Program, was invited for the second time as a guest on the thirteenth episode of the Halkbank Metaverse Beautiful Life Program, hosted by Dr. Sinan İbiş. During the episode, Dr. Özdemir Uçgun shared valuable insights on the topics of "How Metaverse Will Impact Sustainabi-

lity in Tourism" and "The Use and Future of Metaverse and Artificial Intelligence Technologies in the Food and Beverage Industry." The event, hosted on the Metaverse platform, aired on Thursday, March 27, 2025, at 9:00 PM with the theme "Our World, Our Future," under the title "Smart Technologies in the Intersection of Health, Travel, and Tourism."

EVENT



Istanbul Tour for Tourism Guidance Program Students

On Tuesday, March 18, 2025, the Tourism Guidance Program of our university organized a one-day Istanbul tour for the first and second-year students. The tour was conducted under the guidance of instructors and professional tourist guides Kübra Çelik Kılıç and Özlem Kışlalı. During the tour, the students visited historical landmarks

on Istanbul's historic peninsula, including the Sultanahmet Mosque, Hagia Sophia Mosque, Istanbul Archaeological Museums, Basilica Cistern, and the Obelisks, while also learning about the myths and legends of Istanbul. Our instructors, who are both professional tourist guides, shared the necessary information with the students throughout the trip.

Tourist and Hotel Management Program

EVENT



Program Promotion Event

The Press, Promotion, and Public Relations Department of our university organized a promotional tour for high school students on Wednesday, March 1, 2025. During this event, a group of students from Kumburgaz Anadolu Hotel Management and Tourism Vocational High School, who were interested in learning more about the Tourism and Hotel Manage-

ment Program, were provided with comprehensive information. Program Chair and instructor Murat Özmen, Program Faculty Member and instructor Nil Ayduğan, and Tourism Guidance Program Faculty Member and instructor Kübra Çelik offered detailed insights into the university and the program.

EVENT



Aviation Training Materials Donated to Our University by Be Aero A.Ş.

From March 7 to March 18, 2025, aviation training materials donated by Be Aero A.Ş. were delivered to our university. These materials were provided with the contributions of General Manager Mr. Zeki Yılmaz Abdurrağmanoğlu, Maintenance Manager instructor Erhan Sıcak, Executive Assistant instructor Ebru Akca, and Director of Anadolu BİL Vocational School Prof. Dr. Mustafa Çıkırıkçı. The donated materials will significantly support hands-on training at the İstanbul Aydın University Aircraft Technologies Center.

The newly arrived aviation materials, sets, and equipment, which are used in the industry (such as original parts, tools, and measuring instruments for aircraft), have provided students with the opportunity to use the materials they will encounter in future work environments during their hands-on training. We extend our sincere thanks to Be Aero A.Ş. Aviation Company and the Vocational School Directorate on behalf of both our students and all the faculty members in our program. We continue to strengthen our university-industry collaboration through such initiatives.

