



FACULTY OF ENGINEERING AND ARCHITECTURE

BULLETIN

● **OCTOBER 2024** ●

WHAT YOU WILL READ IN THIS ISSUE:

News from Faculty
Actual Topics in Engineering and Architecture
Academic and Scientific Activities

**FACULTY OF ENGINEERING AND
ARCHITECTURE**

**NEWS FROM
THE FACULTY**

**• MONTHLY •
BULLETIN •**

OCTOBER 2024

NEWS FROM THE FACULTY

● COMPUTER ENGINEERING ●

COMPUTER ENGINEERING DEPARTMENT ATTENDED SAHA EXPO 2024!

The Department of Computer Engineering had the opportunity to both increase its knowledge and get to know advanced technology projects by participating in SAHA EXPO 2024, one of the world's leading fairs in the field of defense industry, aviation and space technologies.



At SAHA EXPO, research in strategic areas such as artificial intelligence, quantum computing and cyber security were presented to visitors. Participants from our department took important steps for future collaborations by exchanging information with industry representatives and the academic community.

The event not only showcased the potential of our country in the defense industry, but also provided a great opportunity to strengthen university-industry cooperation.

NEWS FROM THE FACULTY

● COMPUTER ENGINEERING ●

ORIENTATION MEETING WAS HELD FOR THE 1ST YEAR STUDENTS OF THE DEPARTMENT OF COMPUTER ENGINEERING

The orientation meeting organized for the first year students who have just started their education in the Department of Computer Engineering was attended by a large number of students. At the meeting, which was attended by the head of the department and research assistants, students were given general information about the department; detailed explanations were given on topics such as course plans, laboratory facilities, academic advising process.

In the meeting, suggestions were also shared in order to increase students' academic success and facilitate their adaptation to university life. In the session where upperclass students also contributed, information was given about social and academic activities in the department. The orientation meeting, where students' questions were also answered, supported new students to adapt to the department and the university by providing an efficient communication environment.

Having started the new academic year with excitement, the Department of Computer Engineering will continue to organize various events throughout the year to support first-year students.

NEWS FROM THE FACULTY

● INDUSTRIAL ENGINEERING ●

DEPARTMENT OF INDUSTRIAL ENGINEERING 2024–2025 ACADEMIC YEAR DEPARTMENT ORIENTATION PROGRAM HAS BEEN ORGANIZED



A Department Orientation was organized on Tuesday, October 8, 2024 at 14:00 in J-241 class for the first-year, horizontal transfer, vertical transfer students who have newly registered to our school, to get to know the department faculty members, our department, faculty, university, the services and opportunities they will benefit from, and to make them feel that they are part of the IGU family.

In this context, all our faculty members introduced themselves and a Department Orientation presentation was made by Res. Asst. Duygu Tüylü. Within the scope of the presentation, information was provided about the meaning and areas of duty of Industrial Engineering, the Department curriculum, laboratory and physical facilities, our educational and training objectives and principles, guidelines and regulations, and it was aimed to ensure that students can adapt to the School and Department more quickly.

May the 2024-2025 Academic Year be auspicious for all our students and instructors.

NEWS FROM THE FACULTY

● INDUSTRIAL ENGINEERING ●



Asst. Prof. Binnur Gürül, who works in Industrial Engineering, participated as a jury in the master's thesis defenses at Aydın University on October 1, October 8, and October 14, 2024.



YÖNTEK Club Students Visited Assoc. Prof. Binnur GÜRÜL

Istanbul Gelişim University Yöntek Club students visited Industrial Engineering Department Deputy Head Binnur Gürül and held discussions on group activities to be carried out during the semester. Istanbul Gelişim University Yöntek Club visited Industrial Engineering Department Deputy Head Binnur Gürül in her office and exchanged ideas on activities to be carried out

by the student community during the semester. This meaningful visit provided an important opportunity to strengthen academic ties with our students. We thank Yöntek Club students for their valuable initiatives and wish them successful and productive work in the upcoming period.

NEWS FROM THE FACULTY

● ELECTRICAL AND ELECTRONICS ENGINEERING ●



The A-Tech 2024 Smart Building Technologies, Electrical, Lighting and Electronics Fair held in Istanbul presented many technologies and solutions that could be useful especially in the field of electrical and electronic engineering. Topics that electrical and electronic engineering is closely interested in, such as smart building systems, LED lighting technologies and electricity-saving solutions, were included. In addition, the fair, where innovative products in the sector were exhibited, offered important content for future engineering projects such as electric vehicles and sustainable energy solutions.

NEWS FROM THE FACULTY

● CIVIL ENGINEERING ●

2024-2025 ACADEMIC YEAR OPENING CEREMONY AND HONORARY DOCTORATE AWARDING CEREMONY WAS HELD

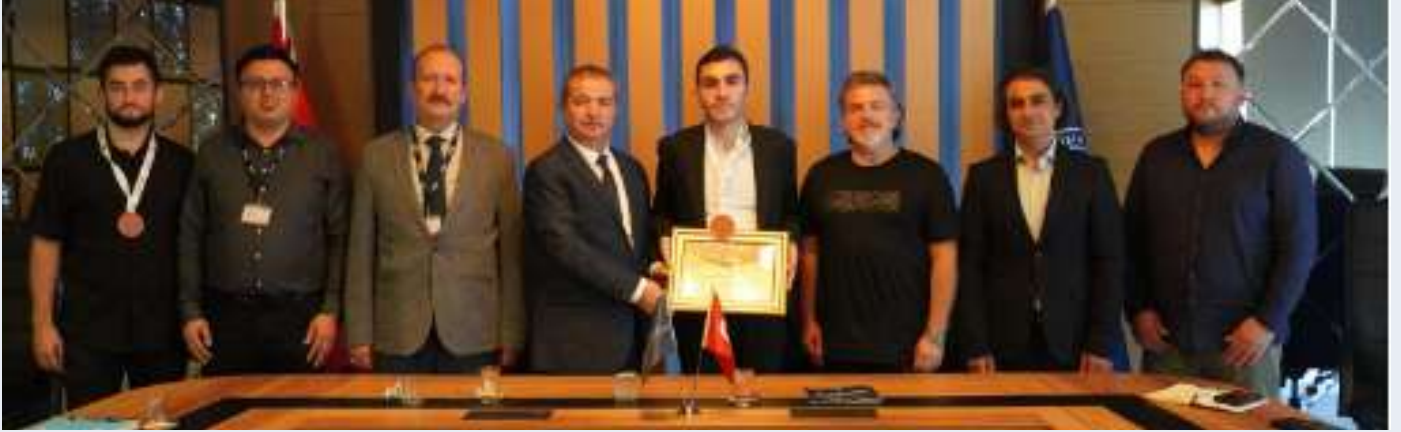


Istanbul Gelisim University opened the 2024-2025 academic year with a ceremony held on October 22, 2024. Istanbul Gelisim University Rector Prof. Dr. Bahri Şahin, Chairman of the Board of Trustees Abdülkadir Gayretli, academic staff and guests attended the ceremony. The program continued with a moment of silence and the National

Anthem, followed by the screening of the introductory film of the university. Rector Prof. Dr. Bahri Şahin, who made the opening speeches, wished that the 2024-2025 academic year would be successful and productive for our university and our students. Chairman of the Board of Trustees Abdülkadir Gayretli emphasized the mission of Istanbul Gelisim University to be a pioneer in scientific and technological developments. One of the most important moments of the ceremony was the awarding of the honorary doctorate diploma to Mr. Binali Yıldırım and the opening speeches. In his speech, Mr. Binali Yıldırım appreciated the contributions of Istanbul Gelisim University to the world of science and education and expressed his belief in the future achievements of the university.

NEWS FROM THE FACULTY

● MECHATRONICS ENGINEERING ●



In the ISIF24 International Invention Expo organized under the Ministry of Industry and Technology and the Turkish Patent and Trademark Office within the scope of Teknofest 2024, the invention of Smart Glasses with Artificial Intelligence and Cyber Security Features for Visually Impaired Individuals by Asst. Prof. Serkan Gönen, Asst. Prof. Kenan Şentürk, Res. Asst. Tunay Acıman and graduate student Furkan Onur took part in the bronze category.

● ARCHITECTURE ●



Department of Architecture instructor Dr. İlknur Türkoğlu participated in the symposium organized by Kırklareli University on October 22-23 and presented a paper titled "The Importance of Animation Drawings in Explaining Scientific Data to

Visitors in Archaeological Sites: Aşağı Pınar Open Air Museum." The paper focused on the methods used in translating scientific data to visitors in archaeological sites, museums and visitor centers and the importance of animation drawings. In this context, examples were given from the works carried out by Türkoğlu in the exhibition area of Aşağı Pınar Open Air Museum in Kırklareli.

NEWS FROM THE FACULTY

● ARCHITECTURE ●



An orientation program was organized for the students of the Department of Architecture (Turkish) on 07.10.2024 and for the students of the Department of Architecture (English) on 08.10.2024. During the orientation, general information about the department was given to the first-year students of the Department of Architecture.



On 25.10.2024, a conference titled "Artificial Intelligence and Architecture" was held at the Mehmet Akif Ersoy Conference Hall with the participation of Fatih Ekşi. This event provides an opportunity to explore the innovative applications of artificial intelligence in the field of architecture and its visions for the future. The event was met with interest by the academicians and students of the Department of Architecture and Interior Architecture.

NEWS FROM THE FACULTY

● ARCHITECTURE ●

ARC 202 ARCHITECTURAL DESIGN II- TECHNICAL TRIP



The design problem for ARC202 Architectural Design II is a Community Center - Social Center in an urban historical area. The Social Center will be designed as a “multifunctional” and “flexible solidarity space” where basic needs such as shelter, food, education and health can be provided. The center will serve as a cultural center for the community while encouraging an innovative thinking environment and will provide public meeting, exhibition and workshop areas. The center should also be adaptable to possible crisis situations (for example, it can serve as a post-disaster gathering place, provide a “public kitchen” or provide temporary shelter for the community). Students who chose the course within the scope of the project organized a technical trip on Tersane Street and the Golden Horn coast on Tuesday, 08.10.2024, together with the course instructor Assoc. Prof. İlke Ciritci. Students chose their own plots to work on from the given area and conducted their analyses. At the same time, discussions were held with students on the concepts of ‘Gentrification / Participatory Planning / Flexibility / Diversity / Sustainability / Accessibility / Transparency / Open Plan / Low Cost but High Design Quality / Permanent and Temporary Structures / Co-Existence / Cohabitation / Flaneur Walk’.

NEWS FROM THE FACULTY

● ARCHITECTURE ●

MIM313 HISTORICAL ENVIRONMENT PROTECTION AND RESTORATION – TECHNICAL TRIP



A technical trip, in which participation is not mandatory, was held on Thursday, October 10, 2024, which coincided with the students' free day within the scope of the Historical Environment Protection and Restoration course. Volunteer students participated in the trip. The instructor of the course, Assoc. Prof. İlke Ciritci, explained the importance of architecture in historical environment to the students through the example of Beyoğlu. The trip, which started from Taksim Square, started with a re-functioned structure that IMM has brought to the city as the Republic Museum today. The trip, which was made on the Istiklal Street route, was carried out by examining period structures, especially through passages that were period structures.

NEWS FROM THE FACULTY

● ARCHITECTURE ●



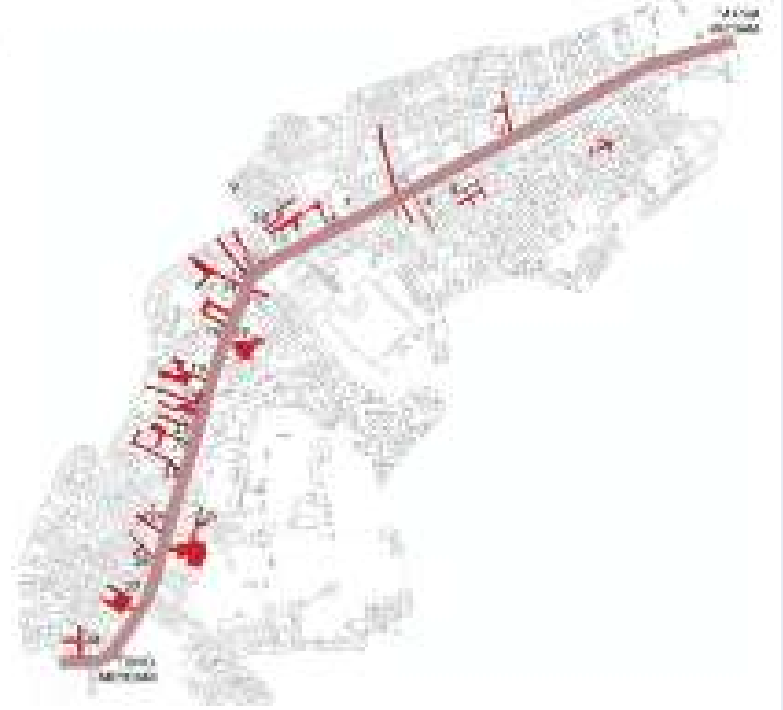
The modernization and renewal movements observed in Beyoğlu/Pera have created a tendency for the local people to live a lifestyle similar to European cities in social terms. Works such as widening, cleaning and lighting the streets of Beyoğlu have been initiated. Restaurants, coffeehouses and stores selling products brought from Europe have started to open along Beyoğlu Street. Hotels and passages where foreigners coming to Beyoğlu/Pera stay are also the types of structures seen intensively for the new regulars of Beyoğlu/Pera since the mid-19th century. Passages and passages have become indispensable elements of Pera, both architecturally and commercially, especially after the second half of the 19th century.

NEWS FROM THE FACULTY

● ARCHITECTURE ●

1. Afrika Pasajı
2. Rumeli Pasajı
3. Alibon Geçidi
4. Anadolu Pasajı
5. Halap Pasajı
6. Atlas Pasajı
7. Tokatlıyan Pasajı
8. Çiçek Pasajı
9. Lütlülük Pasajı
10. Krepen (Aşirhan) Pasajı
11. Avrupa Pasajı
12. Tünelci Çıkmaç
13. Aznavur Pasajı
14. Hacıpulu Pasajı
15. Galatasaray Pasajı
16. Oliva Geçidi
17. Saint Antoine Geçidi
18. Saka Çıkmaç
19. Odakula Geçidi
20. Latin Çıkmaç
21. Deva Çıkmaç
22. Lorand Korman Çıkmaç
23. Terkoz Çıkmaç
24. Suriye Pasajı
25. Santa Maria Geçidi
26. Şark Aynalı Pasajı
27. Nemezi Han Geçidi
28. Tünel Geçidi

Tokatlıyan ve Lütlülük Pasajı mevcut değildir.

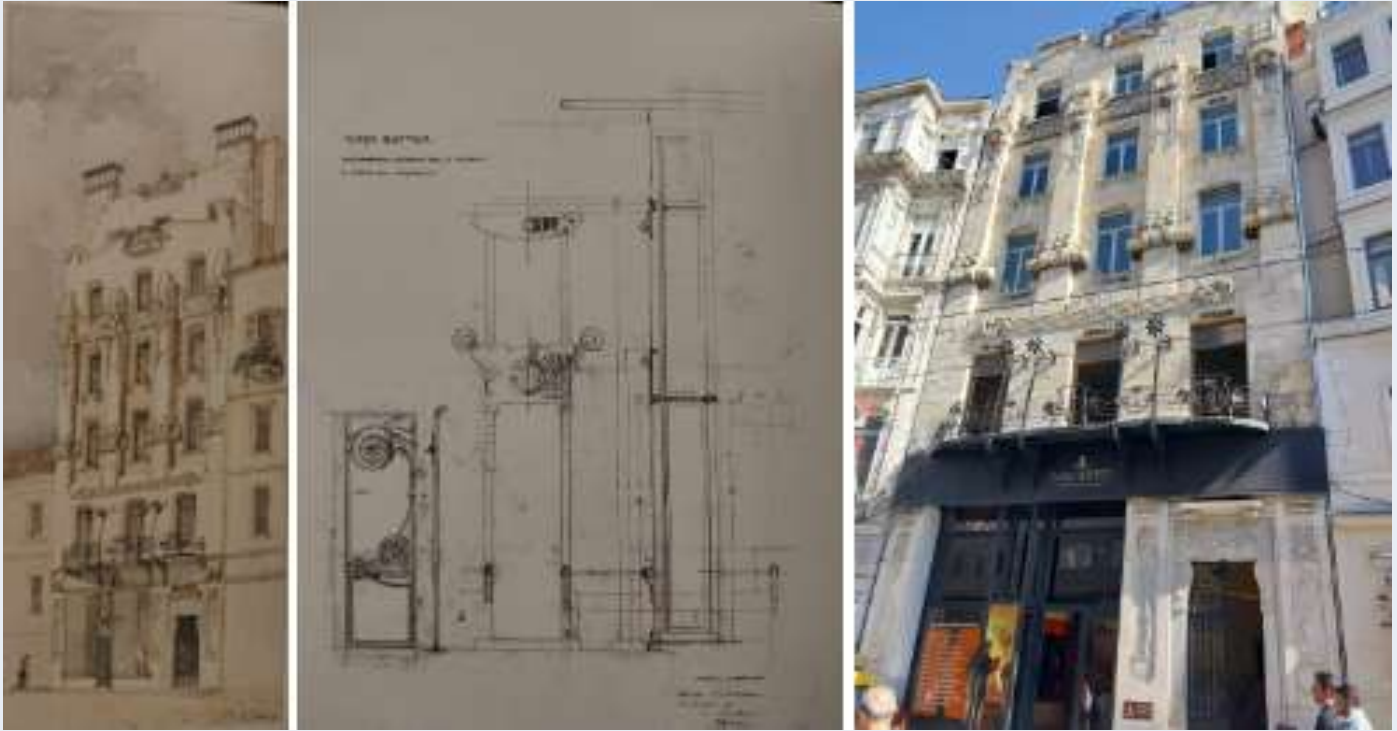


Resim 2. İstiklal Caddesi'nde yer alan pasaj, han geçitleri ve çıkmaçlar (Yazarlar tarafından hazırlanmıştır.)

The structures that constitute an important part of Pera and reveal its identity are the passages and the goods sold in these areas, especially on and around the main artery, Grand Rue de Pera. The small and large passages that were built have made the area a center of attraction for women and young people. The passages, which have shops selling goods for the upper class on their lower floors, have mostly houses or shops on their upper floors. Beyoğlu, which has been frequently damaged by fires in previous periods (1811, 1831, 1857), experienced a major fire in 1870 that resulted in the burning of the British Embassy Building and around three thousand houses and shops. After the Pera fire of 1870, these passages, mostly built of masonry, attract attention with their ostentatious facades, large-scale and bright galleries. The passages are transitional elements between the entertainment and commercial venues connecting Grand Rue de Pera to its complex and narrow backstreets and the residential texture. The passages positioned perpendicular or parallel to the main axis describe a different public space. They are places where capitalist production-consumption forms outside the traditional Ottoman system are made visible.

NEWS FROM THE FACULTY

● ARCHITECTURE ●



The tour ended at the Botter apartment. The building is by one of the important architects, D'Aronco. Built for the Sultan's tailor, Dutchman Jean Botter, the apartment is located on the central Rue de Pera (today's Istiklal Street) and has workshops and a shop on the ground floor and rooms on the upper floor.



The decorative pieces, including the wrought iron on the railings and door and window frames, clearly bear an Art Nouveau influence, making this building the first and most important example of the new style in Istanbul. Today, the ground floor serves as an exhibition space and the upper floors serve a public cultural function as a library and offices. The details of the building were examined with the students, and the tour ended with a walk to Galata.

NEWS FROM THE FACULTY

● AERONAUTICAL ENGINEERING ●



ISIF24 INTERNATIONAL INVENTION FAIR

As part of TEKNOFEST 2024, the ISIF24 International Invention Fair was held under the auspices of the Ministry of Industry and Technology and the Turkish Patent and Trademark Office. This significant event saw the inventions of Istanbul Gelişim University evaluated by a jury and awarded.

Research assistants Hüseyin Furkan Çelik and Oktay Mayuk from the Department of Aircraft Engineering participated in the fair with their project, "Electric Fan Motor Vertical Takeoff and Landing Unmanned Aerial Vehicle." Their remarkable work earned them a bronze medal.

ISIF24 was organized with the collaboration of the Ministry of Industry and Technology, TÜRKPATENT, the World Intellectual Property Organization (WIPO), and the International Federation of Inventors' Associations (IFIA). The event saw participation from 16 countries. The jury determined the award winners from a total of 354 inventions, of which 298 were domestic and 56 were foreign.

As IGU, we take pride in being represented on the international stage with our inventions and sharing our successes. We continue to work with excitement to maintain this level of achievement in future projects

**FACULTY OF ENGINEERING AND
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**ACTUEL TOPICS IN
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ACTUEL TOPICS IN ENGINEERING AND ARCHITECTURE

● INDUSTRIAL ENGINEERING ●

AGILE MANUFACTURING AND INDUSTRIAL ENGINEERING: RAPID RESPONSE TO THE NEEDS OF THE NEW AGE – RES. ASST. DUYGU TÜYLÜ



In today's rapidly changing competitive environment, businesses must respond to customer demands quickly, flexibly and efficiently. As a result of these requirements, the concept of agile manufacturing has begun to take its place at the center of industrial processes. Agile manufacturing has become an important area, especially for industrial engineers; because this concept includes not only the speed of adaptation of the technological infrastructure, but also the effective management of all stages of the production process.

ACTUEL TOPICS IN ENGINEERING AND ARCHITECTURE

● INDUSTRIAL ENGINEERING ●

From an industrial engineering perspective, agile manufacturing goes one step beyond approaches such as lean manufacturing, total quality management and flexible manufacturing systems. Thanks to agile manufacturing, the production line can be quickly restructured in accordance with variable demands. In addition, agile manufacturing methods increase the effective use of the workforce, increase employee motivation and support a culture of continuous improvement in processes.

In this context, the contributions of industrial engineers to the agile manufacturing process start from areas such as demand forecasting and resource planning and extend to production design, process optimization and data analytics. The integration of technologies such as artificial intelligence and data science and the further strengthening of agile manufacturing processes allow industrial engineers to expand their areas of expertise and accelerate decision-making processes. As a result, the adoption of the agile manufacturing approach plays an important role in the new generation application areas of industrial engineering. Industrial engineers increase the rapid adaptation capabilities of businesses and guide the production systems of the future by developing agile manufacturing approaches.

ACTUEL TOPICS IN ENGINEERING AND ARCHITECTURE

● MECHATRONICS ENGINEERING ●

Role of Sensors in Mechatronics

Sensors are devices that transform the physical world into digital information. They provide the data necessary for a system to perceive, analyze and act on its environment. Sensors used in mechatronics engineering are used in many functions, from controlling the movement of a robot to adjusting the speed of machines in industrial production lines. Sensors that measure various parameters such as pressure, temperature, position, speed, acceleration and humidity are critical in modern mechatronic systems.

Next Generation Sensor Technologies

There have been significant advances in sensor technology in recent years.

Top features of the next generation of sensors:

High Precision and Reliability

Sensors that offer advanced precision enable industrial robots to operate with millimeter accuracy. This high precision is especially important in medical robots, biomechatronic devices and sensitive manufacturing processes. These sensors increase reliability by minimizing the margin of error.

High Speed Data Processing and Real-Time Response

The new generation of sensors collects and processes data quickly. This enables robots or automation systems to react instantly. Especially in production lines that need to run at high speed, fast response time is a big advantage.

ACTUEL TOPICS IN ENGINEERING AND ARCHITECTURE

● MECHATRONICS ENGINEERING ●

Wireless and Remote Detection Capabilities

Wireless sensors integrated with IoT make mechatronic systems more versatile. This feature enables remote monitoring and control in intelligent facilities. Sensors with wireless connectivity enable easier management of systems, especially in industrial areas.

Energy Efficiency

The low energy consumption of the new sensors ensures that mechatronic systems can operate longer and maintenance requirements are reduced. Energy efficiency is a major advantage, especially in mobile or autonomous systems.

Application Areas

Robotic Systems: Due to position and motion sensors, robots detect environmental obstacles and can detect and process objects. Sensors ensure the safe operation of industrial robots, making it possible for humans and robots to work safely side by side.

Industrial Automation: In the production line, sensors that continuously measure parameters such as temperature, pressure, speed and humidity ensure accurate and stable operation of the automation. In addition, due to these sensors, the machines can adjust themselves according to the working conditions, which saves energy.

Smart Devices and Home Automation: Intelligent home systems, a reflection of mechatronics engineering extending to homes, use motion and temperature sensors to ensure energy efficiency. In addition, security and comfort-enhancing sensors make smart devices user-friendly.

ACTUEL TOPICS IN ENGINEERING AND ARCHITECTURE

● MECHATRONICS ENGINEERING ●

Medicine and Biomechatronics: Sensors that measure biological parameters such as heartbeat, blood pressure and body temperature enable medical devices to provide accurate diagnosis and treatment. These sensors are used in medical robots for many functions that require precision and reliability.

Future Aspects in Sensor Technologies

With the advancement of next-generation sensors, systems that offer higher efficiency and safety will continue to be developed. In particular, AI-enabled sensor systems can analyze data and enable the system to make automatic adjustments under certain conditions. In addition, work on environmentally friendly and biodegradable sensors continues apace to contribute to a sustainable future. These developments in sensor technology are one of the main factors that pave the way for innovations in mechatronics engineering. Due to these developments, it is possible for systems to become much more efficient in important areas such as precision and speed. With the advancement of technology, sensors will become structures that produce more information in more complex systems and can process this information effectively.

ACTUEL TOPICS IN ENGINEERING AND ARCHITECTURE

● SOFTWARE ENGINEERING ●

CURRENT DEVELOPMENTS IN DEVELOPER TOOLS AND AUTOMATION

● RES. ASST. SEVCAN BULUT



GitHub Copilot and AI-Powered Developer Tools

AI-powered assistant tools play a critical role for software developers looking to boost coding speed while reducing error rates. GitHub Copilot enhances productivity through its suggestion and auto-completion capabilities and offers a more integrated experience with plugins for development environments like VS Code and IntelliJ. It stands out for providing smooth adaptation and high efficiency in workflows, benefiting both new users and experts.

ACTUEL TOPICS IN ENGINEERING AND ARCHITECTURE

● SOFTWARE ENGINEERING ●

The Importance of CI/CD (Continuous Integration and Continuous Deployment) Processes

Continuous Integration (CI) and Continuous Deployment (CD) processes are crucial for delivering rapid, reliable, and continuous updates in the software development world. CI/CD tools enable the continuous integration and fast testing of code changes, ensuring early detection of potential errors. Tools like GitLab CI, Jenkins, and CircleCI streamline work across multiple integration environments, making processes secure and error-free.

Advanced Monitoring and Logging Tools

In modern software development, monitoring and logging are essential for performance management and error detection. The immediate identification of potential issues, especially in complex systems, is vital to prevent operational disruptions. Tools such as Prometheus, Grafana, and ELK (Elasticsearch, Logstash, Kibana) ensure system stability and minimize issues that could negatively affect user experience.

Automation and Efficiency Gains: Ansible, Chef, and Terraform

Today's software engineering teams heavily utilize automation tools that save time in infrastructure management. Tools like Ansible, Chef, and Terraform enable the fast and error-free configuration of systems. These tools also allow software teams to reduce operational risks associated with manual configurations, leading to more consistent and scalable solutions.

**FACULTY OF ENGINEERING AND
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**ACADEMIC AND
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ACADEMIC AND SCIENTIFIC ACTIVITIES

● ELECTRICAL AND ELECTRONICS ENGINEERING ●

Assist. Prof Dr. Khalid Yahya and his colleagues published their article titled “A Comprehensive Evaluation Model for Sustainable Supply Chain Capabilities in the Energy Sector” in the SCI Q1 indexed Sustainability journal. This study makes a significant contribution to the field of sustainable supply chain management in the energy sector.

Assist. Prof Dr. Faycal Saffih’s article titled A Novel Approach for Phobia Analysis Using EEG and ECG Physiological Signals and Artificial Intelligence(AI) has been accepted to the “8th International Symposium on Innovative Approaches in Smart Technologies” which will be held in Istanbul, Turkey between December 06, 2024 and December 07, 2024.

● INDUSTRIAL ENGINEERING ●



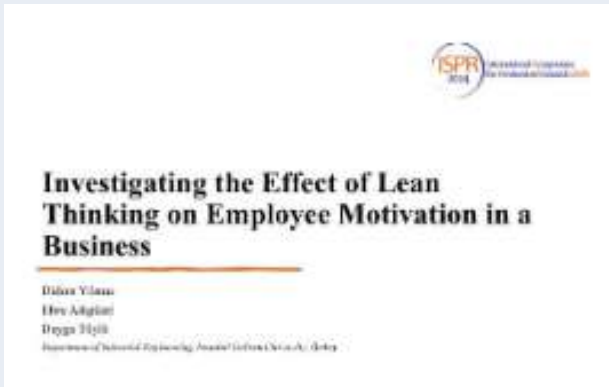
The paper titled “Multi-Objective Mixed Integer Linear Programming Model for Green Vehicle Routing Problem” written by Res. Asst. Nesrin Kolukırık, who works at the Department of Industrial Engineering at Istanbul Gelişim University, was presented at the 43rd National Congress of Operations Research and Industrial Engineering (YAEM) held at Karadeniz Technical University in Trabzon on October 2-4.

ACADEMIC AND SCIENTIFIC ACTIVITIES

● INDUSTRIAL ENGINEERING ●



The paper titled "Artificial Intelligence-Assisted Decision Tree Study for the Detection of Occupational Safety Risks" written by Asst Prof. Didem Yılmaz, Asst Prof. Binnur Gürül and Industrial Engineering student Mustafa Bozkuş from the Department of Industrial Engineering at Istanbul Gelişim University was presented at the 43rd National Congress of Operations Research and Industrial Engineering (YAEM) held at Karadeniz Technical University in Trabzon on October 2-4.



The paper titled "Investigating the Effect of Lean Thinking on Employee Motivation in a Business" written by Asst Prof. Didem Yılmaz, Res. Asst. Duygu Tüylü and Industrial Engineering student Ebru Adıgüzel from Istanbul Gelişim University, Department of Industrial Engineering was presented at the 24th International Symposium for Production Research (ISPR) held on October 10-12.

ACADEMIC AND SCIENTIFIC ACTIVITIES

● INDUSTRIAL ENGINEERING ●



The paper titled “Enhancing Stock Price Prediction with Extreme Learning Machine and Multi-Indicator Fusion: A Comparative Study” written by Asst Prof. Binnur Güröl, who works at the Department of Industrial Engineering at Istanbul Gelişim University, was presented at the 24th International Symposium for Production Research (ISPR) held on October 10-12.



The paper titled “Bibliometric Analysis of Research on Food Supply Chain Optimization” written by Res. Asst. Nesrin Kolukırık, who works at the Department of Industrial Engineering at Istanbul Gelişim University, was presented at the 22nd International Logistic and Supply Chain Congress (LMSCM) held at İstinye University in Istanbul on October 17-18.



The study titled “Agile Organization: Innovative and Flexible Business Model” written by Assoc. Prof. Umut Hulusi İnan and Res. Asst. Duygu Tüylü, who work at Istanbul Gelişim University, Department of Industrial Engineering, was published in the “Engineer and Machine” journal of the Chamber of Mechanical Engineers.

ACADEMIC AND SCIENTIFIC ACTIVITIES

● CIVIL ENGINEERING ●

Assist. Prof. Sajedah N. SIGAROODI, one of our Civil Engineering department members, published a chapter titled “Statistical Analysis of the Effect of Socioeconomic Factors on Student Education and Academic Achievement” in the international book *Advanced Research in Mathematics, Technology, and Social Sciences*.

The article titled “A Systematic Risk Assessment Approach for Urban Roadside Infrastructure Assets” co-authored by Assist. Prof. Mustafa Yurdabal APAK, one of our Civil Engineering department members, was published in the journal *Structure and Infrastructure Engineering*.

Res. Assist. Oğuzhan Murat HALAT, one of our Civil Engineering research assistants, co-authored a proceeding paper titled “Meriç’ten Fırat’a Açık Kaynak Kodlu Dağılımlı Hidrolojik Modelin 15 Mart Burmapınar Taşkın Benzeşimlerinin İrdelenmesi” which was presented at the 12th National Hydrology Congress held in Samsun between October 16-19 and published in the proceedings booklet.

The paper titled “Improving Seismic Performance of Retaining Structures Using a Sustainable Geomaterial” co-authored by Res. Assist. Bilge Sultan DEMİRTAŞ, one of our Civil Engineering research assistants, has been accepted to present the paper titled “Improving Seismic Performance of Retaining Structures Using a Sustainable Geomaterial” at the 4th Asia-Pacific Conference on Physical Modeling in Geotechnics.

ACADEMIC AND SCIENTIFIC ACTIVITIES

● CIVIL ENGINEERING ●

Res. Assist. Bilge Sultan DEMİRTAŞ, one of our Civil Engineering faculty research assistants, has been accepted to present the paper titled “Effects of Tire Waste Type on Seismic Performance of Retaining Wall with a Tire Waste-Sand Cushion Layer” at An International Conference Series of Nepal Geotechnical Society - Geotechnics for Sustainable Infrastructure.

Res. Assist. Şeymus Can TUNÇ, one of our Civil Engineering research assistants, co-authored a proceeding paper titled “2023 Kahramanmaraş Depremlerinde Su ve Kanalizasyon Sistemlerinde Gözlemler” which was presented at the 19th National Conference on Soil Mechanics and Geotechnical Engineering held in Ankara and published in the proceedings booklet.

Abdülbaki HACI, one of our Civil Engineering technic staff, co-authored a proceeding paper titled “Ünye Cevizdere'de Meydana Gelen Taşkın Nedenlerinin İncelenmesi ve Çözüm Önerilerinin Geliştirilmesi” and “15 Mart 2023 Tarihinde Şanlıurfa'da Meydana Gelen Sel Afetinin Hidrolojik ve Hidrolik Modelleme ile İncelenmesi” which was presented at the 12th National Hydrology Congress held in Samsun between October 16-19 and published in the proceedings booklet.

ACADEMIC AND SCIENTIFIC ACTIVITIES

● MECHATRONICS ENGINEERING ●



applied sciences

an Open Access Journal by MDPI

Mechatronics Engineering faculty member Asst. Prof. Haydar Kepekçi's article titled "Thermodynamic Analysis of Marine Diesel Engine Exhaust Heat-Driven Organic and Inorganic Rankine Cycle Onboard Ship" was published in Applied Sciences journal with SCI comprehensive Q1 impact factor.



Journal of
*Marine Science
and Engineering*

an Open Access Journal by MDPI

Mechatronics Engineering faculty member Asst. Prof. Haydar Kepekçi's article titled "Thermodynamic Analysis of a Marine Diesel Engine Waste Heat-Assisted Cogeneration Power Plant Modified with Regeneration Onboard a Ship" has been published in SCI comprehensive Journal of Marine Science and Engineering with Q1 impact factor.

• TAG •

COORDINATOR

Prof. Dr. Necmettin Maraşlı

CONTENT EDITORS

Res. Asst. Betül GÖK
Res. Asst. Elif ÖZTÜRK
Res. Asst. Sevcan BULUT
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Res. Asst. Melis Özşahin TOKER
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Res. Asst. Oğuzhan Murat HALAT
Res. Asst. Ufuk ATEŞOĞLU
Res. Asst. Erdi ACAR

DESIGN AND EDITING

Asst. Prof. Aytek ALKAYA
Res. Asst. Beray İKİNCİ

CONTACT

(+90) 212 422 70 00
<http://mmf.gelisim.edu.tr/en/>