FACULTY OF ENGINEERING AND ARCHITECTURE

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What you will read in this issue

TAG

COORDINATOR

PROF.DR. NECMETTİN MARAŞLI

CONTENT EDITORS

Res.Asisst. Beray İKİNCİ
Res.Asisst. Hazal TÜRKMEN YAZGAÇ
Res.Asisst. Mehmet Ali BARIŞKAN
Res.Asisst. Mustafa Cem AVCI
Res.Asisst. Nurdan TÜYSÜZ
Res.Asisst. Oğuzhan Murat HALAT
Res.Asisst. Tunay ACIMAN

DESIGN AND EDITING

Lecturer Burak Kaan YILMAZSOY
Res.Asisst. Hazal TÜRKMEN YAZGAÇ

CONTACT

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

NEWS FROM

THE FACULTY

ELECTRICAL AND ELECTRONICS ENGINEERING

- In the Hasan Sabriye Gümüş Anatolian High School event, which will take place on March 1, 2023, Electrical and Electronics Engineering laboratories were introduced between 11:00 and 11:30.
- Electrical and Electronics Engineering laboratories were introduced at the Hadımköy Orfi Çetinkaya Anatolian High School event and Kazım İşmen Anatolian High School event held on March 16-17, 2023.
- Electrical and Electronics Engineering laboratories will be introduced at the Bağcılar Anatolian High School and Sultançiftliği Anatolian High School events to be held on 28.30 March 2023.

INDUSTRIAL ENGINEERING

- One of our faculty members working in the IGU Industrial Engineering Department, Assist. Prof. Dr. Binnur Gürül participated as a jury member in the defense of Vildan Bayram's thesis, which was held to complete his doctoral education in Istanbul Aydın University Graduate Education Institute, Department of Business Administration. Vildan Bayram successfully passed his doctoral thesis defense in front of the jury and received the title of doctor.

- Working at IGU Faculty of Engineering and Architecture, Department of Industrial Engineering, Assist Prof. Dr. Didem Yılmaz, on March 3 and 8; Assist. Prof. Dr. Binnur Gürül, on March 9 and 28; Prof. Dr. Kenan Özden, on March 16 and 17; introduced our department laboratory and university to high school students. We would like to thank our valuable teachers who shared the meaning and duties of Industrial Engineering, the curriculum of the Department, laboratory and physical facilities, and our educational goals and principles with high school students.

CIVIL ENGINEERING

After the earthquake that took place in Kahramanmaraş on February 6, 2023, our faculty members and students attended the seminar titled "Damage and Causes of Collapse in Reinforced Concrete Structures Due to Earthquake" given by one of our faculty members, Assoc. Prof. Dr. Anıl NİŞ.

Assoc. Prof. Dr. Anıl NİŞ remarked that the fact that the ground floor and sometimes some of the upper floors of the buildings are car parks or shops with glass showcases caused their destruction.

Reasons such as weak column-strong beam, short column, cutting of columns, beam not connected to columns, lack of earthquake shear walls in the structure, low concrete quality, flat and low strength of construction reinforcement, absence of stirrups, rusting due to the use of sea sand cause heavy damage or destruction in the earthquake.

Assoc. Prof. Dr. Anıl NİŞ, who also warned against a possible Marmara Earthquake, added that houses must be inspected at certain periods, similar to the inspection of vehicles. Especially in multi-storey buildings, the renovations made by the site management must be examined very seriously. Some homeowners and shop owners may intentionally or unintentionally damage the structural system of the building during the renovation. The structural system such as columns, shear walls, beams should never be removed.

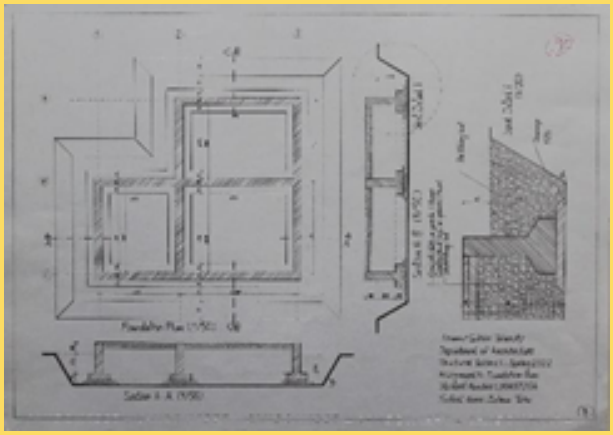
ARCHITECTURE

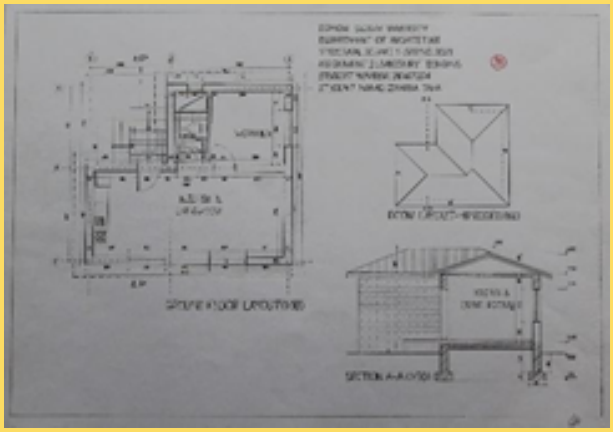
A field trip was organized within the scope of the "Arc420 Diploma Project" course

A field trip was organized with the project coordinators and students on 21.03.2023 within the scope of the "Arc420 Diploma Project" course of the Department of Architecture English. During the trip organized by Dr. Meryem Fındıkgil, Dr. Semih G. Yıldırım and Dr. Paul Agboola, environmental factors, land topography, and vegetation were examined on site with the students. “Fair and exhibition center” has been chosen as the subject of the spring semester diploma project, and the project area is located on the Anatolian side of Istanbul, next to Sabiha Gökçen Airport.

Curriculum Study for “Structural Science 1, 2” Courses from Technology Group Courses

The curriculum work of the "Structural Science 1, 2" courses, which are among the technology group courses, were carried out by the professors of the Department of Architecture, Dr. Semih G. Yıldırım and Dr. Erdal Yıldız. It was initiated under the leadership of Dr. Erdal Yıldız, and primarily aims to produce catalog components. These catalog components that make up the assignments support the practice. It is planned to create a course improvement plan with course-based educational performance measurements in Turkish and English Architecture Departments. Since this research covers a course spanning two semesters, it is anticipated that it will be a one-year study and its results are aimed to be published in an article.

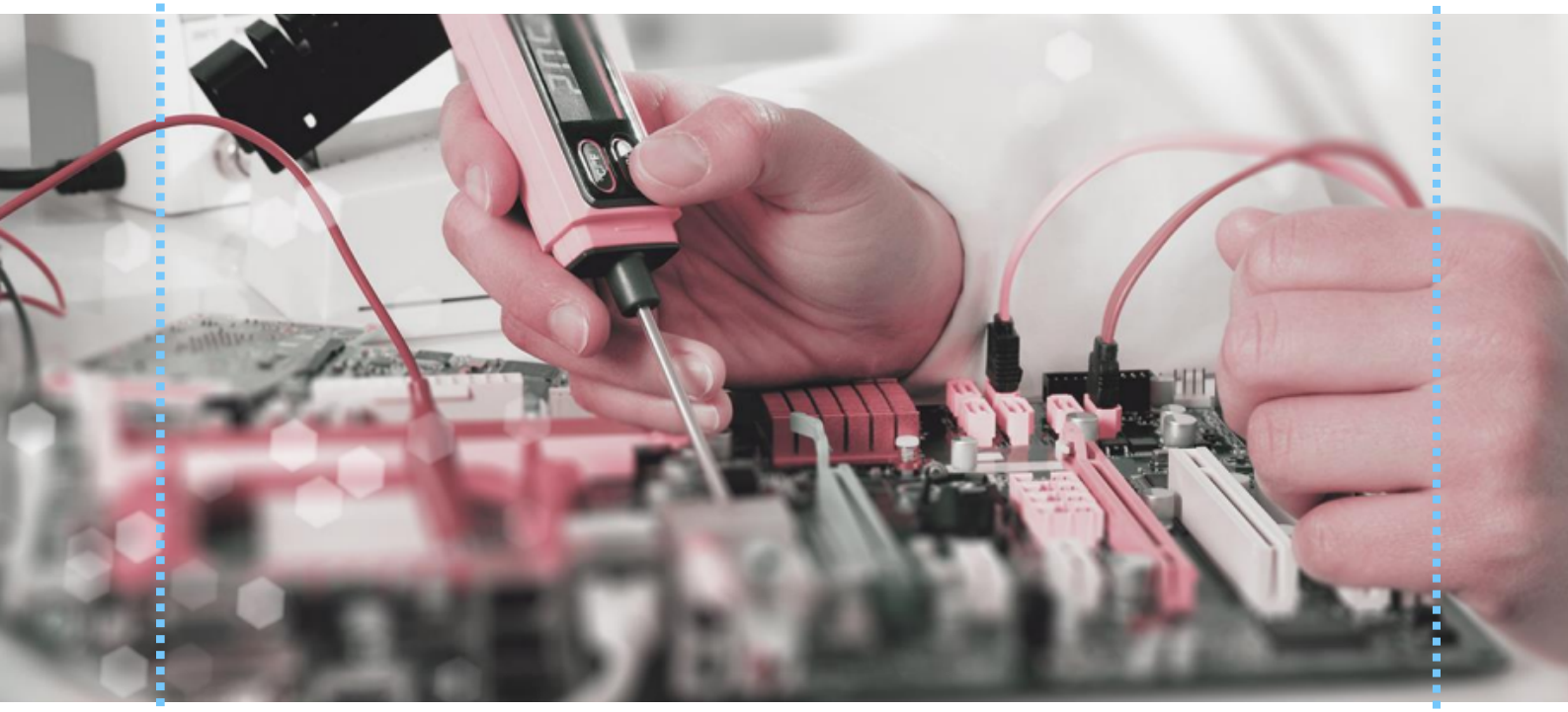




A field trip within the scope of ARC347 New Design in Historical Environments course

On Sunday, 19 March 2023, a field trip was made with the Architecture English Department Students at 11:00, ARC347 New Design in Historical Environments course, and Architecture Turkish Department Students at 13:00 within the scope of MIM347 New Design in Historical Environment course, which is the Turkish version of the same course. Lecturer Assoc. Prof. İlke Ciritci stated that Yeşilköy's historical wooden houses and streets that preserve its historical texture are one of the study areas of the applied course. During the trip, the analysis of the study areas was made, the students were taught what the qualified annexes of historical buildings, one of the most important cultural heritages that should be preserved on site, how the formation developed, the character of the street texture, what new functions and annexes could be, and how to determine the basic architectural principles for new annexes. stressed the discussion.

ACTUEL TOPICS IN



ENGINEERING AND ARCHITECTURE

Ytong Architectural Ideas Competition 2023 Applications have ben started

An invitation was made to the Architectural Ideas Competition, which will be held this year by Ytong. The call text is as follows:

"The theme of the 21st Architectural Ideas Competition, organized by Türk Ytong this year, was announced as "REAGAIN: Architecture as a Transformation and Evaluation Tool". This year, Ytong Architectural Ideas Contest proposes to discuss architecture as a means of transformation and evaluation, emphasizing that architecture is a field that is open not to do as much as to do, but to "re-evaluate" the existing one, and to create another new production by articulation if necessary. PLUG Office Founder Master Architect Buşra Al, Yeditepe University Faculty of Architecture Dean Prof. Dr. Ece Ceylan Baba, FIELDS Co-Founder Master Architect Eren Çıracı, METU Architecture Department Lecturer Prof. Dr. Citizens of Turkey and TRNC can participate in the competition free of charge, in which Celal Abdi Güzer and NSMH Founder Architect Nevzat Sayın are jury members. The participation of other disciplines as team members is encouraged to the competition, where architects and architecture students can participate as team representatives. In the competition, which can be applied as a team or individually, until April 25, 2023, the winning teams will be awarded with an "Athens Trip".

Cybersecurity and Social Engineering Attacks: The Impact of Human Vulnerabilities in the Digital World

In today's world, with the rapid development of technology and the widespread use of the internet, cybersecurity has become a crucial issue. Cybersecurity is the set of practices and technologies aimed at protecting computer systems, networks, and data from unauthorized access and malicious attacks. In this context, cyberattacks and cybersecurity breaches are increasing day by day, with social engineering attacks being a significant component of these attacks.

Social engineering is a method that aims to bypass security systems by exploiting human vulnerabilities. Attackers manipulate people's trust, helpfulness, and curiosity to obtain sensitive information from them. **These attacks are carried out using various methods, and here are some important examples:**

Phishing: Attackers persuade users to click on messages disguised as genuine or enter personal information through fake emails or websites. This way, they capture users' account information, passwords, and other sensitive data.

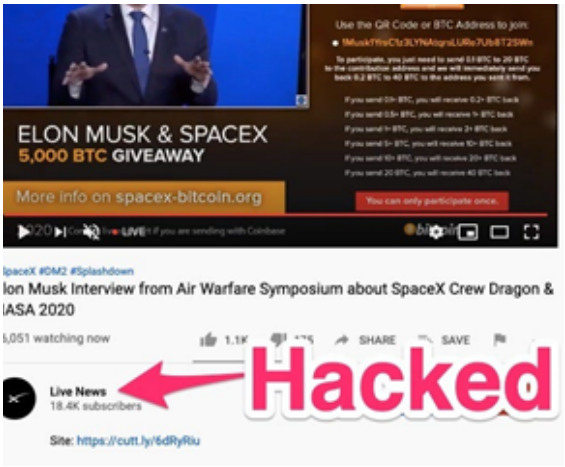
Pretexting: Attackers fabricate lies and stories to obtain sensitive information or access from their targets. For example, they may use a fake identity to request personal information about an employee within a company.

Baiting: Attackers approach their targets with enticing offers to extract information or access. For instance, by offering free USB drives or other devices, they can infect targets' devices with malware.

Tailgating: Attackers attempt to get close to their targets by infiltrating a secure area without authorization. For example, they can sneak into a company building by following an employee who uses a security card to enter.

Quid Pro Quo: Attackers approach their targets by promising mutual assistance, aiming to gain sensitive information or access. For example, they may offer help as a fake technical support staff to gain access to a target's computer.

The primary reason for the success of social engineering attacks is that people naturally tend to establish social relationships based on trust and cooperation. Therefore, no matter how strong cybersecurity measures are, complete security cannot be achieved without considering the human factor.



To ensure cybersecurity and prevent social engineering attacks, individuals and organizations need to be conscious and cautious in the face of suspicious situations. Here are some measures to take for this purpose:

1.Education and Awareness:

Businesses should regularly provide cybersecurity training to their employees and inform them about how social engineering attacks are conducted. It is also essential for individuals to receive training to recognize such attacks.

2. Up-to-date Security Software:

Antivirus, firewall, and other security software should be used to ensure the security of computer and network systems.

3. Password Management:

Using strong and unique passwords makes it difficult for cyber attackers to gain access. Moreover, regularly changing passwords and using two-factor authentication are also important.

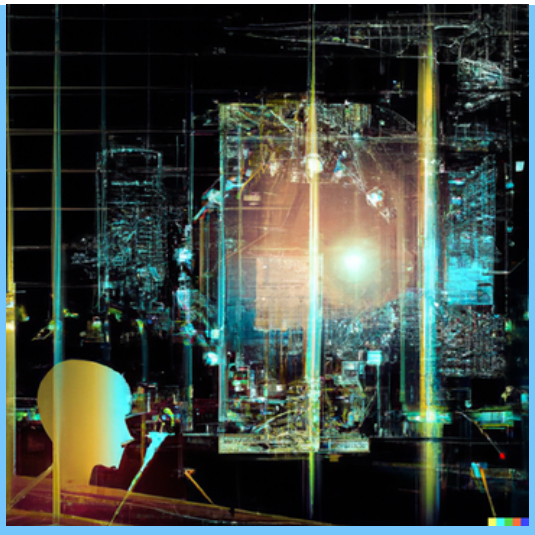
4. Social Media and Sharing:

Sharing personal and work-related information on social media facilitates attackers' execution of social engineering attacks. Therefore, it is essential to pay attention to shared information and review privacy settings.

5. Human Resources and Security Policies:

Businesses should check candidates' backgrounds during the hiring process and implement security policies. Additionally, when employees leave the company, it is crucial to revoke their access rights and secure systems.

In conclusion, cybersecurity and social engineering attacks are complex subjects that consider human vulnerabilities and their impact in the digital world. Therefore, individuals and organizations should continuously strive to ensure cybersecurity by acting consciously and cautiously.



Artificial Intelligence and Computer Engineering: Shaping the Future

The rapid development and proliferation of artificial intelligence (AI) technology are leading to significant transformations in the field of computer engineering. Language models like GPT-4 present new opportunities and challenges that will significantly impact the future of computer engineering and transform the roles and skill sets of professionals in this field. This article will examine several key aspects of the impact of AI programs on the field of computer engineering.

Increased Need for Data Analytics and Processing

AI systems are becoming increasingly important due to their ability to analyze and process large data sets. Consequently, computer engineers need to improve their skills in data analytics and processing. Future engineers must have deeper knowledge and experience in understanding, processing, and optimizing complex data structures. This implies a greater emphasis on data science, machine learning, and statistics in education programs and the industry.

Human-Machine Collaboration

Unique capabilities of AI programs like GPT-4 encourage more efficient and effective collaboration between humans and machines. Human-machine collaboration will play a significant role in the future of computer engineering, and engineers must understand how AI systems can be better integrated and operated with human experts.

Ethics and Social Responsibility

The widespread adoption of AI technologies increases the ethical and social responsibilities of computer engineers. Proper and fair use of AI systems, preventing bias and discrimination risks, and data privacy and security are significant challenges that computer engineers will face in the future. Engineers must be sensitive to ethical and social issues related to AI technologies and make informed decisions on these matters. It is essential for education programs and the industry to raise awareness of these issues and integrate ethical values into professional practices, helping computer engineers take on these responsibilities.

AI Education

AI is deeply impacting computer engineering education. Universities and technical schools are restructuring their programs to teach students the fundamentals and applications of AI technologies. This will ensure that future engineers possess the necessary skills to develop, integrate, and manage AI systems.

New Job Opportunities and Specializations

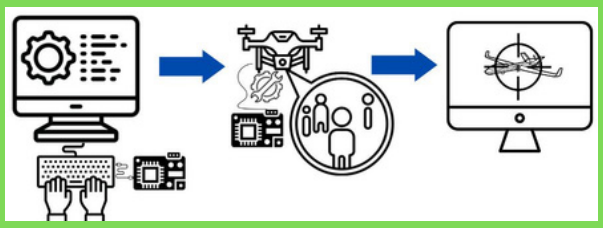
AI technologies are creating new job opportunities and specializations in the field of computer engineering. The development and integration of AI applications have led to the emergence of new roles in the industry, such as AI engineers, data engineers, and machine learning engineers. Additionally, ethical, security, and privacy issues related to AI encourage the development of regulatory expertise and policy-making.

In conclusion, AI technologies are causing significant changes in the field of computer engineering. These changes manifest themselves in the reevaluation of educational approaches, the emergence of new job opportunities and specializations, increased importance of human-machine collaboration, and an emphasis on ethics and social responsibility. As part of this transformation, computer engineers can make the most of the opportunities offered by technology by developing their AI-related skill sets and being sensitive to ethical issues. In the process, the field of computer engineering is becoming a discipline that leverages the power of AI technologies to create more value in every aspect of human life.

ACADEMIC AND SCIENTIFIC

ACTIVITIES

ELECTRICAL AND ELECTRONICS ENGINEERING



Asistant Prof. Dr. Sevcan Kahraman, Responsible Researcher Student Samet Tuzlupınar's project titled "Implementation of Fpga-Based Rapid Image Processing in Unmanned Aerial Vehicles (UAV)" won the right of support.

Working in Electric Electronics Engineering department,Asist.Prof.Dr.Ayse Karaoglu's article titled "A reliability study on the cumulative averaging method for estimating effective stimulus time in vibration studies''publish in" Journal of Electromyography and Kinesiology'' journal.

INDUSTRIAL ENGINEERING

Working in Industrial Engineering Department, Assist. Prof. Dr. Binnur Gürül's article titled "Effect of Japanese Lean Manufacturing Model on Employee Productivity in Turkish Manufacturing Industry: An Application in Automotive Industry" have been publish in " Journal of Busıness Research" journal.

CIVIL ENGINEERING

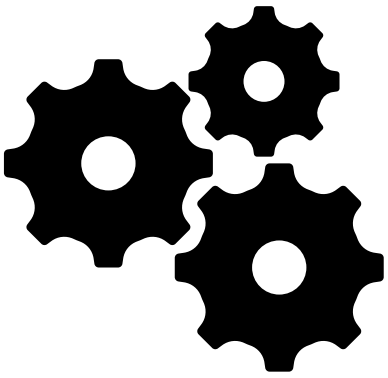
The research paper titled "Finite Element Analysis for the Static Response of Functionally Graded Porous Sandwich Beams" prepared by the head of our department, Assist. Prof. Dr Ahmad Reshad NOORI and his master student Sura Kareem AT-ITBI was published in the International Journal of Engineering Technologies (IJET).

The research paper titled "Effects of Recycled Tyre Rubber and Steel Fibre on the Impact Resistance of Slag-Based Self-Compacting Alkali-Activated Concrete" prepared by our Civil Engineering professor, Assoc. Prof. Dr. Anıl NİŞ as a corresponder author was published in the European Journal of Environmental and Civil Engineering journal that has an impact factor of Q2 by SCI rank.

The article titled "A Mathematical Model to Evaluate the Impact of Yoga Poses on Body" prepared and written by one of our department academic member, Assist. Prof. Dr. Sajedeh Noropour SIGAROODI was published in the International Journal of Engineering Technologies (IJET).

The research paper titled "Mechanical and Durability Properties of Steel, Polypropylene and Polyamide Fiber Reinforced Slag-Based Alkali-Activated Concrete" prepared by our Civil Engineering professors, Assoc. Prof. Dr. Anıl NİŞ and Assist. Prof. Dr. Mukhallad Mohammed Mawlood AL-MASSHADANI was published in the European Journal of Environmental and Civil Engineering journal that has an impact factor of Q2 by SCI rank.

MECHATRONICS ENGINEERING



In the consultancy of Assistant Professor Kenan ŞENTÜRK, one of our stundents and researcher in charge Furkan ONUR's Project named "Smart Glasses endowed with Artificial Intelligence and Cyber Security for Visually Impaired Individuals" won support at TUBITAK 2209-A University Students Research Projects Supports. With great supports of Assistant Professor Serkan GÖNEN and Research Assistant Tunay ACIMAN, this Project which is a first in Mechatronics Engineering Departmant is planned to accomplish and apply to patent.

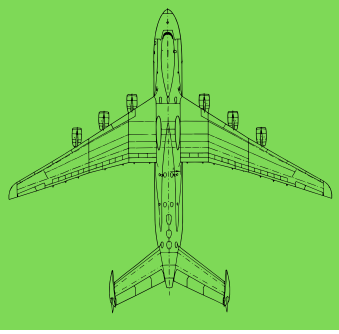
ARCHITECTURE

The paper titled "The Smart Environment Initiatives in Nigeria: Consolidating the Resilience Built Landscape" by Paul Agboola Oluwagbemiga, one of the professors of the English Department of Architecture, was presented at the conference titled "2022 International Engineering Conference on Electrical, Energy, and Artificial Intelligence (EICEEAI)" and published.
Link for the article;
https://ieeexplore.ieee.org/document/10050481

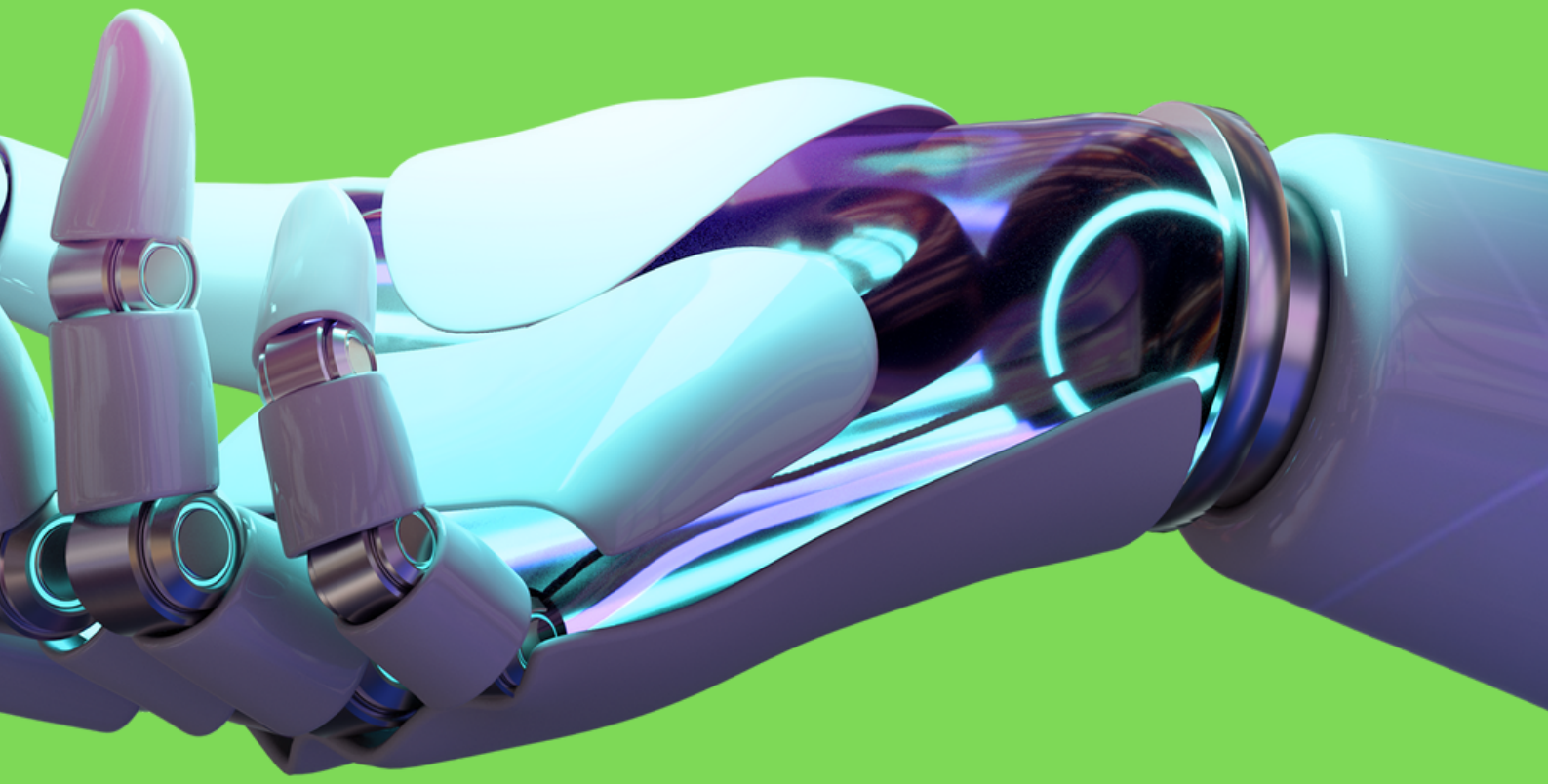
Assoc. Prof. İlke Ciritci and Dr. M. Meryem Fındıkgil held the necessary cooperation meetings with the Deputy Mayor of Çatalca Municipality, Mr. Gökçen Balcı, for their projects. At the end of the positive meeting, it was stated that necessary facilities would be provided and contact persons related to the Municipality were determined. At the end of the meeting, field studies were conducted with IGU Graduate Students, Handenur Sevindik and Elif Beyza Sarsar, who will participate in the Project as scholarship holders.

After the Kahramanmaraş and Hatay earthquakes, post-disaster housing research studies were initiated under the leadership of the professors of the Department of Architecture, Dr. Semih G. Yıldırım, Assoc. Prof. İlke Ciritci, Dr. Meryem Fındıkgil, Lect. Hilay Atalay. Meetings are held at regular intervals and it is aimed to complete the application file of the study in a short time. Following the completion of the targeted preliminary studies, a one-year research project is planned. It is thought that it will make a positive contribution to our Department and University in the long term in an academic sense.

AERONAUTICAL ENGINEERING



Our faculty member, Dr. I Samuel MOVEH and his colleagues have published The Role of Smart Environment Initiatives on Environmental Degradation: Consolidating the Resilient Built Landscape. The article can be accessed from the link below:
https://ieeexplore.ieee.org/document/10050481



interviews with

faculty members

Interview with Assistant Professor Ercan Aykut from Electrical and Electronics Engineering

Dear Assistant Professor Ercan Aykut, could you introduce yourself?

After doing manufacturing, R&D and foreign trade responsibility in various companies in the electrical household appliances, thermostat and automation sector, I established my own business and served in the field of automation.After 20 years of industry experience, I have been working as an academician at Gelişim University since 2021. I have studies on energy, automation and virtual reality. Playing the oud and keyboard are among my hobbies.

How does an electrical and electronics engineering student improve herself/himself?

First of all, the student should learn the lessons well. However, he/she should not be limit himself/herself with what he /she learned at school, she should definitely seek the opportunity to practice. Internship offers a good opportunity in this regard.They should also be curious about new information and research.

Can I get your opinions about Istanbul Gelişim University?

One of the reasons why Gelişim University is preferred is the quality education it provides. In addition to expert academics and innovative courses, students also have advanced laboratory facilities where they can practice. Along with a quality education, social opportunities are also attractive.

Could we ask you to make a brief assessment of the Department of Electrical and Electronics Engineering?

Electrical-Electronics Engineering, which is a mixed engineering branch, emerges as a department that offers a wide range of work areas from electricity production to the design of electronic devices, from the development of communication and communication systems to maintenance and repairs. Electrical and Electronics Engineers, who can work in almost any field, including public and private institutions, are among the respected and sought-after professions of the future with their wide job opportunities.

We offer our students a school environment beyond their dreams with our national and international education, technological infrastructure and various opportunities. In addition to all these, we also grant students who want to change their departments the right to transfer to Industrial Engineering, Civil Engineering, Mechatronics Engineering and Architecture departments. In this sense, we always stand behind our students in our educational activities, which we carry out with great success and great determination.

We received the opinions of Assistant Professor Semanur Sarıçam about her academic career and her working area

Hello, can you tell us about yourself and your academic background?

Hello, I was born as the second child of the family in the Sarkısla district of Sivas. My primary, secondary and high school life was in Sarkısla. After that I started my degree life by winning the Department of Statistics at Ankara University, Faculty of Science. Frankly, I don't know much about the department, but I finished the this department with great pleasure. While I was studying at the department, I wanted to stay in the academy under the influence of some professors. In 2016, I started my master's degree in Statistics at Mimar Sinan Fine Arts University. During this time, I was making applications for the position of research assistant. Unfortunately, it did not happen during this time and I finished my master's degree. Since I still dream of staying at the academy, I started my doctorate at Mimar Sinan Fine Arts University through the same program. During this time, my path crossed with a TUBITAK project and I took part as a scholarship student. With the project, I had the opportunity to both meet a new area and work as an assistant. And the doctorate program was completed through the project. After graduating from doctorate I have started the academic community. at Istanbul Gelisim University.

Can you tell us about your area of study and current developments in your area?

In the previous question, I said that I came across a TUBITAK project. With this project, I actually had the opportunity to meet a new area. This area which is known as functional data analysis, has started to become very popular in the world. In Turkey, there are very few studies on this area. As far as I know, there are two doctoral theses, 4 or 5 master's theses and a few articles.If I talk about this area briefly; As the structures of data collection tools have changed with the development of technology, complex and high-dimensional data are formed. These data are collected with spectrometer, rain gauges and high performance computers. These data are data observed across the continuum, such as time, space, depth, and wavelength. These continuously observed data come into functional form with the help of flattening technique methods. The data coming into the functional form is defined as a curve. Classical statistical methods cannot analyze such data as it will cause problems such as multicollinearity in high-dimensional data. Therefore, the area of functional data analysis has emerged and there is a significant interest in this field among other disciplines.

What are your thoughts on the Department of Industrial Engineering at IGU? What advice would you give to our students?

IGU Industrial Engineering Department trains Industrial Engineers who have the ability to think analytically and creatively, constantly learn and develop themselves, research and produce solutions to problems, and use what they have learned, both with its staff and education system. As advice to our students, I can say the following: Love research and learning, be inquisitive and open to innovation, always improve yourself, continue on the path you believe in, and always be hopeful.

We took Asst. Prof. Dr. Mustafa NURI's opinion about his academic career and study area.

Hi, professor, can you tell us about yourself and your academic background?

Hello. My name is Mustafa Nuri. I was born in Tabriz in 1983. I completed my undergraduate education in the Department of Water Engineering at Razi University in Iran. I came to Turkey in 2011 and graduated from Istanbul Technical University with a master's degree in 2014 and a doctorate degree in 2019. I have been working as a foreign lecturer at İstanbul Gelişim University since August 2019. Towards the end of 2022, I had the privilege of being a citizen of the Republic of Turkey and recently, I was appointed to the staff of İstanbul Gelişim University again as an assisstant professor.

Can you tell us about your field of study and current developments in your field?

I graduated from Istanbul Technical University, Department of Civil Engineering and Hydraulic and Water Resources program. In my master's thesis, I compared the flow hydrograph methods frequently used in engineering projects. In my doctoral thesis, I examined the effects of climate change on water resources from different aspects. I analyzed drought and extreme precipitation events in Turkey's Western Black Sea and Tigris-Euphrates basins by making use of future climate projections. I also analyzed the effects of climate change on river flows with computer simulations. Today, great advances have been made in climate modeling thanks to high-performance computers. Accordingly, the future of extreme climatic events such as floods and droughts can be analyzed more accurately. The results of these analyzes will shed light on the measures to be taken for the future or, if possible, preventive actions.

What are your thoughts on IGU Civil Engineering Department?

I have been working in the Civil Engineering Department of IGU since 2019. The department has a brilliant academic staff and has been accreditated by ABET. I believe that the department will benefit our country and region in the future, as the department has students from different countries and provides education in graduate programs.

What advice would you give to our students?

Civil engineering is the engineering of civilization. For this, it is essential that they have knowledge in different fields such as nature, culture, art, history and technology in order to be better engineers.

We took Asst. Prof. Dr Hamit ÖZTÜRK's opinion about his academic career and study area.

Hi, professor, can you tell us about yourself and your academic background?

I am Hamit Öztürk, I was born in 1984 in Tabriz (Iran). I graduated from the Department of Civil Engineering at Islamic Azad University in 2008. I started the MSc English program at Eastern Mediterranean University in 2009 and finished my thesis on hyperstatic space frame analysis and graduated in 2012. I started my doctorate in Istanbul University in 2013 in the Department of Building Materials, and I was awarded the title of doctor in 2021 by examining the performance of concrete with additives in different abrasive environments.

Can you tell us about your field of study and current developments in your field?

The area I work in, namely the building material, is of great importance as it directly affects the factors such as ecology, strength, durability, sustainability, etc. In this field, extensive studies on current issues such as geopolymer concrete, cementless concrete and flexible concrete (ECC) continue, and scientists are looking for materials to replace cement.

What are your thoughts on IGU Civil Engineering Department?

Structure and construction are among the basic needs of human beings. These structures are built for different purposes to meet the various needs of people. Therefore, every community needs expert and knowledgeable engineers so that solid structures can be built. As Istanbul Gelişim University Civil Engineering Department, we strive to train expert engineers with the cooperation of all academic staff in this direction.

We took Assistant Professor Haydar İzzettin KEPEKÇİ's opinion about his academic career and study area.

Hello sir, can you give us information about yourself and your academic history?

Hi. I am Assistant Professor Haydar İzzettin KEPEKÇİ. I graduated from Eskişehir Osmangazi University Mechanical Engineering Departmant in 2011. In 2014, I completed my master's degree in Uludag University, Department of Mechanical Engineering, Department of Energy. In 2015 i started my Ph.D in Istanbul University Mechanical Engineering Departmant and completed it in 2020. During my Ph.D i worked as a research assistant and took my first step on academic world. I can say that I owe the fact that I didn't have any difficulties when I started teaching as a lecturer to my occupations when I worked as a research assistant.

Can you tell about your study area and current developments?

Based on the increasing need for energy in the rapidly globalizing world, I decided to work on energy resources. As a result of my research in this context, I started to work on renewable energy systems, which are discussed as an alternative to conventional energy sources that have a negative impact on both the environmental ecosystem and living life. In my master's and Ph.D theses based on computational fluid dynamics, I determined and worked on solar energy and wind energy focused topics, respectively. Renewable energy sources stand out as an area that is increasing in popularity. Today, when the expenses of the world states are examined, it is seen that the biggest share is reserved for energy. In order for a country to talk about its independence, it must handle itself economically. With the increase in the amount of energy needed due to technological developments, the economic stability of countries that are dependent on other countries energy is in danger. Because of that, every country is looking for ways to produce energy using its own resources. Scandinavian countries both save space and increase the energy efficiency they obtain from the systems with the off-shore wind turbines they place in the seas. Another development is floating solar power plants placed on the water. With the implementation of these systems, agricultural areas will not be occupied for the installation of solar panels and there will be no need to use a cooling system for the heating problem of PV panels.

What is your opinion abot IGU Mechatronics Engineering Departmant? What kind of advices can you give to our students?

In general, IGU stands out as an institution that offers unlimited opportunities to prepare its students for professional life and always supports themselves. Mechatronics engineering department stands out with its strong academic staff from different disciplines and its up-to-date curriculum. Adopting a student-centered approach at all times increases the value of the department. Students studying at IGU Mechatronics Engineering will understand the difference in education much better when they see their fellow colleagues when they finish their school and start working in business. First of all, it should be known that education is a process that lasts from the cradle to the grave.Therefore, it is always necessary to research, read and follow current developments. Nowadays, accessing information has become both very easy and very difficult. We can reach anywhere at any time through our smartphones that we all carry in our pockets. However, considering the reality of information pollution, we need to consider every concept we read and hear in our own mind first. To do that we must always be fed from different sources and improve ourselves. Based on the "Who loves his country the most, does his duty best", I recommend my colleagues in the near future to always walk in the light of truth and merit as responsible individuals both in their student life and in their working life.

INTERVIEW WITH ASSOC. PROF. DR. ILKE CIRITCI, APPOINTED HEAD OF THE DEPARTMENT OF ARCHITECTURE IN MARCH

Hazal Türkmen Yazgaç : HTY
İlke Ciritci : İC

HTY: Could you please tell us about yourself and your academic background?

IC: Hello, I have been working in the Department of Architecture at Istanbul Gelisim University since January 2018. In addition to teaching basic courses in architectural design, surveying, restoration, and building knowledge, I also teach graduate courses in my area of expertise. I started my academic career as a research assistant about eight years after graduating with a degree in architecture. Before joining IGU, I worked as an assistant professor at various foundation universities. I am very happy to be in the educational side of the profession. Although I started my professional practice by working part-time at a well-known architectural firm while I was still a student, I have chosen to continue my career in the university, and I still occasionally work as a survey and restoration consultant to stay connected to practical experience. In my personal life, reading books is a classic activity for me to relax and escape from reality. I have enjoyed reading fantasy books since my youth. I am particularly interested in works that blend fantastic elements with today's world, utopian-dystopian worlds, characters that cannot be clearly defined as good or bad, and sometimes even coexist in the same body in both books and movies. Listening to music is also one of my indispensable companions when reading or writing.

HTY: Can you tell us about your research interests and the current developments in your field?

İC: My academic work focuses on historical monument restoration, preservation, renovation, disaster resilience, and accessibility. I am currently working on a project supported by AFAD-UDAP (National Earthquake Research Program) with my respected colleague, Assoc. Prof. Dr. Gul Yucel, who has also contributed to our university for years. The question of how resilient our cities are in the face of earthquakes and disasters is now a primary research topic for many academics. I have also focused my research efforts on contributing to this area. We are currently focusing on a TUBITAK project that we plan to apply for with our valuable colleagues from our institution. I believe that in such difficult times, it is essential for academics to work in coordination with government agencies, and that these efforts can be enriched by the participation of professional organizations and NGOs in the field.

HTY: What are your thoughts on the Department of Architecture at IGU?

İC: İAs faculty members of the Department of Architecture at IGU, our priority is to educate young architects who are aware of their own cultural values, follow developments and technologies worldwide, think critically, are open to research and development, creative, and

aware of the social responsibilities and ethical values that come with the profession. We want our students to be lifelong learners who have a passion for their work and continue to improve themselves. We believe that this is the key to training architects who can contribute to their communities and society as a whole.

HTY: Thank you for your sincere answers to the questions. Is there anything else you would like to add?

İC: Finally, I would like to add: We look forward to doing face-to-face training with our students. Although the online opportunities are quite advanced, coming together creates a different synergy. Thank you for your questions, I wish you a good semester.

INTERVIEW WITH DR. SEMIH GOKSEL YILDIRIM, WHO WAS APPOINTED TO THE FACULTY OF THE DEPARTMENT OF ARCHITECTURE (IN ENGLISH) IN MARCH

Hazal Türkmen Yazgaç : HTY
Semih Göksel Yıldırım : SGY

HTY: Can you tell us about yourself and your academic background?

SGY: Hello everyone, as an academician, I have worked as a research assistant, lecturer, and assistant professor at various Foundation Universities in Turkey. During my non-academic periods, I also worked in project design and implementation offices, contractor and consulting firms, both domestically and internationally, as an architect. I believe that I have gained valuable experiences related to a wide range of construction projects, from competitions to implementation. These professional experiences have positively contributed to and supported my academic life. Since October 2021, I have been working at Istanbul Gelişim University in the Department of Architecture. Prior to joining IGU, I spent three years as a visiting scholar at Missouri University of Science & Technology in the United States, where I taught various courses as a paid adjunct assistant professor. I was able to apply the valuable experiences I gained there upon my return to our country.

HTY: Can you tell us about your field of work and current developments in your field?

SGY: In addition to core courses such as architectural design and building technology, I teach courses at the undergraduate and graduate levels that are related to my academic interests, such as daylight architecture and building information modeling. The fact that sustainability has become a necessity worldwide and that digital platforms have brought a different dimension to construction has made me interested in these areas. I am excited to work on these topics, which are still open research areas both globally and in Turkey. Additionally, I have some ongoing studies that are focused on improving the curriculum, problem-based learning models for architecture and engineering education, with the aim of preparing our students better for their professional lives and making them more competitive. I am also involved in some current research that can respond to the needs of our country, as part of a valuable team.

HTY: What are your thoughts on the Department of Architecture at IGU?

SGY: The fact that students come from different countries adds a different dynamic to the department. I also believe that the faculty has the potential to make a difference in education and research. In addition to educational activities, being part of various research groups and participating in scientific studies is a separate source of happiness for me.

HTY: Thank you for your sincere answers to the questions. Is there anything else you would like to add?

Thank you for the interview. I wish everyone a good education term.

INTERVIEW WITH DR. SAMUEL MOVEH

Dr. Moveh please introduce yourself

I am a passionate researcher and academician who has dedicated his career to advancing knowledge and making significant contributions to his field. With extensive experience in research and teaching, I am a highly respected authority in his field and has made significant contributions to the academic community. I have obtained my PhD in mechanical control systems from universiti teknologi malaysia and have since been actively engaged in research and teaching. My research interests include mechanical control, Autonomous systems, UAV and mechanical design and I have published numerous articles and research papers in leading academic journals. As an academician, I am highly respected for my dedication to teaching and mentoring students.

Dr. Moveh what is the motivation behind your academic succes?

As a passionate researcher and academician, I am motivated by a deep desire to advance knowledge and make meaningful contributions to my field. I am driven by a curiosity and passion for understanding complex issues, and I believe that research is a powerful tool for making a positive impact on society. I am also motivated by the desire to share my knowledge and expertise with others. I am deeply committed to teaching and mentoring students, and I find great satisfaction in helping others to achieve their academic and professional goals. In addition, I am motivated by the challenges that come with conducting research and pushing the boundaries of knowledge. I enjoy the process of discovery, and I am constantly seeking new ways to approach complex problems and find innovative solutions. Overall, I am motivated by a deep love of learning and a desire to make a meaningful contribution to my field and society as a whole. My passion, dedication, and commitment to excellence continue to inspire and motivate others in the academic community.

Dr. Moveh why did you choose Istanbul Gelişim University and what are your thoughts about the university?

I was attracted to Istanbul Gelisim University because of the opportunity to work with a diverse group of students and faculty, engage in cutting-edge research, and contribute to the university's mission of providing students with a comprehensive education that prepares them for success in a rapidly changing global economy. Overall, I chose to work at Istanbul Gelisim University because of the university's reputation for academic excellence, commitment to research and innovation, and its welcoming and inclusive academic community.

Research Assistant Duygu Tüylü joined the academic staff of Industrial Engineering as of March 27, 2023.We received the opinions of Research Assistant Duygu Tüylü about her career.

I graduated from Kocaeli University, Department of Industrial Engineering in 2018. In 2023, I graduated from Istanbul University-Cerrahpasa, Department of Industrial Engineering, by examining the lean transformation success factors with fuzzy cognitive mapping method in my thesis. In 2023, I started my doctorate education in Yıldız Technical University, Department of Industrial Engineering and I keep going. I worked as an Industrial Engineer at Kotto Textile in 2019-2023. As of 2023, I started to work as a Research Assistant at Istanbul Gelişim University, Department of Industrial Engineering.

Research Assistant Ufuk ATEŞOĞLU has joined to Mechatronics Engineering Academic Staff. We got information about Research Assistant Ufuk ATEŞOĞLU's career.

I graduated from Istanbul Nişantaşı University Mechatronics Engineering Department in 2020, which I won in 2016. In 2021, I started my master's degree with thesis at Istanbul Gelisim University Mechatronics Engineering Department. I am currently at the thesis stage and studying on Biomedical Device design. In 2023, I started to work as a Research Assistant in my department.

Research Assistant Ufuk ATEŞOĞLU has joined to Electrical and Electronics Engineering Academic Staff. We got information about Research Assistant Beray İKİNCİ's career.

I graduated from Yıldız Technical University Elektronics and Communication Engineering Department in 2021, which I won in 2016. In 2022, I started my master's degree with thesis at Istanbul Gelisim University Electrical and Electronics Engineering Department. I am currently at the course stage. In 2023, I started to work as a Research Assistant in my department.

APPOINTMENTS MADE IN OUR faculty

ACADEMIC APPOINTMENTS

Asst. Prof. Dr. Mustafa NURI has been appointed to the staff of "Assistant Professor" at the Faculty of Engineering and Architecture, Department of Civil Engineering (English).

Asst. Prof. Dr. Semih Goksel YILDIRIM has been appointed to the "Assistant Professor" staff of the Faculty of Engineering and Architecture, Department of Architecture (English).

Asst. Prof. Dr. Hamit OZTURK has been appointed to the "Assistant Professor" staff of the Faculty of Engineering and Architecture, Department of Civil Engineering.

Res. Asst. Ufuk ATESOGLU has been appointed to the "Research Assistant" staff of the Faculty of Engineering andArchitecture, Department of Mechatronics Engineering.

Res. Asst. Beray İKİNCİ has been appointed to the "Research Assistant" staff of the Faculty of Engineering andArchitecture, Department of Electrical and Electronics Engineering.

Res. Asst. Duygu TÜYLÜ has been appointed to the "Research Assistant" staff of the Faculty of Engineering andArchitecture, Department of Industrial Engineering.

ACADEMIC-ADMINISTRATIVE APPOINTMENTS

Assoc. Prof. Dr. Ilke CIRITCI has been appointed as the "Department Head" by proxy to the Architecture Departments(Turkish&English) of the Faculty of Engineering and Architecture as of 08.03.2023.

Asst. Prof. Dr. Ercan AYKUT from the Faculty of Engineering and Architecture, Department of Electrical and Electronics Engineering has been appointed as the "Head of the Department" by proxy as of 23.02.2023.

We congratulate all our appointed lecturer and wish her/him success in their new positions.