



6TH

5TH MAY, 2023

INTERNATIONAL CONFERENCE OF DEVELOPING ENTREPRENEURS

BAKU 2023

ORGANIZED BY:

IMAQ RESEARCH GROUP
FOUNDATION UNIVERSITY ISLAMABAD
AZERBAIJAN TECHNICAL UNIVERSITY



CONFERENCE BOOK

ISBN: 978-1-7779034-7-3



Conference Poster



**IMAQ Research Group, Foundation University
Islamabad & Azerbaijan Technical University**
are organizing

6th CODE International Baku 2023

International Conference Of Developing Entrepreneurs



INVITING WORLD FOR PROSPERITY

Date: 5 May, 2023 **Venue:** Azerbaijan Technical University, Baku

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CODE International

CODE International (Abbr.: International Conference Of Developing Entrepreneurs in Baku also formerly known as KarafarinShow or Entrepreneurs Show) is a part of series of international conferences on developing entrepreneurship organized in ECO countries by IMAQ (Irfan-**MAQ**sood) Research Group in partnership with prestigious universities of the regional countries. 1st and 2nd CODE international conferences (KarafarinShows) were organized by IMAQ Research Group (Ideparvaran **MA**shregh **Q**azal Ltd – an accredited R/D Corporation) in 2017 and 2018 in collaboration with Ferdowsi University of Mashhad and Sadjad University of Technology, respectively. Both events were fully supported by the Khorasan Science and Technology Park and Department of Entrepreneurship Development, Ministry of Works, Welfare and Cooperation. 3rd conference was organized by IMAQ Research Group (IMAQ Technologies Ltd) in 2018 in partnership with COMSATS University Islamabad and 4th Conference was organized by IMAQ Research Group (IMAQ Research Ltd) in 2019 at Selcuk University Konya turkey with full support of Konya Teknokent (Konya Science and Technology Park). 5th Entrepreneurs Show was planned to be held in 2020 in partnership with University of Agricultural Faisalabad which was postponed and later cancelled due to Covid19 outbreak. **6th CODE international Baku 2023** was held by *IMAQ Research Group* (IMAQ Research Ltd, a UK Registered Learning Provider network having legal representation registered in Azerbaijan) and co-organized by Foundation University Islamabad, Pakistan in partnership with Azerbaijan Technical University and Quaid-e-Azam University Pakistan.

Salient features of CODE International are as follows;

1. A growing network of 6000+ developing entrepreneurs from ECO countries
2. 750+ registered technology development based innovative startup ideas
3. Partnership with 22+ academia (universities/institutes/techparks)
4. Highly integrated policy makers and technology expert forum



6th CODE International Baku 2023

6th CODE International Baku 2023 [6th International Conferences of Developing Entrepreneurs Baku 2023], as an international conference focusing on the innovation, commercialization and technology development was organized by IMAQ Research Group (IMAQ Research Ltd, a UK Registered Learning Provider network having legal representation registered in Azerbaijan) and co-organized by Foundation University Islamabad, Pakistan in partnership with Azerbaijan Technical University and Quaid-e-Azam University Pakistan.

The conference witnessed the presence of about 1000 participants from about 10 universities of Azerbaijan, Turkey and Pakistan and the conference received 35+ abstracts as invited or keynote speakers, short presentations and participants abstracts. All selected papers are in editorial process for the publication in IMAQ Journal – A Peer-reviewed Multidisciplinary Canadian Research Journal focusing on the innovation and technology.

The event was supported by several local and international conference partners and startup companies. It also had the technical and moral support of Embassy of Pakistan in Baku, Azerbaijan and Pakistan-Azerbaijan joint Chamber of Commerce located in Baku, Azerbaijan. The event was covered by all education related and national media such as Tahsil Press, TahsilMedia, Xeberlar, EdNews, AzerTag, News.az, AZTU TV and AzerNews etc.

The mission of CODE international to increase the collaboration network of Pakistani-Azerbaijani-Turkish universities is continue and 7th CODE international will witness engagement of more universities, institutes, research groups and companies from Pakistan-Azerbaijan and Turkiye.

 **Dr. M. Irfan-maqsood**
 Founder @ IMAQ Research Group
 Chief Coordinator @ CODE international



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Welcome to the 6th CODE International Baku 2023 & Perspective of Baku as an Innovative City of

Prof. Dr. Vilayat Valiyev

Rector, Azerbaijan Technical University, Baku, Azerbaijan

I extend my greeting and cordially appreciation for joining us today for this important event first of all we would like to express our condolences and deep sadness regarding the armed incident that happened in the Khurram agency of Pakistan. As we are gathered here today, we recognize this critical role that entrepreneurs play in driving economic growth, job regression and innovation. This conference brings together entrepreneurs, policy makers and scientists from Pakistan, Turkiye and Azerbaijan who share a common goal of promoting entrepreneurship for sustainable development. University is committed to promoting Innovation and Entrepreneurship and we recognize the importance of collaboration and partnership between academia, industry and the government in achieving this goal in addition to promote Innovation and Entrepreneurship. University recognizes the importance of building strong partnership with the business community and we believe that collaboration between investors and businesses is crucial for promoting Innovation and driving economic growth, business cooperation. we can bring together the knowledge and expertise of Academia with the resources and expertise of the private sector. This collaboration can lead to the development of innovation products and services as well as the creating new businesses and jobs. We are committed through innovative initiatives such as joint research projects, internships and Industrial partnership by working closely with businesses. We can ensure that our graduates are equipped with the skills and knowledge needs to succeed in today rapidly changing business environment I am pleased to see that this confidence provides an opportunity for entrepreneurs and businesses to connect with University and exploring new opportunities for collaboration. I am confident that the discussions and insights shared here will contribute to the development of stronger partnership between institutes and businesses in our country. I am pleased to see that our University already have good cooperation with Turkish universities and we are aimed to expand our network or partnership to include Pakistani universities. Pakistan has a rich tradition of academic Excellency and its Universities are home of some of the greatest Minds in the world. By establishing partnership with Pakistan universities we can tap into this wealth to acknowledge and expertise and work together to address common challenges and opportunities in many areas where Azerbaijan Technical University can collaborate with Pakistani universities including research, student exchange programs, and capacity building initiatives through the partnership. We can promote cross-cultural understanding and build long lasted relationships that benefit both countries. I would like to take this opportunity to thank the organizers of this conference for their efforts in bringing together such as impressive group of speakers and participants. I am confident that the insights in and discussion share all this confidence will contribute the development of more supportive environment to entrepreneurship in our region and beyond in conclusion I extend my warmest welcome to all you and wish you productive and enjoyable conference thank you for attention.



Welcome to the Academic Delegation of Pakistan & Academic Collaboration Between Pakistani-Azerbaijani Universities

Moazzam Ali Sahito

Head of Chancery, Embassy of Pakistan, Baku, Azerbaijan

Dear Honourable rector of Technical University, guests from Pakistan, students, ladies and gentlemen I express my gratitude to Azerbaijan Technical University for organizing this event and this is going to be a very important event and it will encourage more and more collaboration between universities of Azerbaijan and Pakistan. I also welcome guests from Pakistan especially representatives of Foundation University Islamabad and some other universities also so as you all are aware that Pakistan and Azerbaijan we have excellent bilateral political relations we do have defence cooperation also and so this is the right time to focus on educational cooperation which encourages people to people interaction and people-to-people contacts and I have visited many other Azerbaijan universities also and I have found Azerbaijani students very enthusiastic and energetic for learning new technologies and going forward in all the fields of Education so the important thing is more and more Azerbaijani students they are now learning English language as well so wherever they will be going hopefully they will not be having this issue of communication or learning a new language so this is a good thing and English as you must be aware is a second language of Pakistan and almost everyone in Pakistan understand and speak English especially in universities all the courses are in English so all the Azerbaijan University students when they will be going to Pakistan and so it will be easy for them to understand and study in Pakistan I am told that today an MoU would also be signed between universities of Pakistan and Azerbaijan so this is a very important step encouraging faculty collaboration, exchange of faculty members from both universities of Azerbaijan and Pakistan and student exchange programs as it will help Azerbaijani students as well as Pakistani students and the faculty members from universities of Pakistan and Azerbaijan so they can visit each other's universities and it will encourage educational and people-to-people contacts. So without going further into details I would like to thank you, I would like to express my gratitude to the director of Azerbaijan Technical University for this important event and I wish you all the best in your future collaboration and encouraging People to People contacts between our two brotherly countries.



Potential of Technical and Academic Collaboration between Azerbaijan and Pakistan

Mr. Khurram Javaid Bhatti

President – The Pakistan Azerbaijan Economic Cooperation Chamber (PAKAZCHAM)

Abstract:

Since its independence in 1991, Azerbaijan has developed economic and trade relations with more than 150 countries. It has signed cumulatively over fifty bilateral agreements for the promotion and protection of foreign investment and avoidance of double taxation. Pakistan, a brotherly country became independent in 1947 and achieved a GDP of \$ 367 billion in 2022 which makes it 23rd largest economy in the world and has a strategic partnership with Azerbaijan creating a concept of two states and one nation. Azerbaijan is ranked 34th out of 190 countries in the global ease of doing business index with its Asian-European geographical location. Azerbaijan has tripled its economy in last 15 years and technology adoption is a top priority as ICT is one of the 4th target sectors for economic diversification and the 2nd largest target for foreign investment after the oil and gas industry in Azerbaijan. Azerbaijan has developed several e-government platforms and various Eco Systems Providers such as ASAN and DOST services. The Government also established several technological parks throughout the country that offer tax breaks and exemptions for companies and you can find several education programs and Startups Platforms such as startup.az, Innoland, SABAH Lab, Sup VC etc working progressively in the country. Azerbaijan has been actively developing its satellite services to build its regional commercial telecommunications capacity. Azercosmos, Azerbaijan's space agency, successfully obtained and launched U.S.-produced telecommunications satellites in 2013 and 2018. Azerbaijan has 50 plus state of the art public and private universities providing majors in various fields. A total of over 10,000 students study abroad every year under various state and private programs. Pakistani having experience of exporting ICT products and services of over \$ 3 billion worth to over 120 countries. Pakistan has increased its IT Exports remittances by over 140% with over 25000 IT graduates produced every year can work with Azerbaijan in digital publishing, FinTech, Cryptos/ Blockchain, E-Commerce, Tourism Tech, Hospitality, Telco Services, e-education, E-transport, Social Media Management, Web designing/Hosting and Government Technologies.

Keyword: Pakistani economy, Azerbaijani Economy, Technology Based Economy, Technology Sector, Technology Based Export



The Prospects of Collaboration with Foundation University Islamabad, Pakistan

Prof. Dr. Shagufta Akhtar

Director General ORIC, Foundation University Islamabad, Islamabad, Pakistan

Abstract:

Foundation University Islamabad, a project of Fauji Foundation, established in 2002 under Federal Charter. Imparting education in the fields of Health, engineering, Management & social sciences and technology for last 20 years. Operating two campuses in twin cities. Ranked in W4 category (the topmost) by HEC, FUI aspires to be the leading institution of higher learning and contributes towards the development of human resource through excellence in education, research and innovation. With a mission of creative inquiry and research to foster the personal and professional development of its students, FUI has graduated about 13,000 students and established academic partnership with about 20 internationally reputed universities in 12 countries and is boosting its international partnership rapidly to establish relationship with almost all leading 1000+ universities of the world. FUI is offering about 90 million PKR research funding and 336 million PKR in scholarships/financial assistant to invest on human capital and its schools are recognised/accredited by national and international accreditation bodies such as PMC, HEC PNC, World Directory of Medical Schools, WCPT, IAMRA. FUI is a pool of Highly qualified researchers and faculty with its well defined, diverse and market oriented academic/research programs equipped with the state-of-the-art labs is looking for Faculty Exchange (Teaching & Training), Students Exchange, Resource Sharing, Joint Research Projects, Joint Conferences, Seminars, Trainings and Boot Camps for Students and Entrepreneurs at national and international level.

Keyword: Fauji Foundation, Foundation University Islamabad, International collaborations, Joint Research Projects, Teaching & Training



Commercializing Academic Research Through Entrepreneurship

Prof. Dr. Mehmet Hamurcu

Chairman of the Board and President of Konya Teknokent, Konya, Türkiye

Abstract:

Science is the endless frontier and it needs cooperation at national and international level to increase innovation and transfer the knowledge to cross borders. Next-generation universities are the modern concept of universities which play a key role in the use and commercialization of knowledge they are creating. These universities equipped with the science and technology park are focusing on the technology development and technology maturity since the technology has been at the ideation state until a finalized commercial product or service has been offered to the society, a process known as entrepreneurship development. Entrepreneurship is the ability to sense the opportunities created by our living environment, to produce dreams from those intuitions, to transform dreams into projects, to bring projects to life and to facilitate human life by producing wealth. Another definition of entrepreneurship is that it is the process of taking risks, catching innovations, seizing opportunities and putting all these into practice, a purpose for what the Teknokents are established. Teknokents match the relevant parties, Reconciliation of the parties on the project subject and mutual expectations and perform R&D consultancy or service within the framework of the contract. Several types of university-industry cooperation have been described by Holi et al, as Consultancy, Collaborative research, Contract research and co-creation etc. With refers to the process of joint creation of knowledge with the relationship between stakeholders. Within the ecosystem, co-development can be at different levels. Tools used in codevelopment can be traditional (meeting) or online platforms. The number of technoparks established for the purpose of putting scientific knowledge into the service of technology and making university-industry cooperation exceeds 1,000. Technoparks are expected to concentrate in areas such as artificial intelligence, internet of things, blockchain, biotechnology, environmental technologies. Konya TechnoPark was established in 2004 to boost the agriculture technology and develop the region as a hub of agri industry. Several projects have been completed at Konya Technopark such as the Reuse of Treated Wastewater for Agricultural Irrigation.

Keyword: Technoparks, Konya Teknokent, R&D consultancy, University-industry Cooperation



Biotransformation of Coal into Valuable Chemicals: New Opportunities for Bio-based Business

Prof. Dr. M. Ishtiaq Ali

Director Academics, Quaid-e-Azam University, Islamabad, Pakistan

Abstract:

Coal is a Combustible dark colored rock having Heterogeneous structure and is used in electricity generation, steel production, gasification, liquefaction and even for several other industrial and domestic purposes. Global reserves includes 929 billion tons whose 40% is used for electricity generation and Pakistan alone has 185 billion tons of global coal reserves. There are several types of coal such as Lignite, Subbituminous, Bituminous and Anthracite based on their structural morphology. The biotransformation of coal into valuable chemicals has the potential to open up new opportunities for bio-based businesses in several ways, i.e. Feedstock, Bioplastic, Biofuel and Biodegradable material. The use of biotransformation of coal for bio-based businesses is still a relatively new technology, and there may not be many companies currently using this approach on a large scale. However, there are some research and development efforts underway in various countries around the world to explore the potential of this technology for commercial applications. Indigenous fungal isolates from coal environment may have greater coal degradation and enhanced release of organics from coal matrix. Solubilized fraction can be used for further processes like bio gasification and methane production for fulfill need human environmental needs. Humic acid and fulvic acid extractions from coal useful in soil fertility , cosmetic , antibiotic resistance removal.

Keyword: Bioentrepreneurship, Biotransformation of Coal, Feedstock, Bioplastic, Biofuel, Biodegradable Material



Technological Development of Dairy Sector in Türkiye: A Statistical Perspective

Prof. Dr. Mithat Direk

Department of Agricultural Economy, Selcuk University Türkiye, Konya, Türkiye

Abstract:

Türkiye is one of the 8 countries in the world to be selfsufficient in agri-food industry. A regional hub, Türkiye, an intercontinental bridge, offers access to many markets within a 5-hour flight time. Türkiye is top one producer in the Middle East region and among the world's leading agricultural producers. About 20% of the total Turkish GDP is dedicated to this sector and it is the 4th largest producer of pasta, tomatoes, 6th largest tea producer in the world. Türkiye, with its wide meadows and grazing lands, great stock-breeding potential, uniquely rich product range and a climate structure that encompasses four seasons takes firm steps forward to be amongst the world's leading agriculture and stockbreeding countries. Today milk has the highest production value among other animal-based products in Türkiye. As there is a huge number dairy farm in Türkiye, majority of them have less than 10 cows. Many of Türkiye's dairy herds are small-family owned but again the number of larger farms has been increasing. Among all of the dairy products produced in Türkiye, yogurt has the second largest production quantity followed by liquid milk. As being a traditional dairy products ayran and yogurt is consumed in almost all parts of Türkiye. Türkiye's main exporting dairy products are cheese, whey products and milk powder while butter and cheese are the most importing products. Türkiye has succeeded in turning this into economic outputs by using its geographical advantages. Besides being among the 20 developed economies, it is the main product supplier of many developed countries. In addition, it ranks first in the world in the production of intermediate products. Agricultural production and its transformation into an industrial area have been ensured. Thus, the fluctuations in agricultural production were reduced and the welfare level of the farmers was increased. The agricultural sector has now become a winner.

Keyword: Intercontinental Bridge, Agri-food Industry, Dairy Farm in Türkiye, Ayran and Yogurt



Emerging Trends of Entrepreneurship in Pakistan

Syed Taimoor Hassan

Director BIC, Foundation University Islamabad, Islamabad, Pakistan

Abstract:

Pakistan's entrepreneurship landscape has been witnessing a significant shift in recent years, with a growing number of entrepreneurs, investors, and policymakers recognizing the potential of startups to drive economic growth and social impact. As a result, several entrepreneurship trends have emerged in Pakistan that are shaping the country's startup ecosystem. One of the most prominent trends in Pakistan's entrepreneurship landscape is the rise of technology startups. Fintech and e-commerce are two areas where Pakistan has seen significant growth, as entrepreneurs leverage the country's large, tech-savvy population to build digital platforms and services that cater to local needs. Another trend is the growing focus on social entrepreneurship and impact investing. With Pakistan facing several social challenges, such as poverty, unemployment, and lack of access to basic services, entrepreneurs are increasingly looking to create businesses that have a positive social or environmental impact. This trend is supported by a growing number of impact investors, who are willing to provide funding to startups that demonstrate a commitment to social or environmental causes. Women-led entrepreneurship is also on the rise in Pakistan, with several successful women-led startups emerging in recent years. Women entrepreneurs in Pakistan face unique challenges, such as cultural barriers, but are increasingly finding ways to overcome these obstacles and build successful businesses. To support these trends, Pakistan's government and private sector have launched several initiatives to support entrepreneurship, such as incubators, accelerators, and funding programs. While challenges remain, such as access to capital and regulatory barriers, the country's entrepreneurship landscape is rapidly evolving and holds significant potential for future growth and innovation.

Keywords: Entrepreneurship Landscape, Women Entrepreneurs, Entrepreneurship Trends, Tech-savvy Population, Create Business



Alpha Genomics; An Example of Bioentrepreneurship in Pakistan

Ibrar Ahmed, PhD

CEO, Alpha Genomics Private Limited, Islamabad, Pakistan

Abstract:

Developing countries possess a significant potential in the form of talented manpower. With a focus on enhancing their skills, developing countries can expedite their journey towards technological advancements. One of the major programs in most public and private universities is biological sciences. After graduation, students often wonder what their next step should be. In this presentation, I will discuss bioentrepreneurship in developing countries and offer a few perspectives. I will also introduce Alpha Genomics as an example of a bioentrepreneurial venture, discussing how we conceptualized the idea, started our journey, overcame challenges, achieved important milestones, and outline our future goals.

Keyword: Alpha Genemics, Bioentrepreneurship, Entrepreneurship in Pakistan, Bioentrepreneurial Venture



Management of Intellectual Property in Startups: Current Issues

Huseyn Asgarli

Naxcivan State University, Naxcivan, Azerbaijan

Abstract:

Intellectual property management is the rising issue for emerging co-founders to protect the copyrights of their innovative ideas ensuring sustainable development of their startups. Startups are an integral element of the innovative economy because almost all big companies are built on their intellectual capital and innovation. In this regard, the legal provision of innovations and protection of intellectual property is extremely important. Such activities can often be a decisive factor in the development of startups. This article aims to identify, analyze, and evaluate the most important issues related to intellectual property management in startups. The first part of the article mainly presents the concept of innovation, the definition of a startup, and an overview of the literature written in this field. The second part of the article deals with the main problems related to the management of intellectual property in startups. These problems fall into three main areas: the underestimation of the importance of intellectual property, the lack of intellectual property management strategies in startups, and the financial difficulties of startups. The main results of the study show that many startup co-founders still have little knowledge of what intellectual property is and what consequences could be caused by using the exclusive rights of others. The protection of intellectual property should be among the top priority elements for co-founders while developing their business strategies, although creating a strategy and its implementation is quite expensive for a low budget startup.

Keyword:: Startup, Intellectual Property, Strategy, Management, Entrepreneurship



Technological Achievement of Azerbaijan in the Sector of Women Empowering

Leyla Hajieva

Azerbaijan Chapter Partner – WOMEN IN TECH – Global Movement

Since the 40s of the 19th century after WW2, the percentage of women in stem worldwide has been approximately 30%. According to the statistics as of 2023, Women in tech career positions are 26% and only 10.9% roles of CEO or senior leadership are played by the women. Women comprise 39% of the tech industry workforce at the internship career level and Women new tech industry hires increased since 2020 from 29.4% to 30.9%. In Azerbaijan, 47% of students receiving STEM education in Azerbaijan's 2022-2023 academic year are female. 40% of all the graduates in STEM-related fields in Azerbaijan are female and 30% of the women working in STEM fields in 2021 in Azerbaijan are female. These figures suggest that Azerbaijan has a relatively high but almost the same share of women in STEM compared to the global average of around 30%. Since 2019 in Azerbaijan, many Ministries and Corporates established scholarship programs and funds; such as ABB Bank's scholarship program was established in 2019. ABB Tech Academy provides free education in IT directions for youth; it provides job opportunities in the Bank and its partner companies. Ministry of Digital Transformation and Transport also established a Technest scholarship program in 2022. Ministry of Science and Education has also found a new Education Development Fund in 2021 focusing women empowerment. At Women-in-Tech Global Azerbaijan Chapter - we aim to empower Azerbaijani Women to make them aware of new technological trends, implement technology in their daily lives and work, succeed in it, and be known worldwide. We want to create new educational opportunities for women and girls nationwide.

Keyword: Azerbaijani Women, Women Empowering, Women-in-Tech, ABB Tech Academy, Technest scholarship program



Thermodynamical Analysis of Piston Machines used in Oil and Gas Industry

Dr.Valeh Bakhshali*, Ismayil A. Ismayil, Konul Huseynzade

Department of Mechanics, Azerbaijan Technical University, Baku, Azerbaijan

Abstract:

Given research is part and continuation of EU Project HORIZON 2020 and HORIZON Europe. The thermodynamic basis and conditions of the real working process of the piston compressors with a double-acting cylinder have considered and substantiated the gas pressure acting on the piston group and the analytical methods for determining these forces are presented. The stress and deformations are analyzed for the piston group made of steel material or special cast iron by applying pressure on it in structural analysis in this article. Structural analysis was performed in ANSYS software. An analysis of static stress and damages due to the application of pressure is presented and analyzed in this work. By observing the analysis results, we can decide whether our designed piston is safe or not under applied load conditions. Investigation of complex problems with respect to friction and wear (clearances), stresses and strains phenomena in piston machines gives the opportunity to solve the problems of increasing the durability of these machines. The results of the investigation can be useful for the design and exploitation of piston machines used in the oil and gas industry.

Keyword: Piston machine, Thermodynamics, Friction and wear, Structural analysis, ANSYS



Innovative and Evolutionary Stages of the Modern Azerbaijani Literature: Towards the Globalization

Cahide Yagubova

Institute of Folklore, National Academy of Sciences, Baku, Azerbaijan

Abstract:

Azerbaijani literature is a multifaceted literature developed from a traditional to very modern one during the past decades and centuries. In the 60s of the 20th century, new trends were taking shape in the Azerbaijani literature because of sub-line and intertextual moments of work, not to forget their roots. Later on, in the 90s the ideas of nationalism, Azerbaijanism, freedom, national consciousness have been reflected in the literature and Azerbaijan, being as an eastern country merged with the Russian Empire and an in-flow of European socio-political ideas and enlightened thoughts entered in the society and Azerbaijani culture began to modernize and Europeanize in the late 19th century creating a new phase of enrichment in the Azerbaijani literature. With the advent of the independence period, Azerbaijani literary studies expanded its borders towards Europe to develop cultural relations. Some Azerbaijani writers, influenced by Western literature, introduce postmodernist ideas into literature, but were rejected by many to not mix the classical literature because classical literature is the main criterion for modern literature with new trends. On the eve of independence, the Karabakh conflict dealt a heavy blow to the crumbling Soviet empire, and Azerbaijani literature included works about the struggle for freedom and territorial integrity inviting a new genre of war for freedom in the literature and culture. Romanticism, which took shape in Europe, appeared in Azerbaijani literature from the beginning of the 20th century. In the first half of the 20th century, literary trends formed in Europe were reflected in the works of H. Javid, J. Jabbarli and others. Every time new forms, trends, genres appear in the world literary and they strengthen the interaction of East-West art-literary environment. If we do a critical analysis, we found that in recent years, not only themes and genres have been changed in Azerbaijani literature, but the whole general character and features are diverted to the new one, strengthening the integration process of Azerbaijani national literature into the world literature.

Keywords: Azerbaijani literature, European literature, Post-modern literature, world literature



State Regulations on the Innovation Activity in the Engineering Industry: Development of Domestic Machine-building Capacity

Mehriban Gasimova

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Abstract:

Development of the domestic machine-building capacity for any state indicates the technological development for a sustainable economic development. This article defines the main directions of state regulation for the development of the machine-building complex and increasing its competitiveness in Azerbaijan. Among the priority measures supporting the innovative development of Azerbaijan are to stimulate research development and determine the problems that cause the technological backwardness of Azerbaijan's engineering industry. It also has been concluded that what basic regulations were implemented in developed economies to boost their domestic machine building capacity.

Keywords: State Regulation; Machine Building Complex; Competitiveness



Ensuring the Operational-Technological Characteristics of the New Design Solution of the Sucker-rod Pumping Unit

Beyali Ahmedov, Isa Khalilov, Anar Hajiyev

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Baku, Azerbaijan*

Abstract:

As we know in Azerbaijan, oil production is carried out both in the offshore and onshore. Offshore production is carried out on special platforms, while the onshore exploitation carried out directly by a mechanized method. This downhole pumps consist of a surface mechanical transmission and downhole equipment. For direct mechanization of ground equipment, a device called rocking machine is used, consisting of transmission and converting mechanisms. The main task of the rocking machine is to ensure the conversion of the rotational motion of the engine into the up and down stroke of the plunger of the pump. The downhole equipment includes rods column that lift liquid from the well, a cylinder and a plunger. The main object of study of the report is the strength condition of the rod column, which is one of the operational and technological characteristics of the rocking machine. As a result of the research carried out in the report, a mathematical expression was proposed to determine the linear density of the liquid column, which satisfies the condition of the strength of the rod string, in order to clarify the areas of application and ensure the safe operation of the rocking machine. This formula can be applied not only to the existing classic rocking machines, but also to other new design of rocking machines.

Keywords Rocking machine, Oil production, Rods column, Strength Condition, Linear Density



New Construction of Lifting Mechanisms Development and Analysis of Executive Reducer

Orkhan İsmayilov, Goshgar Rasulov, Anar Hajiye

*Department of Mechatronics and Machine Design Azerbaijan Technical University,
Baku, Azerbaijan*

Abstract:

Mechanization of lifting and transportation, automation of production processes and abolition of manual loading and unloading are one of the main issues in the development of almost all areas of industry in our republic. As in every stage of development in history, forklifts are widely used to eliminate manual labor in many fields of industry, agriculture, and transport. Therefore, the role of forklifts as a means of performing this type of work is great. . Thus, there is a great demand for creating more perfect constructions of forklifts by improving the existing constructions of forklifts. One of the main components of the lifting devices is the lifting mechanisms used for lifting and lowering the load. Increasing the speed and reliability of lifting mechanisms is always an urgent issue.

Keywords: Lifting, Transportation, Industry, Mechanism, Forklift, Reliability.



Problems and Prospects of Transport and Logistics Infrastructure of Azerbaijan in Conditions of Digital Transformation

Panaliyev Aliheydar Valiahad

Azerbaijan Technical University, Baku, Azerbaijan

Abstract:

Problems and prospects of the transport and logistics infrastructure of Azerbaijan in the conditions of digital transformation are discussed in the article. Concepts of digital economy, digital transformation, digital platform are analyzed as part of theoretical and methodological research. In the conditions of digital transformation, modern innovative tools used in the transport and logistics infrastructure allow market participants to optimize their time and money resources at the expense of maintaining the quality of the work performed without increasing the cost of the services provided.

Keywords: Global Transport and Logistics Infrastructure, Digital Economy, Digital Transformation, Digital Platform, Digital Technologies, Processes of Globalization, Business Processes.



Contribution of the Great Leader Heydar Aliyev to Azerbaijan Economy

Rufat Guliyev^{1*}, Dunya Ahmadova²

1. *Department of International Trade, Logistics and Marketing, Azerbaijan Technical University, Baku, Azerbaijan*

2. *Faculty of Economic and Management, Azerbaijan Technical University, Baku, Azerbaijan*

Abstract:

The purpose of the study- Great leader Heydar Aliyev's contributions to Azerbaijan's economy during his leadership. The result of the study- The great leader Heydar Aliyev's prevention of rapidly growing inflation in Azerbaijan, stabilization of the collapsing economy and development of the oil and gas industry, agriculture, and transport infrastructure

Keywords: Inflation, Oil Contract, Investment, Agriculture, Transport Infrastructure.



Cloud and Mobile Technologies: Basics, Opportunities and Threats

Almaz Aliyeva, Aida Mustafayeva, Ceyhun Alizade, Saadet Aslanova
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Abstract:

Cloud and mobile technologies are the most advanced information and communication infrastructures developed in the field of information technologies in recent years. The digital structures brought together by these technologies allow the formation of modern society by affecting the acceleration and efficiency of many areas. Cloud technologies have developed the principles of information storage and management in a more flexible, reliable and mobile manner using the potential opportunities and resources created by the expansion of the internet and other network infrastructure. When applying cloud technologies, data is transferred to users from distributed servers. This allows users to access information at any time and place using various devices (computer, mobile phone, tablet, etc.). This enables faster, more efficient management of work processes and easier sharing of information. Cloud technologies also enable the required resources to be flexible and easily adapted to changing information requirements, which in turn helps organizations to make financial decisions and actions with greater accuracy. Mobile technologies make it easier to connect, share information, make payments, trade and many other activities in business, social and personal life. One of the factors hindering the development of cloud and mobile technologies is the level of development of the technical infrastructure. Technical infrastructure consists of servers, networks, industry standards and protocols, databases, security systems and other technical organizations. If the technical infrastructure is not organized properly, development and implementation times can be limited. The Internet network is also one of the components supporting the development of these technologies. The exchange of data between cloud servers and mobile devices is ensured by the internet network. It also facilitates the use of modern technologies by supporting the development of technological infrastructure. The security of cloud and mobile technologies is an important issue. Security measures are also important to increase trust in users' data and privacy. This includes security measures in the technology management sector such as certificates, encryption, firewalls, access control, etc. ensures its implementation. The mentioned issues lay the groundwork for researching innovative solutions on cloud and mobile technologies in the digital society.

Keywords: Cloud Technologies, Mobile Technology, Distributed Server, Technical Infrastructure, Industry Standards, Protocol, Databases



Sustainable Development in Cyber Security: The Impact of Technological Security on the Future

Aida Mustafayeva, Gunel Bakshiyeva, Shabnam Nasirova
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Abstract:

Cyber security is one of the priority issues that includes the characteristics of the triad (triple principle), such as ensuring the security of today's public and social networks, the integrity, accessibility and privacy of information in all areas of the society. Rapidly developing technologies, the development of the Internet, and the integration of activities into the digital world lead to an increase in risks in the field of cyber security and the formation of new opportunities. For example, it is observed that the level of security in autonomous systems is higher than in classical systems. So, in human-controlled systems, fatigue, inattention, speed, etc. such errors are often encountered. Autonomous systems can minimize errors by eliminating the human factor, and this will increase the level of security of the system. So, while the government and non-government sectors are fighting cyber security threats and dangers over both physical and social networks, they are beginning to understand more deeply the problems that arise and sustainable development in the field of security is necessary and important. Research and development activities help to organize innovative solutions, tools and strategies in the field of cyber security. Cybersecurity rules and standards regulate measures to protect against threats and ensure security in information systems. These standards help improve security by integrating best practices, technologies and methods in cybersecurity. For example, ISO/IEC 27001 and the NIST cybersecurity framework are international and local standards for information security. In addition to the above, cyber security specialist training covers various issues such as following the latest developments, learning new things, understanding the threats they face, managing risks, developing, implementing and testing security measures and strategies, identifying and responding to incidents. Specialist training also plays an important role in the execution of processes such as security audits, risk analyses, security capability assessments, and verification of compliance with security standards. This article discusses the goals of sustainable development in the field of cyber security in the international and local arena. It also describes security activities and strategies to achieve this goal, as well as how specialists could be trained. The issues related to the impact of technological security in the future have also been investigated.

Keywords: Cyber Security, Information Threats, Threats, Risks, Security Audit, Security Standards

Analysis and Perspectives of Object Detection Methods in Computer Vision Systems

Aida Mustafayeva, Almaz Aliyeva, Elmira İsrailova
Mingachevir State University, Mingachevir, Azerbaijan

Abstract:

It is known that the information received by a person through the visual organ is efficiently processed with the help of the brain and interprets the visual information. Therefore, a question arises, is it possible to create a similar process for a computing machine? As the complexity of the issues to be solved is increasing in an era of rapid growth of technologies and information, the automatic processing and analysis of visual data is becoming more and more urgent every day. The term "computer vision" has many related fields: machine vision, visual pattern recognition, image analysis, identification, etc. But the meaning behind all these terms is the same - this is an attempt to teach a computer to see the world through the eyes of a person, to perceive it as a person, and to do various human-like actions in relation to it. The need for computer vision is needed in situations involving risk to life in uncertain conditions. When a person does not have the ability to quickly tire, transfer a limited amount of information, and process information at once. The process of computer vision is a complex technological chain, which includes acquisition of digital images, image processing to extract important information from the image, and analysis of the pre-processed image to solve a specific problem. Currently, there are three main directions in the field of recognition: recognition using neural networks; comparison of the image with the standard; recognition of the image with characteristic points (in this case, the method of obtaining characteristic points may be different). Depending upon the object of recognition, the type and number of methods may change (for example, for face recognition, they use along with the listed methods: flexible graph recognition, optical image flow analysis, principal component method). For this purpose, high accuracy in computer vision systems with the application of artificial intelligence in real and virtual environments and the issue of reliability, simultaneous recognition of multiple objects, analysis and perspectives of 3D object transformation and recognition methods is relevant.

Keywords: Computer Vision, Artificial Intelligence, Machine Learning, 3D Object, Digital Image



Recent Developments and Future Trends in the World of Programming

Aida Mustafayeva, Elvin Muradzade, Dinara İslamova, Narmin Ahmadova
Mingachevir State University, Mingachevir, Azerbaijan

Abstract:

Various programming technologies and applications are widely used to improve user comfort, time loss, cost minimization and management quality in all areas of activity of the digitalized society. The rapid development of technologies and the introduction of innovations into every field of activity increases the demand for programmers to create applications according to new technologies. Many government and non-government sectors are making extensive use of the digital environment to make their operations and business processes more efficient, better connect with customers and build new business models. At the same time, tech companies need creative and productive programmers to implement startups and innovative projects. Startups want to work with innovations that are fast-paced and affordable, which constantly increases the demand for programmers. In many countries, the need for labor in technical specialties such as programmers is decreasing. The main reason for this is that technical education is difficult and there are few specialized programmers. In Azerbaijan, the lack of personnel in this field is felt in all disciplines. In order to overcome this problem, the organization of short and long-term trainings in both educational sectors and various educational academies is already being implemented by the state. It can be said that new languages, frameworks, libraries, tools, technologies appear almost every day. Future trends include blockchain, artificial intelligence, Internet of Things (IoT), DevOps, cloud technologies, VR-AR technologies, quantum technologies; and robotics etc. The development of these technologies can lead to the emergence of new programming languages and tools, and the development of programming processes to create even more automatic solutions. However, it is important to keep the human factor in the foreground in the process of programming development. UX/UI design (user experience/user interface) - user experience, usability is an important factor in the development process of programming, and programmers need to have more knowledge in this area. Thus, programming is an ever-evolving field and more innovation and progress is expected in the future. However, the development of this trend reveals the importance of specialist training in the field of programming, making it one of the current issues of today.

Keywords: Programming Technologies, UX/UI Design, System Platforms, DevOps, VR-AR Technologies



A Comparative Study of Cloud Service Models in Information Technology

Valide Nuriyeva

Mingachevir State University, Mingachevir, Azerbaijan

Abstract:

Cloud service models are digital models where data is offered as a product or service from an internet-based source. Cloud service models allow users to receive and share data from central servers. These models allow users to take advantage of products or services without having to build and manage their own infrastructure. It is known that cloud services are presented in three main categories: infrastructure, platform or software application (Software as a Service, SaaS), platform application (Platform as a Service, PaaS) or infrastructure application (Infrastructure as a Service, IaaS). The most popular cloud services include Amazon Web Services (AWS), Microsoft Azure, and Google Cloud platforms. In Azerbaijan, there are several platforms that use cloud services. One of the most popular cloud platforms is AzCloud, AzInTelecom, Bakcell Cloud and Delta Telecom Cloud. These platforms offer all kinds of IT infrastructure and services to organizations, individuals and legal entities, local and global users within Azerbaijan. The main purpose of these platforms is the safe storage and management of large volumes of data and the realization of various marketing services. The presented article analyzes international and local cloud service models according to services and functions, pricing and payment rules, security and privacy, available infrastructure and resources, and identifies advantages and disadvantages.

Keywords: Cloud Service Model, Software as a Service, SaaS, Platform as a Service, PaaS, Infrastructure as a Service, IaaS



A Study of Communication Deficiencies in Azerbaijan

Vasif Asgarov

Azerbaijan State University of Economics, Baku, Azerbaijan

Abstract

The field of communication and ICT (Information Communication Technologies) has signed a new era with the development of the Internet and smart phones from the end of the 20th century until today. These positive innovations have had an impact on the sub-structures of the state. Every state was forced to follow this development trend. The constant development of new technologies and new applications began to require further adaptation each time. The field of communication is one of the fields that every state pays special attention to and wants to develop. As a result of taking constructive and innovative measures within the framework of these directions in Azerbaijan, this field is constantly being developed. The importance of this area can be seen in the Strategic Road Map for the development of telecommunications and information technologies in the Republic of Azerbaijan. Along with the development, in our article we will study the current situation and problems of the communication field of Azerbaijan. When mentioning the problems in the field of communication of our republic, official statistical data will prevail. In particular, suggestions and recommendations will be noted in order to ensure the current conditions for the development of the communication field in our republic using the experience of other countries. In addition, using the experience of other world countries, we will pay attention to the potential of using and adapting the methods and tools used in these countries in the communication field of our republic.

Keywords: Communication Azerbaijan, Problems Communication, Application Innovations, International Experience.



Describing the Future of Academic-Technological Collaboration Between Pakistan-Azerbaijan-Turkiye

Dr. M. Irfan-maqsood

Founder & Chairman – IMAQ Research Group (IMAQ Research / IMAQPRESS)

Abstract:

Pakistan-Azerbaijan-Turkiye have been the strategic partners for past decades and have been known as very strong allies to each other by the international community. Pakistan-Azerbaijan-Turkiye have set example of collaboration in politics, military, trade and investment and there are hundreds and thousands of bilateral and tri-lateral collaborations between these countries. Academic and technological collaboration between these countries have been university to university or technology group to group and there is a huge potential of working in academic and technological collaboration between Pakistan-Azerbaijan-Turkiye. 6th CODE international Baku 2023 is the first Pakistan-Azerbaijan-Turkiye conference focusing entrepreneurship and technology development which is aimed to discuss and explore the academic potential of collaboration. This conference has witnessed the participation of about thousand interested youth, students, faculty members and have presented their talks and ideas and some of the selected abstracts are published here and also on website. Three MoUs of Azerbaijan Technical University with Foundation University Islamabad, Quaid-e-Azam University Islamabad and Konya Teknokent have also been signed during the coffee break time between the first and second session of the conference to unearth the potential of collaboration and set a net example of academic collaboration in the region.

Keywords: Pakistan-Azerbaijan-Turkiye, Academic collaboration, regional connectivity, regional integrity, AzTU, FUI, QAU

Side Meetings of 6th CODE International Baku 2023 focusing Pakistan-Azerbaijan Academic Collaboration

1. Pre-conference Meetings with Azerbaijan Technical University



2. Meeting with Vision Academy Baku – Conference Partner



3. Pictorial Report of the Conference Day















MoUs between Pakistani-Azerbaijani-Turkish Universities as a Result of 6th CODE international Baku 2023





Post-conference Meetings of Pakistani Academic delegation with Baku State University & Khazar University



Post-conference Visit of Pakistani Academic delegation to A2Students Education Fair at Hilton Hotel, Baku





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f 6th International Conference of Developing Entrepreneurs
2022 held at Azerbaijan Technical University

● 5 May 2023 11:41 (UTC+04:00)

Kona Muradov
Trial news

Today, with joint initiative of the Embassy of the Republic of Pakistan and Azerbaijan Technical University the 6th International Conference of Developing Entrepreneurs 2022 (CODE International – 6) held at the Azerbaijan Technical University.

Azernews reports that the ceremony was attended by rector of Azerbaijan Technical University Dr Valiyev Vilyayev, deputy head of Pakistani embassy in Baku Mr Murtaza Ali Sahito, the President of PAK-AZCHEAM Mr Khuram Jarvad Bharti, professors, teachers and students of the university, as well as other guests and professors from both Turkey and Pakistan.

Azerbaijan Technical University Rector Dr Valiyev Vilyayev first started the event with his welcoming speech. He greeted those who came to the event and emphasized the importance of the relations between Azerbaijan and Pakistan. Dr Valiyev Vilyayev also underlined the efforts made to organize the event. Finally, he thanked everyone who contributed and participated at the conference.

Then the President of PAK-AZCHEAM Mr Khuram Jarvad Bharti welcomed the professors, representatives of the embassy, students and guests from Turkey and Pakistan who took part in the event. Later, the blessed message of the martyrs was broadcasted with a minute of silence. The professor explained that the country's economy is an important factor. Expressing gratitude to the educational institutions that paid attention to this topic, he spoke about the mutual economic relations between Azerbaijan and Pakistan. Then he held that since its independence in 1991, Azerbaijan has developed economic and trade relations with more than 150 countries. It has signed cumulatively over fifty bilateral agreements for the promotion and protection of foreign investment and avoidance of double taxation.

"Azerbaijan has 50 plus state of the art public and private universities providing talents in various fields. A total of over 100,000 students study abroad every year under various state and private programs," Bharti said.

Guest Deputy Head of Pakistani Embassy in Baku Mr Murtaza Ali Sahito greeted the participants of the event. He expressed his gratitude to the Azerbaijan Technical University for organizing the event and stressed that the organization of the conference is of great importance for both Azerbaijan and Pakistan.

As you know, Azerbaijan and Pakistan have very good relation in the political, defense and education spheres. Visiting major educational institutions in Azerbaijan, I noticed how enthusiastically and energetically students

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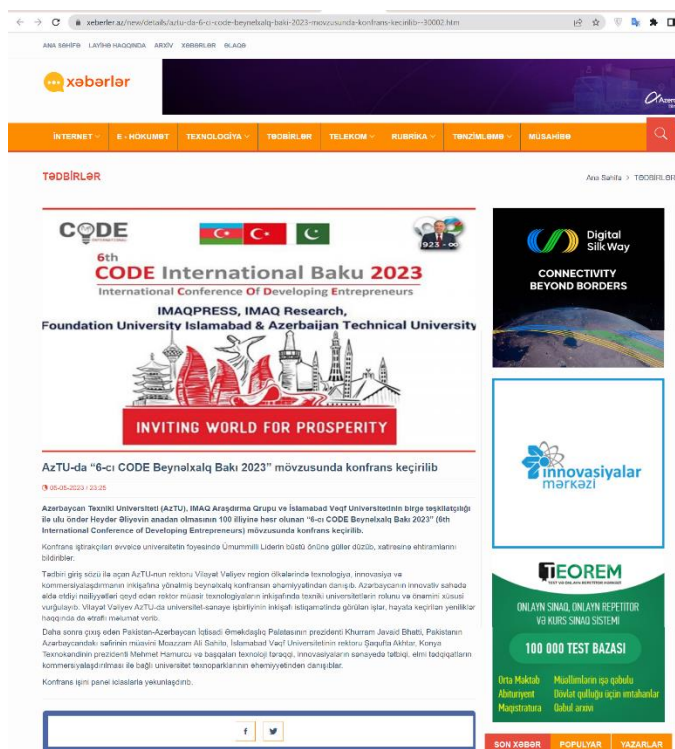
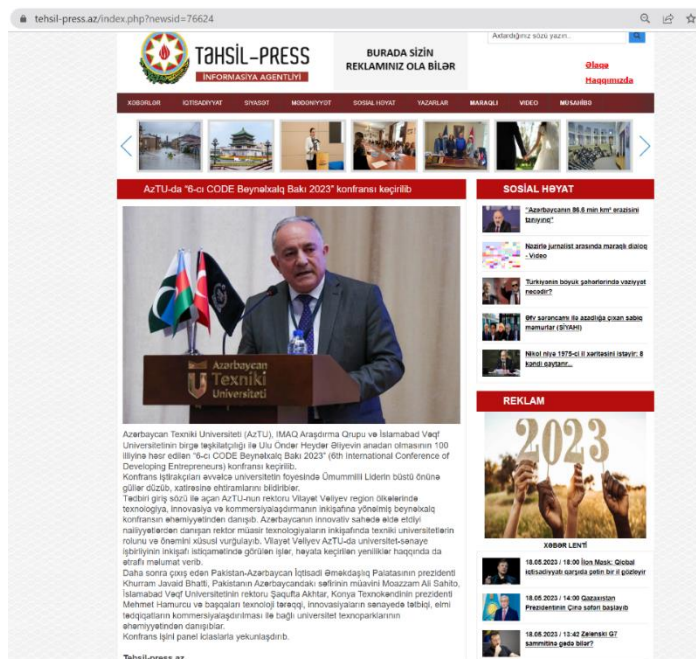
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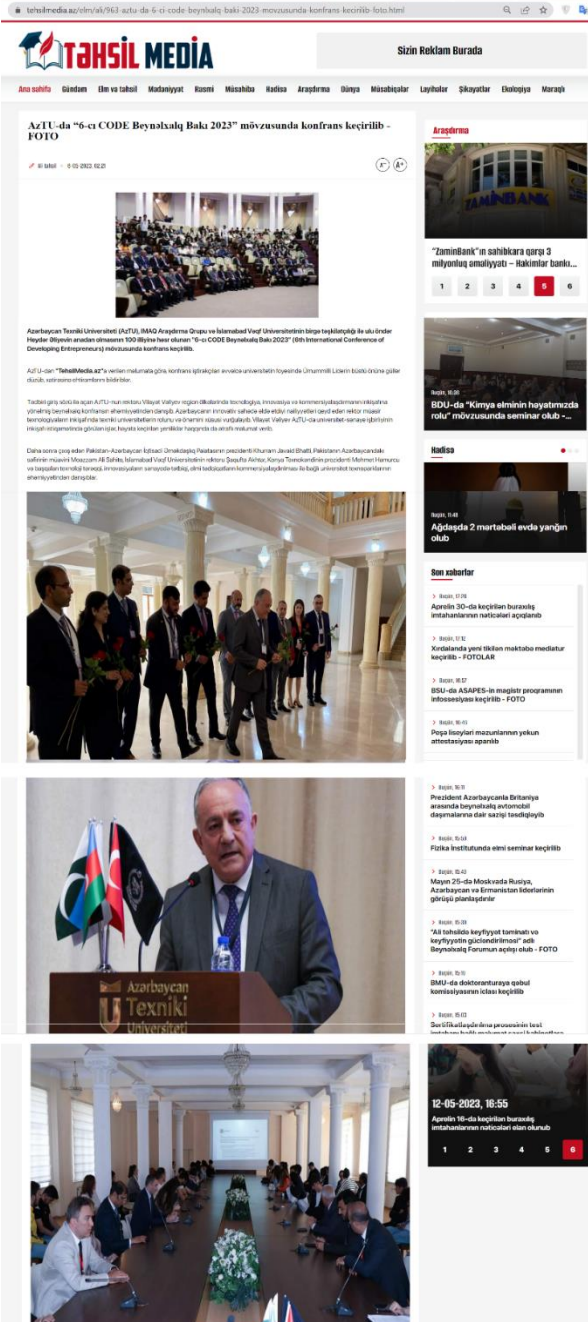
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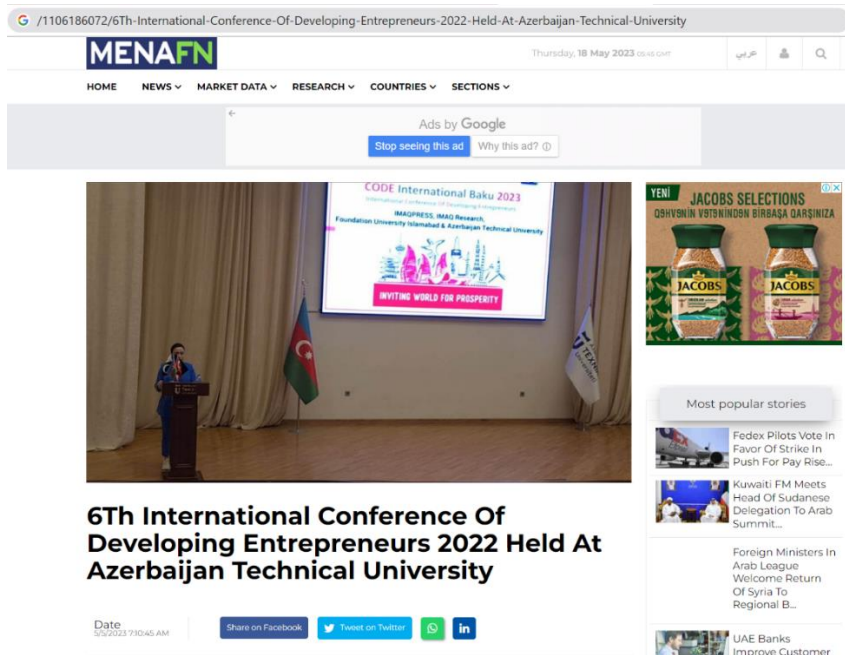
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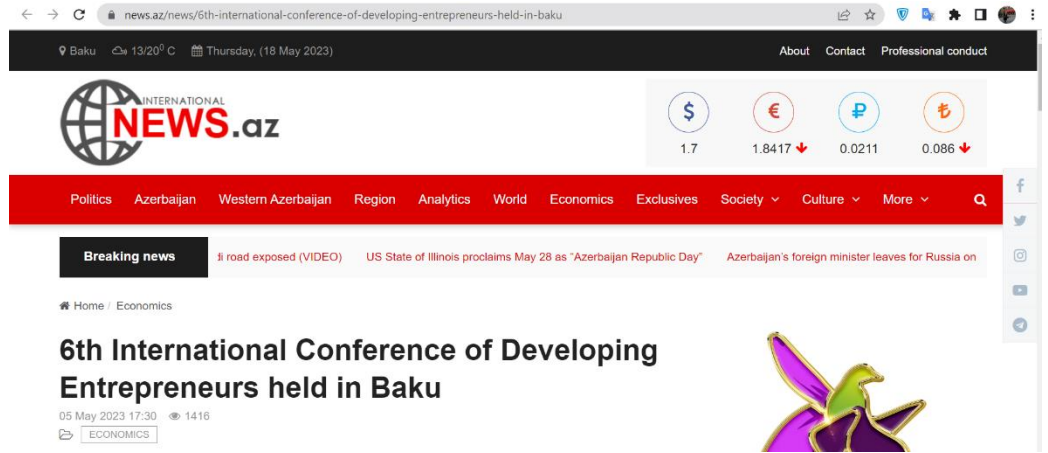
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AzTU-da "6-cı CODE Beynəlxalq Bakı 2023" mövzusunda konfrans keçirilib

05.05.2023 159 AzTU

**6th
CODE International Baku 2023**
International Conference Of Developing Entrepreneurs
IMAQPRESS, IMAQ Research,
Foundation University Islamabad & Azerbaijan Technical University

INVITING WORLD FOR PROSPERITY

Azərbaycan Texniki Universiteti (AzTU), IMAQ Araşdırma Qrupu və İslamabad Vəqf Universitetinin birgə təşkilatçılığı ilə ulu öndər Heydər Əliyevin anadan olmasının 100 illiyinə həsr olunan "6-cı CODE Beynəlxalq Bakı 2023" (6th International Conference of Developing Entrepreneurs) mövzusunda konfrans keçirilib.

Konfrans iştirakçıları əvvəlcə universitetin foyesində Ümummilli Liderin büstü önünə güllər düzüb, xatirəsinə ehtiramlarını bildiriblər.

Tədbiri giriş sözü ilə açan AzTU-nun rektoru Vilayət Vəliyev region ölkələrində texnologiya, innovasiya və kommersiyalaşdırmanın inkişafına yönəlmis beynəlxalq konfransın əhəmiyyətindən danışdı. Azərbaycanın innovativ sahədə əldə etdiyi nailiyyətləri qeyd edən rektor müasir texnologiyaların inkişafında texniki universitetlərin rolunu və önəmini xüsusi vurğulayıb. Vilayət Vəliyev AzTU-da universitet-sənaye işbirliyinin inkişafı istiqamətində görülən işlər, həyata keçirilən yeniliklər haqqında da ətraflı məlumat verib.

Daha sonra çıxış edən Pakistan-Azərbaycan İqtisadi Əməkdaşlıq Palatasının prezidenti Khurram Javid Bhatti, Pakistanın Azərbaycandakı səfirinin müavini Moazzam Ali Sahito, İslamabad Vəqf Universitetinin rektoru Şağıfta Akhtar, Konya Texnokandinin prezidenti Mehmet Hamurcu və başqaları texnoloji tərəqqi, innovasiyaların sənayedə tətbiqi, elmi tədqiqatların kommersiyalaşdırılması ilə bağlı universitet texnoparklarının əhəmiyyətindən danışdılar.

Konfrans işini panel iclaslarla yekunlaşdırıb.

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Short Biographies of Keynote Speakers of 6th CODE International Baku 2023





Prof. Dr. Vilayət Vəliyev

Rector - Azerbaijan Technical University

Prof. Dr. Vilayət Vəliyev is the Rector of Azerbaijan Technical University. He holds a PhD economic science and he is the author of 112 scientific works, including more than 40 works published abroad. With leadership of Dr. Vilayət Vəliyev, various projects on applied science has been done in Azerbaijan Technical University.



Khurram Javaid Bhatti

President - Pakistan Azerbaijan Economic Cooperation Chamber (PAKAZCHAM)

Mr. Khurram Javaid Bhatti is the president of Pakistan Azerbaijan Economic Cooperation Chamber. The Pakistan Azerbaijan Economic Cooperation Chamber (“PAKAZCHAM”) has a wide business remit to develop bilateral trade between Pakistan and Azerbaijan. Mr Khorram and his team promote and expand trade and investments between Azerbaijan and Pakistan, including raising perception of Pakistan and Azerbaijan as good and safe countries for investment.



Prof. Dr. Shagufta Akhtar

Director ORIC
Foundation University Islamabad

Prof. Dr. Shagufta Akhtar is the senior education expert and director of Offices of Research, Innovation and Commercialization (ORICs) at Foundation University Islamabad (FUI). She completed her PhD education from Allama Iqbal Open University, Islamabad and her Post-Doctoral from Teachers College Columbia University, NYC, USA. She has experience of working as director ORIC of FUI from 2016 – Present and deputy director QEC of FUI from 2015 - 2016.



Prof. Dr. Mehmet Hamurcu

President - Konya Teknokent Türkiye

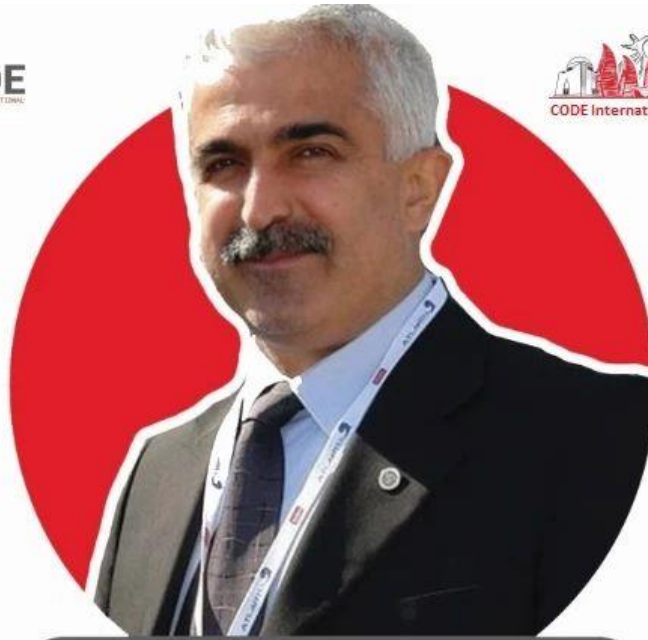
Dr. Mehmet Hamurcu is a full professor at Selcuk University, Konya, Turkey and also designated as the director of Konya Teknokent. He has been member of Chamber of Agricultural Engineers and Turkish Biotechnology Association. He is working at Selcuk University and with more than 60 research publications, he has been coordinator of 5 TUBITAK, 1 Boren and 9 Selcuk University based projects. He has guided several students and has an expertise in plant physiology with focus on mechanism of free radicals and antioxidants in plants, physiological adaptations and defense mechanisms in plants under biotic and abiotic stress conditions, different farming systems and hydroponic system.



Prof. Dr. M. Ishtiaq Ali

**Director Academics
Quaid-i-Azam University Pakistan**

Prof. Dr. Muhammad Ishtiaq Ali is professor at department of microbiology Quaid-i-Azam University Islamabad, with additional charge as Director Academics QAU. Dr. Ali joined QAU in 2003, completed his M.Phil leading to Ph.D from QAU. He joined QAU as faculty member in 2009. He did Postdoc from University of New South Wales Sydney, Australia. His research interests are in Applied and Environmental Microbiology, Waste Management, Bio Energy and Coal to Energy. Dr. Ali has also authored more than 85 impact factor publications along book chapters. He has supervised 12 Ph.D and 69 M.Phil. students. He is member of Pakistan Academy of Sciences. Dr. Ali is well known for his active and dedicated role in academic as well as administrative responsibilities which he always does with enthusiasm, dedication and commitment.



Prof. Dr. Mithat Direk

**Professor of Agri-Economy
Selçuk University Türkiye**

Dr. Mithat Direk is a professor at department of agricultural economics Selçuk University, Konya-Turkey. Dr. Mithat has visited many countries for research and industrial collaborations. He has done great efforts on the development of international relationships, organizing conferences and supervising projects throughout the world. His research of interest is agricultural marketing, rural development, natural resources and environmental economics. He is the author of the book entitled “Agriculture History”.



Syed Taimoor Hassan

**Director BIC Foundation
University Islamabad Pakistan**

Mr. Syed Taimoor is Manager Business Incubation Center at Foundation University Islamabad (FUI), having a diverse experience of academia and developing organizations portfolios. He is a specialist in the launching and accelerating business eco systems and start ups.



Dr. Ibrar Ahmed

**Chief Executive Officer
Alpha Genomics Ltd, Pakistan**

Dr. Ibrar Ahmed is the founder and CEO of Alpha Genomics Private Limited, the pioneer R&D organization working in life sciences in private sector in Pakistan. He completed his PhD from Massey University, New Zealand in February 2014. His area of expertise is genomics, molecular evolution, plant molecular biology and next-generation sequencing. After spending a little less than three years as an assistant Professor at the Department of Biochemistry, Quaid-i-Azam University, Islamabad, Pakistan, Dr. Ahmed has established Alpha Genomics to extend his services and expertise to fellow researchers and scientists in universities and R&D organizations.



Leyla Hajieva

**Azerbaijan Chapter Partner
WOMEN IN TECH Global Movement**

Ms. Leyla Hajieva is a business consultant and representative of Azerbaijan chapter of -WOMEN IN TECH- a global movement. WOMEN IN TECH is the world's leading organization for Inclusion, diversity & equity in STEAM. Ms. Leyla Hajieva as representative of Azerbaijan chapter is making efforts to promote the participation of women and girls in science & technology and encourage more women to pursue careers in this field. She also worked as the head of Innovation ecosystem development department from Jul 2022 - Jan 2023.



Dr. M. Irfan-maqsood

**Founder - IMAQ Research Group
(IMAQ Research / IMAQPRESS)**

Dr. Irfan-maqsood is the founding director of IMAQ Research Group. He holds PhD Biotechnology and PGD in Entrepreneurship development. Having an experience of a decade in writing and editing, he has published three books series on Amazon and 26+ scientific papers in reputable journals with 484+ citations in Google scholar, WoS & Scopus etc.



Organizer, Co-organizer and Host of 6th CODE International Baku 2023

IMAQ Research Group (IMAQ Research Ltd) - Organizer



IMAQ Research Group is an emerging group of internationally registered and accredited innovative startup companies (registered in UK, Canada, Azerbaijan and Pakistan) providing educational and research support services in the regional countries. IMAQ Research Group is having several flagship sister and subsidiary projects with a mission of developing contents for globalized audience, technology and entrepreneurship development.

Some of these projects are described as follows;

1. **CODE international** (international conferences of developing entrepreneurs)
2. **ST+** (certification program for science, technology and entrepreneurship)
3. **IMAQ Journal** (Canadian multi-disciplinary research journal)
4. **Cancer Press** (international cancer research journal)
5. **IMAQPRESS** (Canadian publishing and publishing management firm)
6. **IMAQ Technologies** (web/digital and emerging technologies development firm)



Foundation University Islamabad – Co-organizer



Foundation University Islamabad is a private university, established by the Fauji Foundation which is the largest welfare organization in Pakistan. FUI was granted its charter by the Federal Government vide Ordinance No. LXXXVIII of 2002. It has two campuses; Foundation University School of Health Sciences (FUSH) & Foundation University School of Science and Technology (FUSST).

Foundation University Islamabad has the following 8 faculties and colleges;

1. Faculty of Arts & Social Sciences
2. Faculty of Business & Technology
3. Faculty of Engineering and Information Technology
4. Foundation University College of Dentistry (FUCD)
5. Foundation University College of Physiotherapy (FUCP)
6. Foundation University College of Nursing (FUCN)
7. Foundation University Sialkot Campus (FUSC)
8. Fauji Foundation Hospital (FFH)



Azerbaijan Technical University (AzTU) - Host



Azerbaijan Technical University is a public university, established in 1950, specialized in engineering and technology and is located at Baku, Azerbaijan. The University has 9 schools and 54 departments, 884 faculty members and approximately 6500 students.

Azerbaijan Technical University has the following 10 faculties;

1. Electrical Engineering and Power Engineering
2. Transport
3. Technological Machines
4. Special Equipment and Technologies
5. Radio Engineering and Communication
6. Metallurgy
7. Machine-building
8. Engineering Business and Management
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ISSN: 2816-5764



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Published By:

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Winnipeg , R3B 0P4
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