

20^{YEAR}
Anniversary

SPE Azerbaijan Section
SOCIETY OF PETROLEUM ENGINEERS



ANNUAL REPORT
2016-2017





Elshan Rzayev,
*Section Chairman,
Reservoir Characterization Team Leader at
BP AGT*



LETTER FROM THE CHAIRMAN

Having served for the local community for over 10 years, I am now more convinced that the concept of giving back to the society is what fuels and underpins all that we do in SPE Azerbaijan. I would like to start with thanking our volunteers who create, develop, and implement all our programs and activities for the benefit of our members from amongst students, professionals and academia.

Taking on the chairman role for this term is especially pleasant and yet challenging for me. SPE Azerbaijan is celebrating its 20th anniversary since its establishment in 1997, and a lot was done by the past chairs and board members not only to ignite the eager young minds who wanted to pursue the career in the Petroleum Industry, but also made a significant effort to propagate the culture of sharing, networking and mentoring. The organization today is fully self-sustainable and competes well with top SPE sections worldwide proved by third international section excellence award received this year marking the growth, quality, and spread of our activities.

We aim to at least sustain and also improve our programs and activities for young professionals and students, and continue working through the program committee to bring international technical events to Baku despite the challenges in the industry. We chose to make significant changes to our approach in public relations to access a wider and diverse community, attract new members and outreach industry leaders.

In 2015 SPE Azerbaijan initiated a pilot project to facilitate research and science in the higher educational institutions. We can now call this project to be a great success in developing quality educated workforce for the industry as well as academia. This puts us into a very important category as an organization which links education to the industry.

I am excited as much as I am motivated to lead the society that supports talent, encourages enthusiasm, and fosters learning.

Elshan Rzayev,
*Section Chairman,
Reservoir Characterization Team Leader at BP AGT*



ABOUT SPE

The Society of Petroleum Engineers (SPE) Azerbaijan Section is a unified petroleum engineering community enabling technical knowledge sharing, support of students and professionals, facilitation of research and science development in the country within Oil and Gas Exploration and Production sector. We are non-profit, apolitical, nonreligious professional organization whose goal is to build a more integrated and cooperative professional petroleum community that helps in development of local technical capability and related technologies for the public benefit. SPE Azerbaijan offers a variety of activities for the mutual benefit of professionals, students and academics through many technical programs and events.





EXECUTIVE SUMMARY

With the support of oil companies in Azerbaijan, SPE Azerbaijan brings substantial value to the development of local capability through delivering technical programs and activities (trainings, symposiums, field trips, and lectures), bringing international conferences and workshops, facilitating research and science development in education and providing community with the access to the global petroleum technical network.

The organization made a significant contribution to generate an interactive and favourable environment for networking and share industry's best practices through thematic international technical workshops and conference addressing industry challenges in the region. The best example is SPE International Caspian Technical Conference and Exhibition which now rotates annually between Azerbaijan and Kazakhstan. In 2015 this event accommodated over 500 professionals in Baku from both within and outside of the region. In November 2017 SPE's 4th annual Caspian Technical Conference and Exhibition will return to Azerbaijan. This year's theme "Chasing the Margins," will explore the issues currently faced by the E&P industry in Azerbaijan and the broader Caspian region – and more importantly look at ways to resolve them.

Every year SPE Azerbaijan selects and takes the most talented and bright students in the country from different disciplines through its flagship program called Young Talents to develop their professional, technical and soft-skills. This program has over 350 man hours committed from the professionals annually to deliver weekly sessions and knowledge sharing seminars as the supplement to the educational program in the country for student from petroleum related disciplines. Today up to 150 industry professionals in subsurface and wells disciplines are graduates of this program with a strong performance track record not only in the country, but worldwide.





Enormous effort was made to facilitate the research culture in the higher educational institutions through open seminars with professors and PhD students, establishment of the research center in Khazar University, joint work in solving real industry problems and supporting PhD researches by technical mentorship and funding. As a result of such a cooperation and interaction, Khazar University research center has already delivered series of projects to address a specific technical problem associated with oil field development in Azerbaijan.

2017 can be noted as truly remarkable milestone in the history of SPE Azerbaijan. The section marks its 20th anniversary and 5th year since official registration in the country.

Over the past 20 years among many SPE Azerbaijan has made the following achievements:

- Establishment of the section in 1997
- SPE International Award for Excellence 2004
- SPE International Award for Innovation 2005
- Official registration and recognition of the organization in the country in 2012
- SPE International Award for Outstanding Student Support in 2013
- SPE International Award for Innovation 2014
- SPE International Award for Excellence 2015
- Fastest growing section in its category in 2013, 2014, and 2015
- Over 10 active programs for students and professionals
- 2 international technical workshops in years 2014 and 2016 (capacity over 50 people)
- 1 international technical conference in 2015 (capacity over 500 people)
- 3 young professional awards
- Establishment of research and development center in Khazar University in 2015

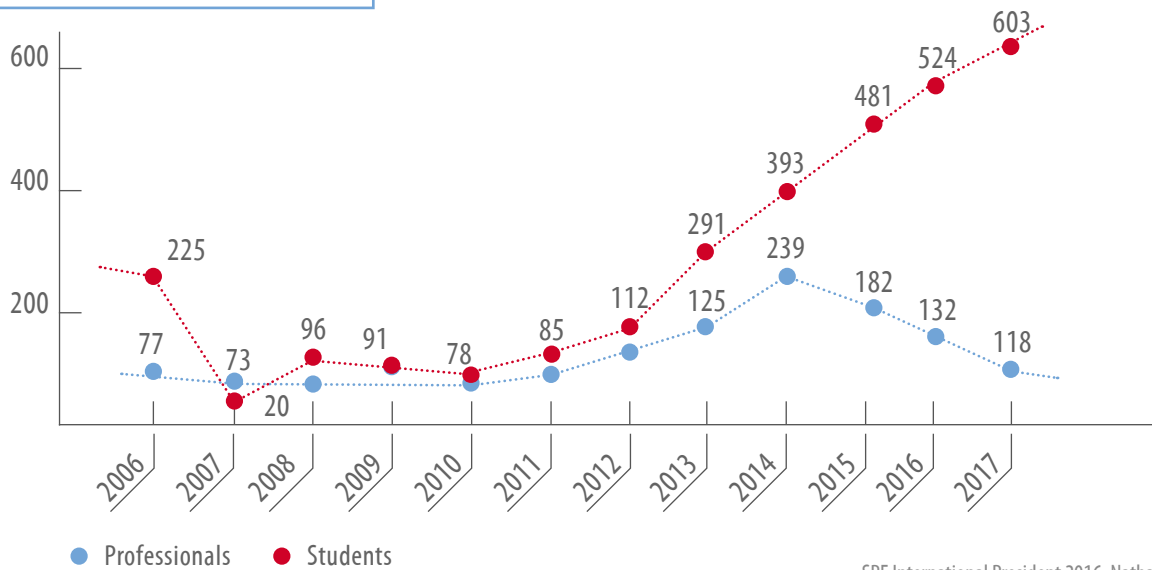
SPE Azerbaijan section board consists of professionals working in the industry who are volunteering their out of work hours for the benefit of the community and the industry. As the result of this effort this year the section won another SPE International President's Award for Excellence. This award recognizes the section's exemplary achievements in knowledge sharing, technology dissemination, section operations, society and community benefits and innovation.

MEMBERSHIP

The section's dominating membership is coming from university students not only from petroleum engineering disciplines but also from the wide range of technical disciplines including applied mathematics, physics and chemistry.

Besides student members, we continue to activate and involve greater number of young and experienced professionals from year to year. Many professionals continuously benefit from our activities, and this number is steadily growing. In 2016-2017 totally over 300 industry professionals from local and international market participated in our programs and events.

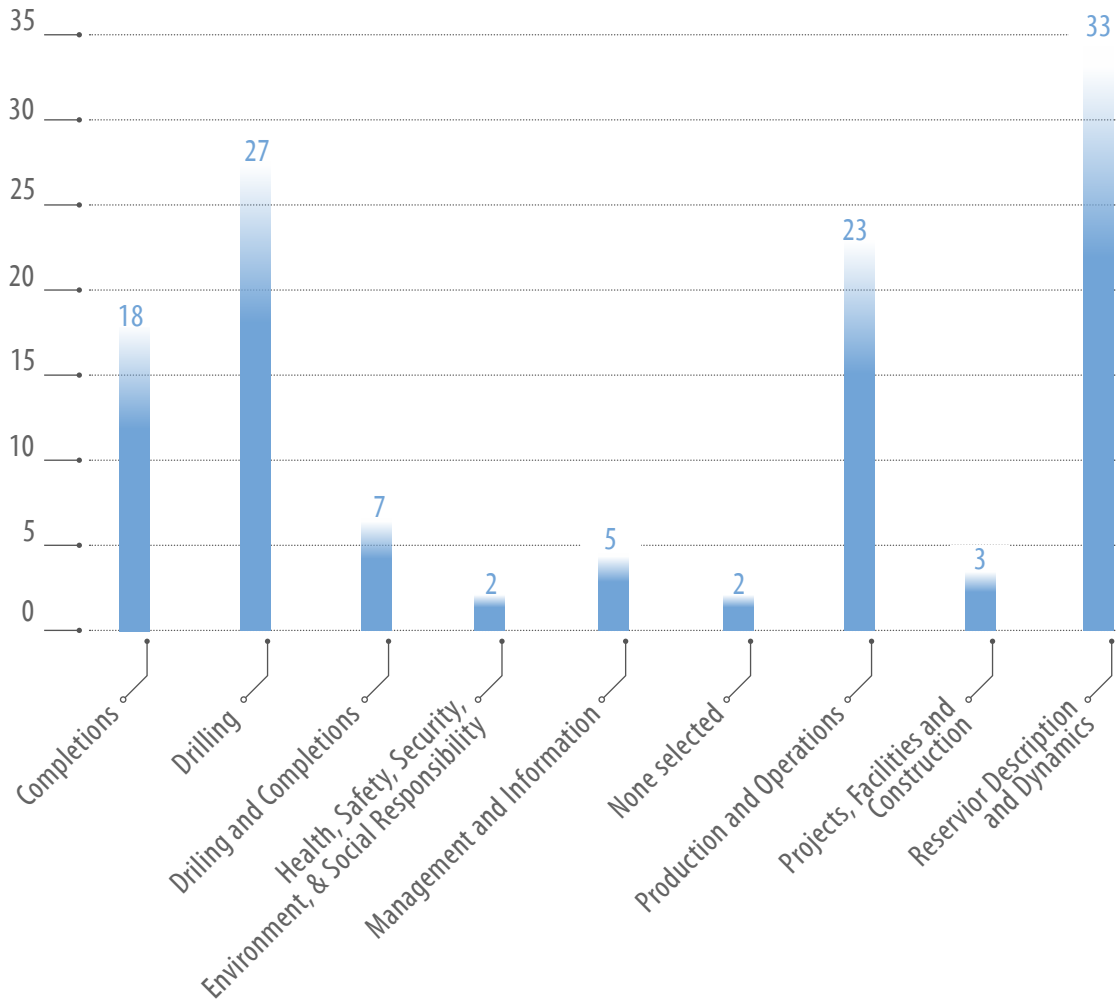
TOTAL MEMBERS BY YEAR



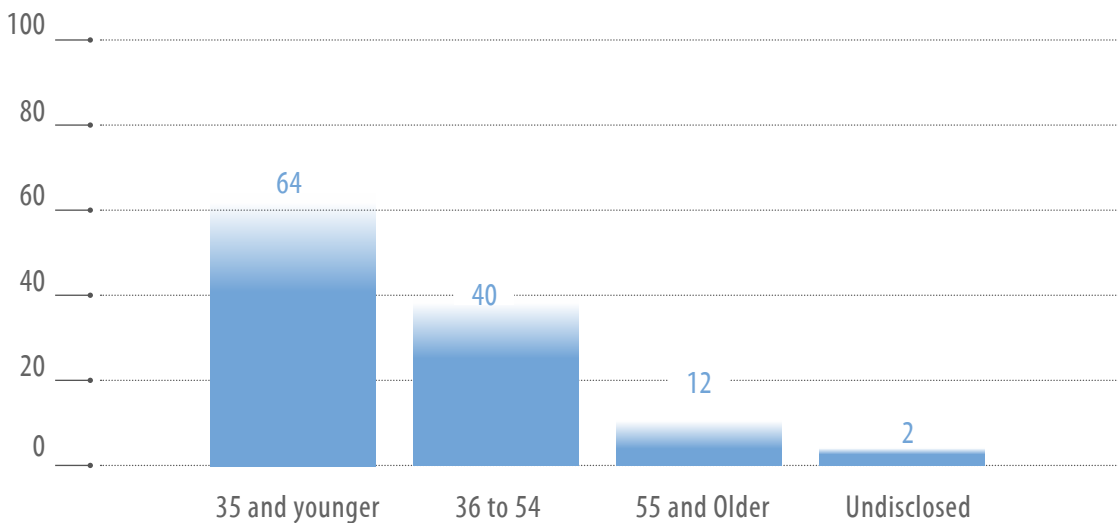
SPE International President 2016, Nathan Meehan welcoming community members at CTCE



PROFESSIONAL MEMBERS BY TECHNICAL DISCIPLINE



PROFESSIONAL MEMBERS BY AGE GROUP



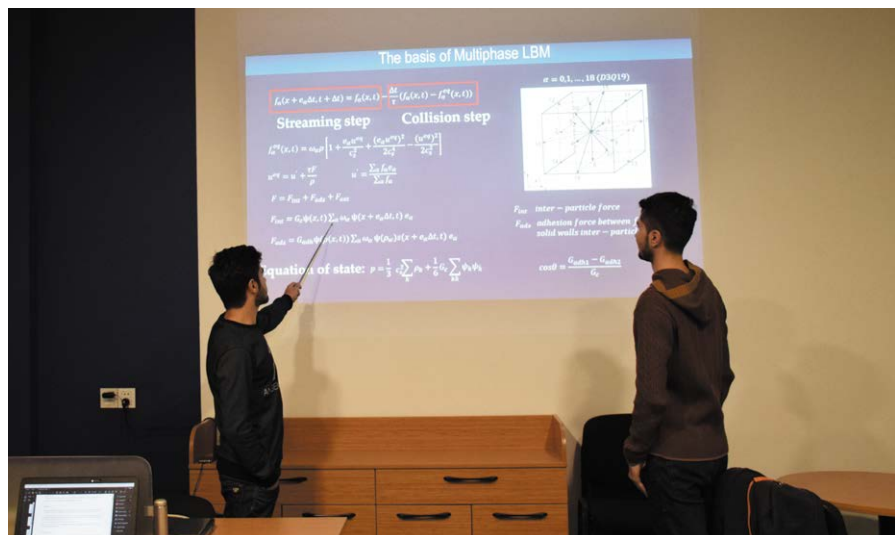
BUDGET

SPE Azerbaijan annual sponsorship budget for programs and activities in 2016-2017 totaled at 40,000AZN.

The majority of the budget is contributed by International Companies including BP, Baker Hughes, Schlumberger, Total and Halliburton, and the rest was received from SPE International. As always, the significant part of the budget was spent on delivering programs and activities aimed at developing students and creating opportunities for their further career growth. We also continue to fund and support activities related to knowledge and experience sharing for industry professionals and university professors.



Vugar Ismayilov, BP Geologist leading a fieldtrip



MAN HOURS

The core of SPE in Azerbaijan is the professionals who are playing an important role in developing the local community through educational and practical programs using their expertise, knowledge and experience. Our programs and activities have already helped many of the community members to become high profile professionals who are now contributing to different parts of the business all around the world. It wouldn't be possible to sustain this level of quality and generally make it all work without passionate, skillful, and experienced volunteers – people who mentor, teach and support.

SECTION
BOARD
MEMBERS





DEVELOPING STUDENTS

SPE OFFERS FREE MEMBERSHIP TO STUDENTS STUDYING OR INTERESTED IN PETROLEUM RELATED DISCIPLINES. ONCE THEY BECOME MEMBERS, SPE AZERBAIJAN SECTION OPENS UP THE VARIETY OF ACTIVITIES AND PROGRAMS THAT PROVIDE HUGE DEVELOPMENT OPPORTUNITY. WE TRY TO ENGAGE STUDENTS FROM ALL YEARS OF UNDERGRADUATE AND GRADUATE STUDIES. ALL EVENTS ARE HIGHLY INTERACTIVE, EDUCATIVE, AND ENCOURAGING IN RESPECT TO CAREER DEVELOPMENT AND ACADEMIC KNOWLEDGE — ALL FREE OF CHARGE.

ROOTS

SPE STUDENT SYMPOSIUM, ALTIAGAC, AZERBAIJAN

As part of student development program of SPE Azerbaijan, the section supported the initiative raised by Aynura Ismayilova, SPE Symposium Lead, to conduct Student Symposium event on 9-10th of September, 2017 in Altiagac, Khizi region.

Twenty students of 2nd, 3rd and 4th year studies with versatile educational backgrounds (Reservoir/Petroleum/Chemical/Mechanical Engineering, Geology/Geophysics) were selected through application process and technical examination.

The event, named "Petroleum Essentials", was aimed to introduce Petroleum Industry Fundamentals to students. The conducted sessions were focused on Reservoir/Petroleum Engineering, Drilling/Completion Engineering and Geoscience followed by interactive games and tasks complementing the knowledge acquired during the lectures.

One of the main reasons for selecting Altiagac as a venue for this 2 day event was its favorable location – the vicinity of a geological outcrop. Turan Eminbeyli, BP Geologist, was very kind to conduct the field trip where he showed the exposure of layers deposited by turbidity currents and carried several practical exercises dedicated to basic field measurements.

Full of competition spirit, students showed great enthusiasm during the lectures and games, embroiled in lively discussions. They maximized their knowledge sharing and had a lot of fun!

In 2016-2017 the section continued providing some of the most effective from the development stand point programs which we believe played a critical role in creating high quality future professionals for the industry.



Turan Eminbeyli, BP Geologist



VIP Guest: Greg Riley, VP for Exploration, BP

Guest Speakers: Turan Eminbeyli, Geologist at BP; Aysel Kazimova, Drilling Engineer at BP; Ayisha Ismayilova, Completions Engineer at BP; Rufat Huseynov, Reservoir Engineer at BP; Elshan Rzayev, Reservoir Characterization Team Leader at BP.

Symposium Lead: Aynura Ismayilova, Operator at SGS Azeri Ltd

Organizational Support: Masail Guliyev, Reservoir Engineer at BP; Sanan Aliyev, Directional Driller at Halliburton Sperry Drilling



YOUNG TALENTS PROGRAM

Young Talents Program was created to develop professional, technical, and soft-skills of students from different technical disciplines. We put in a lot of energy and effort to mentor, coach, and teach students in a structured way to equip them fully with the right skills, ready to take on the challenges in the industry. Those students who go through this program are trained to become the future industry leaders and shapers of the technological and scientific progress.

To achieve this, we created a very carefully and thoroughly thought through selection process, which is one of the most important building blocks of the program – identification of the talent. This program is currently lead and managed by Vugar Bayramov, SOCAR Reservoir Engineer. Our selection process starts with the online application where the students submit very basic information about their academic and non-academic achievements. The selected applicants are then invited to take ability and English tests. The students with the highest scores get next interviewed by the SPE Azerbaijan Section board on technical and people skills. In 2016-2017 Young Talents test results and interviews showed that the dominant part of the high quality students was from Engineering and Science disciplines. In order to maintain an even distribution of students with different background, this year we increased the number of interviewed and positioned to specifically screen talents in Geology and Geophysics. In parallel with searching for new talents in 2016-2017 SPE Azerbaijan also continued with training 2 separate groups: YT Junior group and YT Senior Group.

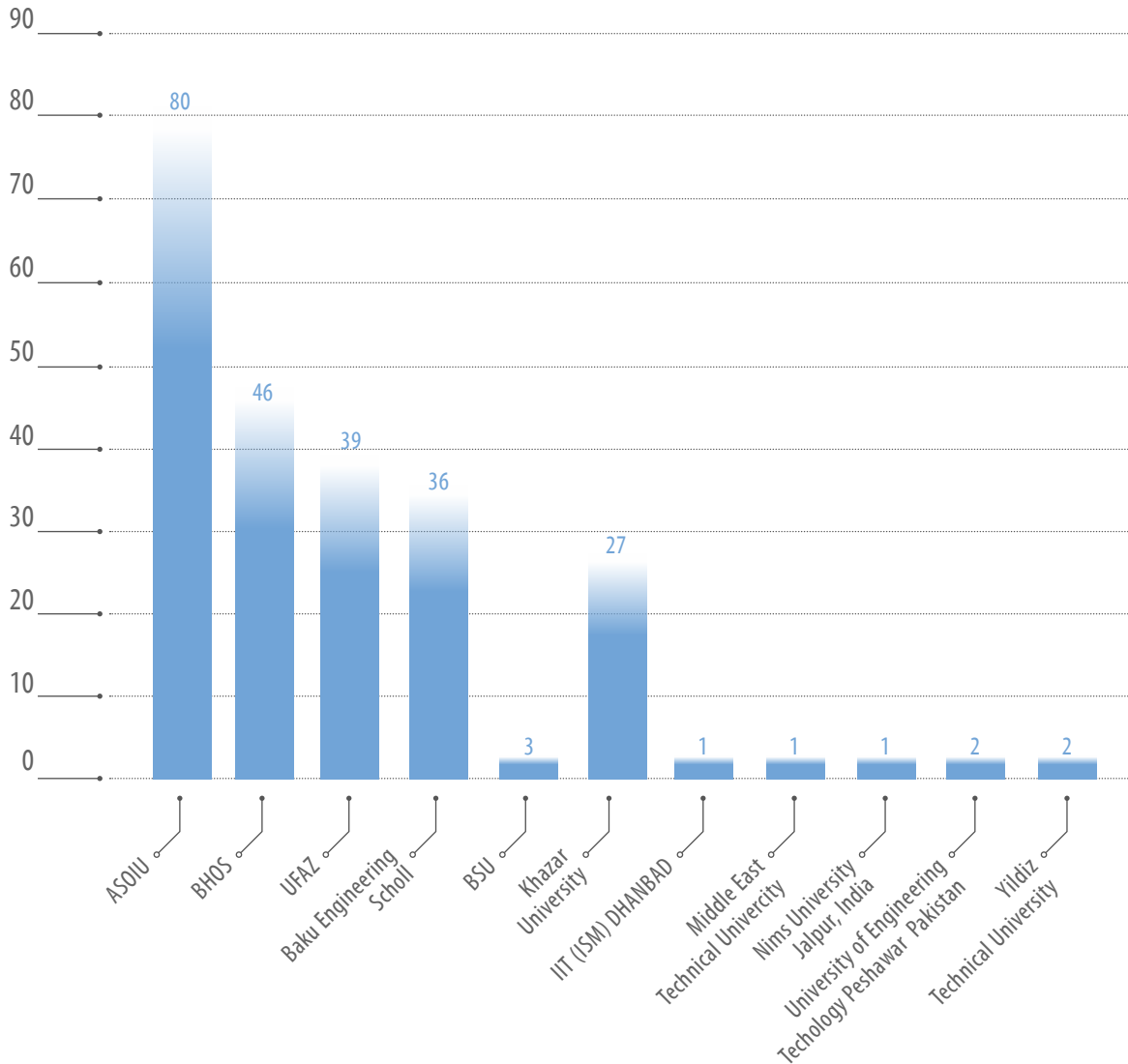


Turan Eminbeyli, BP Geologist

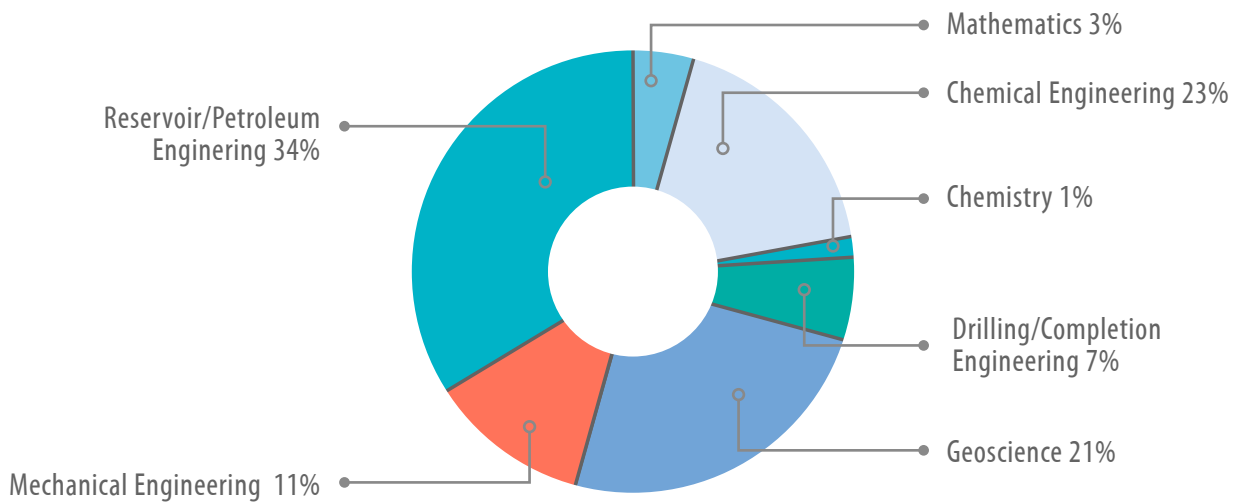


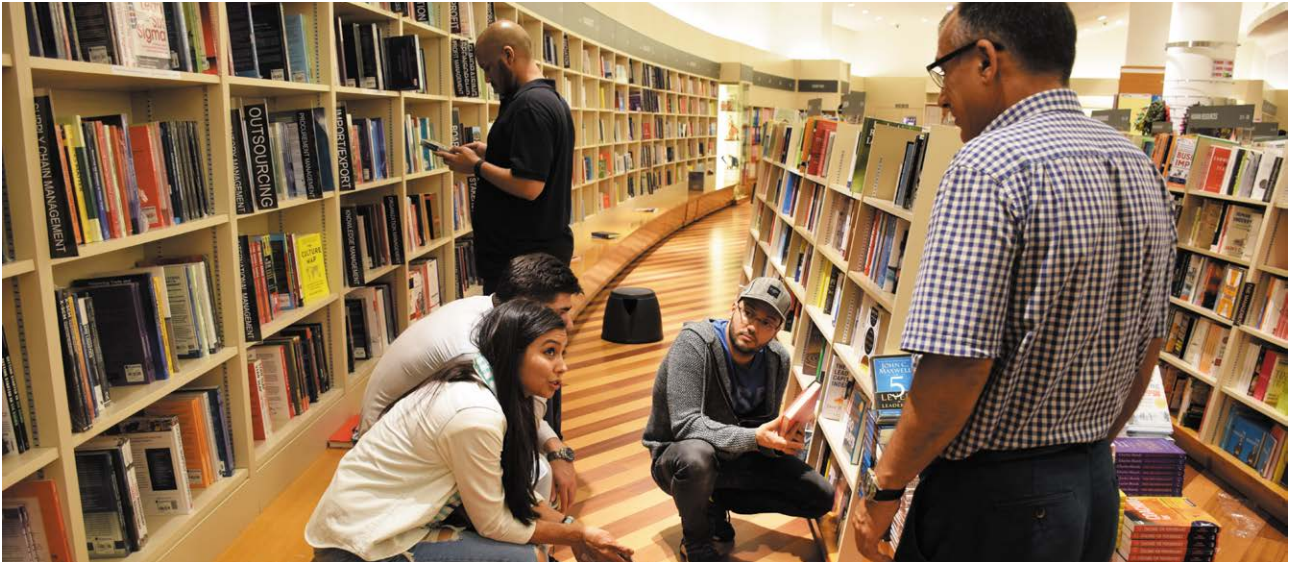
YT Junior group was led by Turan Eminbeyli, BP Geologist who coordinated full semester courses such as: physical geology taught by Rahim Rzazade, Statoil Geologist and Nargiz Dadashova, BP Geologist, drilling engineering given by Adil Ibrahimov, Subsea Wells Engineer at BP and Kamran Alasgarov, Rig Intake Engineer Total E&P Absheron B.V., and fundamentals of petroleum engineering class given by Khalig Ahmadov, BP Petroleum Engineer

DISTRIBUTION OF APPLICANTS BY UNIVERSITY



DISTRIBUTION OF APPLICANTS BY DISCIPLINES





❖ **SOFT SKILLS AND JOINT SESSIONS**

The program includes a specially designed so called Joint Session where each student is given the opportunity to work out the given presentation topic and have it presented in front of the peers and senior industry professionals and leaders. By the end of each presentation, the students are given the full feedback on the ability to communicate and present the technical contents. As well as this, they receive comments on their ability to use the visual aids, relevance of the speech to the slides, body language and the pace of the presentation.



❖ **STUDENT EXCHANGE PROGRAM**

SPE Student Exchange program is a unique opportunity for local student chapters to network with their international comrades, promote chapter and section activities and exchange knowledge on the most recent challenges in the region. In 2016-2017 SPE Azerbaijan Student Chapters hosted two groups of students from Nazarbayev University in Astana and Gubkin Russian State University of Oil and Gas in Moscow.

The spectrum of activities organized for the exchange students was very wide. To name just a few: field trips to mud volcanoes and Yasamal Outcrop, field trips to Sangachal terminal and SOCAR Head Office, participation in SOCAR president Rovnag Abdullayev's meeting with young professionals, round table discussions with local chapter officers, technical sessions provided by local industry specialists, cultural exhibition tours in Baku city.

WELL ENGINEERING SCHOOL

The Well Engineering School (WES) is a new project organized by SPE Azerbaijan Section for 2nd, 3rd and 4th year students. The advantage of participation in this school was granted to the students who would be involved for the first time to abundant educational activities organized by SPE Azerbaijan. The school aims to increase the awareness about Drilling, Completions & Workover knowledge among students by providing high level lectures by Oil & Gas Industry Professionals. The 20 students were admitted to the program based on application results. Well Engineering School kicked off in January 2017 with weekly lectures on Well Drilling and Completion related topics. In addition to the lectures, a visit to Advanced Fluid Facility (AFF) and Mud Lab was organized where WES students familiarized themselves with drilling mud properties and relevant tests. The program finalized in June 2017 and it is worth noting that 70% of WES graduates gained summer internship at different operator and service companies. The school was led by Aysel Kazimova, BP Drilling Engineer and Ayisha Ismayilova, BP Completion Engineer. The next round of program is planned to be initiated in October 2017.



Elnur Amirov, Halliburton LWD Log Analyst and Aysel Kazimova, Drilling Engineer at BP with WES students





SPE DAYS

As students start their first year of undergraduate studies SPE Azerbaijan team embraces them into the community through SPE days at universities. At these events student chapter officers introduce the benefits of becoming a student member and share all the useful skills and fun that they experienced with SPE.

In 2016 these events were coordinated by Vugar Bayramov, SOCAR Reservoir Engineer. Student chapter officers managed to conduct SPE Days at Azerbaijan State Oil and Industry University, Khazar University, and Baku Higher Oil School. This resulted in significant growth of our student members and number of applicants to participate in all our programs and activities.

Guests: Teyrun Gahramanov, Technical Professional at Halliburton , Aleksandra Khramtseva, Baker Hughes Geoscientist, Perviz Allahverdiyev, BP Petroleum Engineer and Shahriyar Alkhasli, PhD Student at Khazar University.

SPE AZERBAIJAN MENTORS



Khalig Ahmadov,
Mentor, Petroleum Engineer at BP AGT



Adil Ibrahimov,
Mentor, Subsea Wells Engineer at BP AGT



Nargiz Dadashova,
Mentor, Geologist at BP AGT



Rahim Rzazade,
Mentor, Geologist at Statoil



Kamran Alasgarov,
Mentor, Rig Intake Engineer at Total E&P Absheron B.V.



Tural Heydarov,
Mentor, Drilling Fluids Engineer at Halliburton



Akram Miriyev,
Mentor, Drilling Engineer at Maersk Exploration



FIELD TRIPS

As part of our activities targeted at fulfilling certain industry needs and developing engineering resources, SPE Azerbaijan runs a number of field trips providing a valuable opportunity to students and professionals to gain hands-on experience in different areas of surface and subsurface engineering. In 2016-2017, with support of the section board the student chapters organized several visits to Outcrops in Yasamal and Kiramaki Valley, Dead Dog Quarry and to the unique mud volcanoes located in Gobustan. The field trip abounded in versatile practical tasks and familiarization with aspects of Structural Geology, Stratigraphy and Sedimentology led by Gasham Zeynalov, Head of Petroleum Engineering Department at Khazar University, Vugar Ismayilov, BP Geologist, Turan Eminbeyli, BP Geologist and Nargiz Dadashova, BP Geologist.



VISITS TO INTERNATIONAL CONFERENCES

OUR MEMBERS PLAY A BIG PART IN REPRESENTING THE SECTION AND THE COUNTRY AT THE INTERNATIONAL LEVEL. WE CONSIDER IT AS PRIORITY TO SUPPORT OUR PROFESSIONAL ACADEMIC AND STUDENT MEMBERS IN THEIR WILL AND DESIRE TO PARTICIPATE AT INTERNATIONAL TECHNICAL CONFERENCES.

❖ **SPE ANNUAL TECHNICAL CONFERENCE ANDEXHIBITION IN DUBAI, UAE**

In 2016 the Azerbaijan section attended SPE ATCE in Dubai, UAE. SPE Azerbaijan was represented by 4 board members, 3 active student chapter officers, 2 PhD students and 1 professor from Khazar University. The team successfully promoted Azerbaijan Section on international level. During 2016-2017 SPE Azerbaijan is steadily following its commitment to develop local academia. As part of this development program professor from Khazar University, Gasham Zeynalov, was exposed to an international conference.

Another highlight of ATCE was formal dinner with SPE International President where SPE Azerbaijan Board members had a chance to share the sections strategy on leading the community and future activities to take place in Azerbaijan, which was well received by Mrs. President.



❖ **10TH INTERNATIONAL PETROLEUM TECHNICAL CONFERENCE (IPTC) IN BANGKOK, THAILAND**

In 2016, IPTC organized another Education Week for the benefit of the brightest 3rd and 4th year undergraduate students majoring in science, geoscience and engineering from 127 universities from 42 countries. Aysura Jalilzade from Azerbaijan State Oil and Industry University was selected to participate in IPTC 2016 based on her outstanding academic performances. The 5 day event was saturated with sessions and workshops covering soft skills courses and prevalent technical issues in the region that industry is facing today. At the same time students had a chance to develop their teamwork, problem solving and data gathering skills through the assigned group projects.



In 2016 and 2017 16 students and 5 professionals from SPE Azerbaijan participated in 6 international conferences.



8TH INTERNATIONAL YOUTH SCIENTIFIC AND PRACTICAL CONGRESS “OIL AND GAS HORIZONS” IN MOSCOW, RUSSIA

The event took place at Gubkin Russian State University of Oil and Gas on 23rd – 25th November, 2016. SPE BHOS student chapter was represented by officers Murad Hasanov and Jamal Ahmedov. The students actively participated in the plenary sessions devoted to topics on challenges in Oil&Gas industry in Arctic zones of Canada, Russia and other countries who have access to Arctic Shelf named “The Arctic – words to actions”



SPE STUDENT REGIONAL DEVELOPMENT SUMMIT, ASTANA, KAZAKHSTAN

SPE Student Regional Development Summit was held within the 2nd SPE Caspian Technical Conference and Exhibition on 1-3 November in Astana, Kazakhstan. The event was aimed at enabling students to gain a better understanding of the Oil and Gas Industry in the Caspian region as well as being given the opportunity to co-operate with peers, share ideas, meet with major industry representatives and also work together on joint technical projects. The main topic of the summit covered the industry in downturn opportunities to move forward in the given conditions.

36 students from Azerbaijan, Kazakhstan and Russia participated in the Summit. Azerbaijan was represented by two students: Lala Jafarova from Azerbaijan State Oil and Industrial University and Farid Hasanov from Khazar University.



❖ **PETROBOWL REGIONAL QUALIFICATION, KRAKOW, POLAND**

As part of SPE Azerbaijan's devotion to increase international experience amongst local students the section decided to continue funding the participation of students in Petrobowl competition. In 2016, SPE Azerbaijan selected a team from Khazar University based on their excellent academic performance to participate at yet another international competition.

Khazar University team showed a very competitive game, but unfortunately only few points prevented them from continuing their journey in Petrobowl. Certainly, students gained great experience while competing with teams from top universities around the world and will improve their performance in future competitions.





ENGAGING PROFESSIONALS

SPE UNITES THE EXPERTISE, ENTHUSIASM AND READINESS OF INDUSTRY PROFESSIONALS TO SHARE KNOWLEDGE AND SKILLS FOR THE COMMON GOOD OF THE SOCIETY AND PROVIDE A UNIQUE OPPORTUNITY TO OUR MEMBERS WITH DIFFERENT LEVEL OF EXPERIENCE AND BACKGROUND TO TRY AND DEVELOP THEIR LEADERSHIP SKILLS BY BEING ENGAGED IN BRAINSTORMING WITH EXPERIENCED MEMBERS OF THE SOCIETY ARRANGING AND MANAGING SMALL AND BIG SCALE EVENTS SUCH AS DISTINGUISHED LECTURES, ANNUAL SYMPOSIUM, TECHNICAL WORKSHOPS, AMBASSADOR LECTURES, RESEARCH AND SCIENCE PROGRAMS.

DISTINGUISHED LECTURE PROGRAM

The Distinguished Lecturer program is a group of peer-nominated professionals selected yearly by SPE International to share their expertise with SPE members worldwide. In 2016-2017 Azerbaijan Section hosted 4 Distinguished Lectures provided by SPE International.



Graham Mensa-Wilmot, Senior Drilling Engineering Advisor, Chevron



Iskander Diyashev, Instructor at PetroSkills



Frank Blaskovich, Reservoir Simulation & System Dynamics Consultant, Blaskovich Services

Frank Blaskovich - "Energy policy: is it Effective? Is it Fair?"; **Graham Mensa-Wilmot** - "Performance Drilling: Expectations, Perceptions, and Path Forward Turning Challenges into Opportunities."; **Iskander Diyashev** - "The future role of oil"; **Nathan Niemi** - Greater Caucasus Mountains: A Natural Laboratory for Understanding the Initiation of Continental Collision



WORKSHOPS

Applied Technical Workshop on Non-Intrusive Monitoring and Diagnostics (ATW) in Baku, 4 – 5 October 2016

SPE Azerbaijan has a commitment to help industry and its members to overcome technical issues or problems that crop up in the field. To address emerging technical issues on a regional scale, SPE has developed a technical workshop and conference event models which have been implemented in Azerbaijan since 2014. This is a fast-track approach to meet pressing needs as they arise.

Following the success of the SPE Caspian Technical Conference and Exhibition (CTCE) in November 2015, with support of BP and SOCAR and other oil operating and service companies The Society of Petroleum Engineers (SPE) organized yet another international event in Baku on 4-5 October 2016 - the Applied Technical Workshop on Non-Intrusive Monitoring and Diagnostics.

This time the workshop focused on the value of non-intrusive technologies such as distributed sensors, wireless communication, non-intrusive downhole meters, etc., to provide decision-making tools that economically optimize a variety of technological processes which take place in the production systems of oil, gas, and gas condensate fields. During 2 days around 70 professionals from 10 local and international companies were actively engaged in presentations and discussions around the field examples and well-characterized development projects involving non-intrusive reservoir, wells and facilities monitoring solutions. These field examples were encountered by companies operating in the Caspian region working extreme environment.

It is worth mentioning that the workshop started with the welcome speech by Yashar Latifov, SOCAR Vice-President for Field Development, where he expressed his gratitude to all the participants and organizers of the event and emphasized the significance and importance of SPE's activities and the workshop specifically designed for petroleum industry both on local and international level.

This ATW was possible only due to the diligent work of the members of the Program Committee co-chaired by Ali Sheydayev, BP Technology Manager and Oktay Baghirov, SOCAR Upstream Subsurface Manager. Ali's personal drive, commitment and his deep understanding of the local and technological challenges helped to guide everyone to provide a very successful and focused event

In November 2017 SPE brings yet another International Conference to Baku – SPE Caspian Technical Conference. Up to 20 industry experts and professionals are currently working on shaping up the technical content of the event. 400+ technical abstracts have been already submitted from all around the world.



❖ SPE DINNER AND LEARN

This year SPE Azerbaijan successfully continued the tradition of SPE Dinner and Learn event, which was launched in February 2015. In terms of its high productivity and engagement level of both professionals and students the series of four SPE Dinner and Learn events of 2016-2017 years was no different to the events held before.

SPE Dinner and Learn events had several positive moments in common: it brought about the culture of sharing technical and non-technical information with the E&P sector in the region, also facilitated the networking amongst the professionals and allowed the students to meet some of the industry leaders who also joined the event.



(from left to right) Eric Meyer, Planning Development Manager at TOTAL Exploration & Production Azerbaijan B.V., Dr. Luis F Quintero, Global Advisor for Production Management in Halliburton and SPWLA President, Teyrun Gahramanov, Sales Lead for Completion Tools at Halliburton.

Acknowledgement: We would like to thank for the immense effort of Teyrun Gahramanov, Halliburton Technical Professional in organizing the aforementioned SPE Dinner and Learn events; Dr. Luis F Quintero, Global Advisor for Production Management in Halliburton and SPWLA President. - "Increasing Recovery Factor through Reservoir Surveillance", Ahmed Badruzzaman PhD, Fellow Am. Nuc. Soc. Pacific Consultant&Engineers, Hayward, CA "Well logging source security/safety and alternative technologies"

❖ AMBASSADOR LECTURES PROGRAM

One of the key directions that our section is focused on is the development of our Young Professional members. Through this Program the new-comers of the E&P sector can grasp valuable knowledge straight from industry experts through lectures on the latest industry challenges, future trends in business development and technologies, as well as guidance on career growing opportunities.



Andrew Hill, Marine Geohazards Technical Authority, BP Exploration, Houston

Garret Fowler, Principal Reservoir Engineer at Tachyus-"Quantitive Oil Recovery Optimization: Turning Data into Actionable"; **Khatira Mikailova**, Materials Control Specialist at Halliburton-"What is strategy? Followed by discussion of Starbuck's success story"; **Ehtiram Azizov**, Fieldwide Base Management Team Leader at BP- "What causes skin and how big data can help"; **Andrew Hill**, Marine Geohazards Technical Authority, BP Exploration, Houston -"25 Years of Geohazards Management to Decrease Engineering Risk"; **Peter Cook**, BP AGT Geophysics Discipline Lead – "Geophysics in BP Azerbaijan"; **Nazim Abdullayev**, BP AGT Senior Exploration Geoscientist - "Stratigraphy of South Caspian Basin"; **Kasim Sadikoglu**, Reservoir Manegement Advisor, BP – "Major Challenges in Reservoir Upscaling".



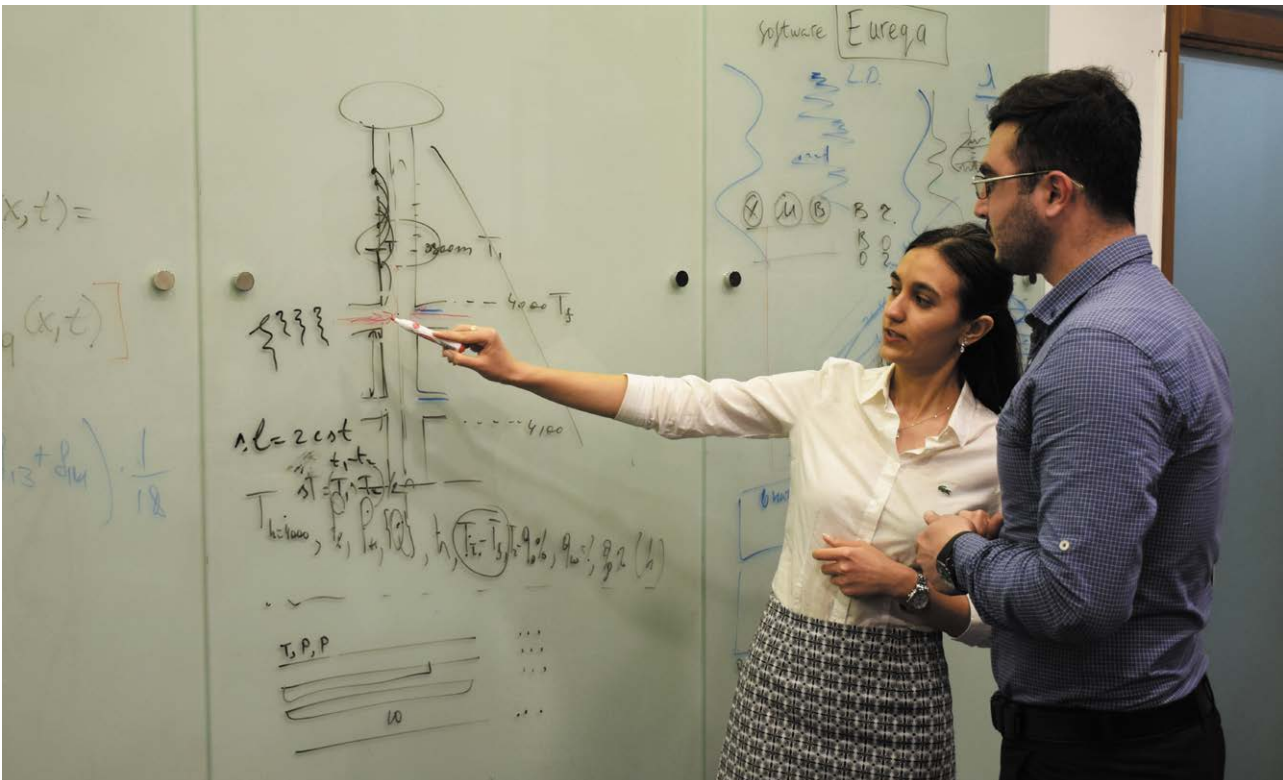
RESEARCH DEVELOPMENT & FACILITATION

EDUCATION HAS ALWAYS BEEN A BIG PART OF SPE AZERBAIJAN'S PORTFOLIO AND FUNDAMENTAL IN BUILDING THE LOCAL TECHNICAL CAPABILITY. AN ACTIVE GROUP OF MEMBERS OF OUR ORGANIZATION IS TARGETING RESEARCH AND SCIENCE FACILITATION AT THE HIGHER EDUCATIONAL INSTITUTIONS AND ACTS AS THE LINK BETWEEN THE EDUCATION AND INDUSTRY.

RESEARCH DEVELOPMENT & FACILITATION

SPE Azerbaijan has been actively working on promoting and facilitating research and studies in petroleum related topics among the students, young professionals and professors at local Universities. In 2015 SPE Azerbaijan started supporting Khazar University in building their research capability and participated in the establishment of the research and development center there called “eiLink” (Education to Industry Link). Khazar University’s overriding goal is achieving research excellence across many fields and providing high-quality education.

The university has already started conducting studies and research for the industry in Geoscience and Reservoir Engineering disciplines under close mentorship and quality assurance from the industry professionals within SPE Azerbaijan. We see a great potential in this collaboration and looking to grow it in the near future.



SUPPORTING QUALITY PhD RESEARCH IN KHAZAR UNIVERSITY

SPE Azerbaijan has mentored and coached hundreds of students over the last decade. This newly adopted mentorship in Khazar University is distinguished by its individualistic approach in bringing up the talent and passion for developing and applying intellect.

Khazar University PhD students below are graduates of SPE Azerbaijan Young Talents and Mentorship Programs.

Izzat Shakhzenov has got his MSc degree in Applied Mathematics and Physics from Moscow Institute of Physics and Technology (MIPT). eiLink R&D researcher working thermodynamic, mechanical and electrical models for wettability of the porous medium.



Shahriyar Alkhasli has got his MSc degree in Petroleum/ Reservoir Engineering from The University of Tulsa, US. eiLink R&D researcher, currently involved in dynamic modelling of the fluid flow through the porous medium using Lattice-Boltzmann methods.

Elshan Aliyev has got his MSc degree in Petroleum Engineering from Colorado School of Mines (CSM), US. eiLink R&D researcher with strong rock physics expertise. He is currently working on modelling of the shale compaction trends for the South Caspian Basin.

As PhD students complete their projects, SPE Azerbaijan Research & Science Facilitation Group supports them with publications at prestigious scientific and engineering magazines. Perhaps, this is one of the most exciting and creative moments for a researcher when the outcomes of a long and hard work are being put in writing for the benefit of the whole World and especially those who will be conducting similar or relevant studies in the future.





« Khazar University has been providing quality higher education for the young generation over the last 25 years. We focus our efforts to create an educated workforce for the country be it in technical or humanitarian disciplines through adopted world class curriculum and favorable academic environment.

One of Khazar University's strong sides is open collaboration and flexibility in partnership with the single aim to raise the intellectual potential of our students and academic staff. The recent initiative from SPE Azerbaijan to jointly establish a research and development center within Khazar University that would serve as a link between higher education and industry is a great model to successful development and creation of educated workforce.

To speak my mind, I'm already impressed and excited with the results so far given the short life of the research center. I am particularly proud with our PhD students delivering applicable and publishable results that meet international standards. »

*Professor **Hamlet Isakhanli**,
the Founder of Khazar University*

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Azerbaijan Section



ANNUAL REPORT
2016-2017



HALLIBURTON

Schlumberger

