

SOCIETY OF AFGHAN ENGINEERS

QUARTERLY
eNEWSLETTER



CELEBRATING
10 YEARS OF
CONTINUOUS
SUCCESSFUL
PUBLICATION

FRESH WATER GUSHING OUT FROM A ROCK - DARA AJER BAMIYAN



SAE eNEWSLETTER

VOLUME 12, ISSUE 4

MEEZAN 1401

OCTOBER 2022

SAE MISSION

TO PRESENT A FORUM FOR AFGHAN ENGINEERS, ARCHITECTS AND SCIENTISTS IN THE SHARING OF EXPERIENCES AND KNOWLEDGE AND FOSTER THE PROMOTION OF SCIENTIFIC, ARCHITECTURAL AND ENGINEERING ETHICS IN OUR QUESTS TO ENHANCE AFGHAN CAPACITIES IN THESE FIELDS FOR THE SERVICE OF AFGHANISTAN AND THE WELL BEING OF THE PEOPLE.



SAE eNEWSLETTER

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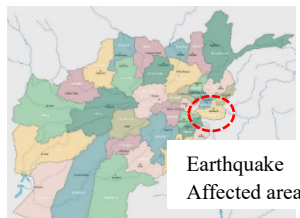
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Note From the Editor-in-Chief, SAE eNewsletter



Earthquake can happen at any time; no matter where it occurs, it creates a disastrous impact on living beings, and it disseminates news of death and destruction. On June 22-2022, around 1 am when the residents were in sleep, a 15 km deep earthquake measuring 6.2 occurred, in Paktika and Khost provinces of eastern Afghanistan. It destroyed several thousand homes, injured more than 6000 people, and caused more than one thousand deaths. The earthquake caused more damage and destruction in the two Woleswali (district) of Bermel and Gayan of Paktika.



These two scenic districts are mountainous regions and difficult to reach by road. There are no adequate medical or major economic infrastructure or local economy in existence that could provide aid to the residents. The closest shopping and bazar available are about a 5 hours' drive to Sharana, and Khost. The only product available is Jelghosa (pine nuts), which some of the residents collect and sell.

Seeing pictures of the destruction and stories of survivors are heartbreaking, families have lost members and animals lying buried under rubbles for days. This is a region where family members have a strong connection and live together in one compound and closed quarters. People live in old mud houses in the foothills. In general homes in these localities and most of Afghanistan are constructed from mud-clay material, and not designed for earthquake.

A college student only survivor: A medical student, named Khanzela, who is studying in Khost province, received a call to go home. He did not know who in his family has survived, when he reached his home after 7 hours of drive, all he could find of his family were 19 graves at a cemetery. Nineteen (19) members of his family including his wife, his two children, his father, mother, brothers, and sisters with their children, perished in this earthquake. In the rubbles of his home Khanzela finds his son's hat seen in the picture. Now, he is worried about his study, his economic situation, and his future.



Khanzela is walking through the rubbles of his home, where 19 members of his family perished. Notice the large pieces of walls and roof's material, that had fallen on his family.



Khanzela is pointing to the location where his wife, and children were sleeping

What is Earthquake: Earthquakes is the result of vibration of the ground triggered by the sudden release of energy below the surface of the earth. The strength of the earthquake is measured by seismometer, the size of it is measured by a number called magnitude identified on the Richter Scale. It is believed that the main cause of the earthquake is movement of the tectonic plates , other causes could be human activities and/or volcanic eruption.

The crust of the earth is made of plates called tectonic plates. These plates and the outer layer of the earth are floating on a molten magma under the earth crust that causes the plates to move. These plates move continuously, when the plates break energy is released. The sudden release of energy causes the ground to shake, that shaking generates seismic waves that travel in the horizontal and vertical directions.

The point where the plates break, and earthquake begin, is called focus and the location above the focus on the surface of the earth is called the epicenter. The area that breaks on the earth crust is known as fault which are seen on the earth surface. There are four fault lines in Afghanistan located in the west-east-north and south-east-north direction, see map.



Extent of destruction in Paktika and Khost

In the house, below, 7 people died and several more were injured. The collapse of the ceiling floor, either



The steel I beams that supported the ceiling floor above look intact, but separated from the supporting wall that probably had less supporting edge at the opposite wall, and brought the ceiling floor down

from dislocation of the beams, or collapse of the walls, brought down huge pieces of walls and ceiling floor material, a massive weight on those who were sleeping.

New cracks in the ground surface from a second earthquake a few weeks later in Paktika, have been found.



House collapsed completely



new crack in the ground

Holes in the wall support for ceiling floor beams

Future Generation in Trauma: The earthquake took the lives of many children, and some of them lost their parents, and siblings, with many now homeless. These children who are the future generation will remember this earthquake, the loss of their families, and the destruction of their homes. They will live with these memories; the trauma could have a deep psychological scar on their future life.



Cracks in a wall



These two girls are not sure how they will survive, who will take care of them.



The above children lost their families, the alley that they used to play is now full of rubbles. They don't have anyone to make that place their playground again.



Sister and brother the only members of a family left



The only member, of a family left is this girl in Khost, now in the custody of her relative who must take care of her.

Survivor of a family is this girl. Her relative must take care of her.



Aid to the Survivors

Local Authorities with several charity organizations are delivering and distributing aid (food and medicine to victims) to the residents.



The boy and girl lost their entire family. Each is receiving money from a charity organization to build a room, kitchen, and bathroom so they can be under a roof in the coming winter.

Encouraging News: UNCHCR and few other organizations have decided to build several thousand houses for the residents, Hope they will complete a detail study of the site prior to initiating construction. If this area is not suitable they should consider another location for building new residents.

With Best Regard
 Hafizullah Wardak
 Editor-in- Chief SAE eNewsletter and Chairman - SAE eNewsletter Subcommittee
 hwardak@comcast.net

SAE Society of Afghan Engineers

Message From the President of SAE October 2022

Members of the Society of Afghan Engineers



The summer of 2022 is behind us without significant changes in Afghanistan regarding education and development projects. The United States has not changed policies to recognize the Interim government of Taliban. The sanction continues and the international communities placed restriction on non-governmental agencies' function and communication with the government agencies in Afghanistan.

The Society of Afghan Engineers remains determined to follow its missions to strengthen the promotion of scientific, architecture and engineering professions to enhance the Afghan capacities in these fields.

I am delighted to report that the Bamiyan International Students Design Competition, “Re-Housing the Cave Dwellers of Bamiyan” completed its first phase of registration of competitors successfully. Over seventy (70) universities from around the world and six (6) universities from Afghanistan were invited to participate in this competition. Latest figures indicate that around fifteen universities from around the world and three universities from Afghanistan will participate in this competition. Prizes of \$2,500, \$1,500, and \$1,000 will be awarded to the first, second, and third place winners. In addition, the Society plans to find ways to support the universities in Afghanistan financially to equip themselves to produce quality designs hopefully equivalent to universities in the USA, Europe, Asia, and Africa. Therebefore the Society invites donors to support this noble cause.

The SAE Fundraising initiated in July 2022 to help the Earthquake victims in Paktika and Paktia provinces hit a bump in the road due to the fact that the importance of a comprehensive feasibility study was overlooked. Donors and SAE members decided to provide portable water by providing Deep Wells for the villagers affected by the earthquake. Despite the 13-hour road trip from Kabul to the village of Geyan, Paktika and survey of the damaged villages by SAE representative in Kabul, Walid Howaida and Mr. Amin Mahmood (who happened to be in Kabul), the cost of constructing Deep Water Wells came over-budget. A second option was to finance the establishment of a library in Mazar-e-Sharif, but donors and SAE members preferred the funds to be used in earthquake affected areas of Paktika or Paktia provinces for which the fund raising was performed. I had telephone conversation with one of the faculty members at Sheikh Zayed University in Khost, Paktia to support the school of engineering and architecture at that university. Unfortunately, due to administrative restriction, funds need to be distributed through the Ministry of Higher Education. We did not pursue that option. Currently, the SAE representative in Afghanistan is planning a second trip to the Paktia to explore other options for the distribution of the funds.

The SAE 2022 Annual General Assembly meeting which was scheduled for September 17, 2022, had to be postponed due to unforeseen circumstances and to better coordinate the agenda of the meeting. The task force assigned to organize the SAE 2022 General Assembly proposed to re-schedule the conference for October 22, 2022, and the new date was approved by the president and the Board of Directors.

SAE Website is under continued construction, improvement, and completion. Thanks to Ms. Donya Amiri, SAE Membership Committee chairperson for her hard work, dedication and commitment who leads the task force working on the SAE website project.

The president of SAE was invited to meet with Mr. Thomas West, United States special envoy for Afghanistan, in a meeting organized by the Afghan American Chambers of Commerce in Washington D.C. on June 17, 2022. I planned on attending this meeting and to meet with Mr. Thomas West to introduce the Society, but due to flight delays, my trip was cancelled.

“SAE leadership believes that in the present critical juncture in Afghanistan and the life of Afghans, with proper help from the American government, our organization may be able to render critical support to uplift the lives of the suffering people of Afghanistan.”

With Regards,

Najim M. Azadzoi, AIA

SAE President

Message From the Chairman, SAE Board of Directors

Dear readers of the SAE eNewsletter,

Disasters have become routine throughout the world and specifically in our grief-stricken country. If it is not the nonending wars and atrocities, it is the earthquakes and the floods. The recent earthquake in Paktika is a bitter reminder. During the many decades of conflicts, villages and cities were destroyed and millions were displaced internally and externally. And to add more to the injuries, nature has gotten angry and is getting angrier day by day. One third of Pakistan was flooded recently.



Our urban areas are a whole different discussion, but it is the rural areas that should worry us the most. In our country, about 74 % (World Bank 2021) of our people live in rural areas with no or little needed basic services. Houses are made of mud, or at best, from adobe bricks. In some high grounds, stones are also used in building houses. Earthquakes can devastate such construction and can also trigger landslides in mountainous terrains. Afghanistan is crossed by many faults, of which, the Chaman fault, the Hari Rud fault, the Central Badakhshan fault, and the Darvaz fault are those that will most likely contribute to seismic hazards. It is certain that locals do not have any knowledge of these and would not know ramification of living or building in such areas.

When I was a tenth-grade student at the Afghanistan Institute of Technology (AIT), I lived in an apartment in the Char Chata area of Kabul and always wondered about what was giving those interconnected structure their strength and stability. At one point, a large piece of the face plaster (Kagil) fell off at a stairway, and I was surprised to see the vertical lattice-work of wood inside. That was the secret of its strength.

Recently researchers at Imperial College in London developed a method that includes the use of timber, reinforced with a lattice-work of treated bamboo for earthquake prone areas. Bamboo is not common in Afghanistan but I am sure an alternative can be found, or maybe, it can be grown here onward. Once in place, even an infill of mudbricks covered with chicken mesh, and the use of Kagil, would prevent a building from crumbling apart into debris in the event of an earthquake. We also have to find an alternative to the use of heavy mud as roof covering.

My point of bringing the above is a call for an initiative by all of us to look beyond structural steel and reinforced concrete. Let's develop a manual of simple methods that will include the use of local material and should be easy enough for someone in a remote village to follow. One house standing is one family saved, and saving lives is priceless.

Stay safe and be well.

Sincerely

Abdul Manan Khalid, P.E., LEED (BD+C)
Chairman, SAE Board of Directors

SAE Executive Action No. 20, September 15, 2022

SAE Executive Action No. 20, September 15, 2022

RESIGNATION OF SAE TREASURER, MAHMOUD SAMIZAY

Dr. Mahmoud Samizay served as SAE Treasurer since January 2021 submitted his resignation by an email dated September 11, 2022. Dr. Samizay was responsible for the financial affairs of the Society, including, receipt, deposit, safe keeping and proper expenditure of all funds of the Society. Mr. Samizay prepared the Society's annual budget and reviewed it by the President and Executive Committee and submitted it to the Board of Directors for approval.

Dr. Samizay served the Society as a Treasurer honorably and performed his duties to utmost honesty and accuracy.

He will continue to be a member of the Society as he has been in the past 20 years and served in different capacities as a Member of Board of Directors and in the Executive Committee as well.

His absence as the Treasurer of the Society is a big loss and a great setback in the ongoing activities of the Society.

With Regards,
Najim M Azadzoi, SAE President.

SAE Executive Report No. 21, September 16, 2022

SAE Executive Action No. 21, POSTPONE OF SAE GENERAL ASSEMBLY MEETING, 2022

September 16, 2022

The **SAE 2022 Annual General Assembly Meeting**, which was scheduled for Saturday, September 17, 2022; has been postponed to Saturday, **October 22, 2022**.

Due to unforeseen circumstances and to best coordinate the agenda of the meeting, SAE President asked the three-member Task Force to review and evaluate the possibility of postponement of the scheduled SAE September 17, 2022, General Assembly to a later date. The Task Force proposed the new date of the General Assembly to be **October 15, 2022**. The President and Board of Directors concurred to postpone the General Assembly, but they approved the new date to be **October 22, 2022**. The time of the meeting remains to be 1:00 pm to 3:00 pm (EST).

Members of the Society of Afghan Engineers who would like to participate in this year's General Assembly Meeting may wish to contact the Task Force and submit their papers for inclusion in the meeting. The Task Force of the SAE General Assembly Meeting are:

1. Professor Rafi Samizay
2. Rafaat Ludin, Chairperson of the SAE/Afghan Government Agency Liaison Subcommittee
3. Hafizullah Wardak, SAE Editor-in-Chief

We look forward to your participation and contribution to this year's SAE General Assembly Meeting.

Sincerely yours,
Najim Azadzoi,
SAE President

SAE Executive Action No. 16, INTERNATIONAL STUDENTS DESIGN COMPETITION, REHOUSING THE CAVE DWELLERS IN BAMİYAN, AFGHANISTAN.

Consistent with our mission: to improve, educate, and sustain the practice of the architecture and design in our country, this year we are planning to launch an “International Student Design Competition to rehouse the displaced families who occupy the caves at the historically known cliffs of Bayan where the remains of the Statues of famous Buddha are located,” hosted by SAE, Architecture/ Urban Design sub-committee. Among the participant universities will be various architecture and urban planning programs in Afghanistan, in partnership/collaboration with few invited foreign universities. The education goals are to encourage collaboration, interchange and learning between the participant Afghan/foreign universities. The assigned team, “International Housing Competition Team,” for this task is diligently working on the following.

- 1. Scope of the competition** – The international housing design team had several meetings during past months on the preparation of the document, and currently the final draft is prepared and is ready to be released. The document defines the design program components such as: the scope and goals of the competition, detailed space and site programs, timelines, submission requirements, eligibility, evaluation criteria, jury composition, and awards.
- 2. Participant universities** – Invitation letters are prepared to be sent to the selected Afghan/foreign universities, architecture, and urban design programs to participate in the housing design competition. Possible Afghan universities will be: the Kabul University, Kabul Polytechnic, Herat University, Kandahar University, Paktia, Khost and Nangarhar universities. Among the foreign universities, currently we are considering inviting MIT, Harvard University, Washington State University, and Hartford University. Other interested qualified institutions may be added to the list with the approval of the team.
- 3. Funding and expenses** - Fundraising possibly among SAE members and other donor organizations will be held to help the Afghan students with costs related to the design production, equipment, materials, and other related expenses. Prizes will be decided accordingly when funding becomes available. A fundraising flyer/poster is prepared to be circulated among the possible donors for this purpose soon.
- 4. Timelines** –We are targeting to advertise, and release the housing competition program to the selected universities by June 2022 – Registration will be open to universities between July 15 and September 30th, 2022, through our website electronically at www.afghanengineers.org. Competition submission deadline will be on December 15, 2022, and selection of the winners, Jury reviews/ announcement of the winners will be held on January 15-30, 2023
- 5. Website for the competition** – The SAE website which is already approved by the board of directors is near completion. The site will exhibit the competition materials, a

data bank, and related information to the competitors for easy access. Also, the site will aid the jurors to access the final project submissions for their evaluation.

Keeping in mind that at this point the competition is aimed to improve the quality of design education in Afghan universities - however, we are hoping that the outcome of the student design competition to rehouse the displaced families of Bamiyan, will become a catalyst for helping the communities in the Afghan cities with their acute housing problems.

Yours,

Najim Azadzoi, SAE President

Bashir Kazimee, SAE Architecture Subcommittee Chairperson

An Update on Bamiyan Housing Competition

Minutes of The Zoom Meetings, Saturday, 09/24/22

Respected Members of the SAE:

The Bamiyan Task force lead by Prof. Bashir Kazimee held a zoom meeting Saturday, September 24, 2022, at 1:00 pm (EST). Other members who participated at this meeting were Rafi Samizay, Reinhard Goethert, Mehdi Sabet, Hamayon Ibrahim, Mahmoud Samizay, Walid Howaida and Najim Azadzoi . The meeting ended at 3:40 pm (2 hrs. 40 minutes).

1- Registration:

Kazimee Sahib reported that 10 universities from around the world submitted their registration forms. Among them are 2 universities from United states, and one each from Egypt, Indonesia, Nepal, China, Bulgaria, Italy, United Arab Emirates, and Lebanon. Also, Kabul Polytechnic and Kandahar University department of architecture have submitted the registration forms. Kabul University Faculty of Engineering Department of architecture and department of urban planning are in the process of submitting their registration from.

The deadline to close receiving of registration form is September 30, 2022, however, the task force may want to extend the deadline to a later date if needed.

The good news is that our new website is working, and registration forms are being submitted via the website. Thanks to Donya Jaan Amiri.

During the past one-month, hundreds of emails and messages were received from various universities around the world asking questions and clarification the detail program and schedule of the competition. Questions included information about the site location, design programs, additional site details and the details of the design requirements, evaluation process, and submission requirement and process. The task force members responded to all the questions and inquiries promptly. I commend the hard work of Kazimee Sahib and the rest of the team members.

2- Requests from Universities in Afghanistan.

- Kabul Polytechnic University requested that their computers are outdated and do not have the capacity/memory to handle the production of design requirements at high quality.
- Kabul University, Head of the Architecture department plans on making a field trip with the students to Bamiyan to survey and document site. The trip may require some financial support.
- Kandahar University has submitted one registration form with the name of only one faculty advisor and one student.

All three above subjects are being reviewed by the Task Force to respond and decide accordingly. SAE is planning to raise funds to support Afghan students and universities financially.

3- Fundraising for the Project

The task forced decided to raise \$10,000 to support this project. Five thousand dollar will be awarded to the three winners: \$2,500 to the first winner, \$1,500 to the second winner, and \$1,000 to the third winner. The rest will be used to help and support the Afghan students and universities who participate in the competition. SAE has already opened a separate bank account under the same SAE bank account, only for the Bamiyan project.

AACC will publish the Bamiyan Competition **flyer** to their upcoming eNewsletter. AACC newsletter is received by hundreds of Afghan and American businesses, entrepreneur and companies involved in project

in Afghanistan. The Task Force recommended to prepare a letter of invitation send it to selected and targeted individual and companies for donation. Please introduce the name of individual and companies you know who would be willing to donate and sponsor the project.

4- Next Phase of the Project:

After the completion of the registration, the task force will prepare and send design requirements and schedule to all participants. Although the task force has already prepared the design requirement in the program of the project which was sent to all, but a final design program will be updated and sent to all competitors.

Minutes of zoom Meetings, Sunday, 09/25/22

In the meeting of 09/24/22 it was decided that I should schedule a zoom meeting with Kabul Polytechnic University and Kabul University to discuss their questions and concerns regarding the competition.

I sent email of invitations to Dr. Amanullah Faqiri, Chancellor of Kabul Polytechnic University, Dr. Saraj Sharifzai, Head of the department of architecture at Kabul University, and to Mr. Kamil Halimee, Head of the department of urban planning at Kabul University and set up a zoom meeting for Sunday, 09/25/22 at 12:00 pm (EST) and 8:30 pm Kabul time. Due to weak internet connection, only Mr. Sharifzai was able to join the meeting, but we could not hear his voice clearly. Faqiri Sahib and Halimee Sahib tried to to join the meeting but could not connect. Mr. Walid Howaida was present at the meeting.

It was decided to call Mr. Sharifzai via whatsapp and talk to him. The discussion lasted at 1:20 pm. In summary, he agreed to submit registration form to enter the department of architecture fifth year students to the design competition. However, he mentioned that the students and faculty need financial support to purchase basic materials such as stationaries, equipment in order to produce quality design presentations.

Should you have any questions, please email me or Kazimee Sahib. Please do not reply to all.

Sincerely yours.

Society of Afghan Engineers

Najim Azadzo, AIA, President

P.O. Box 151584

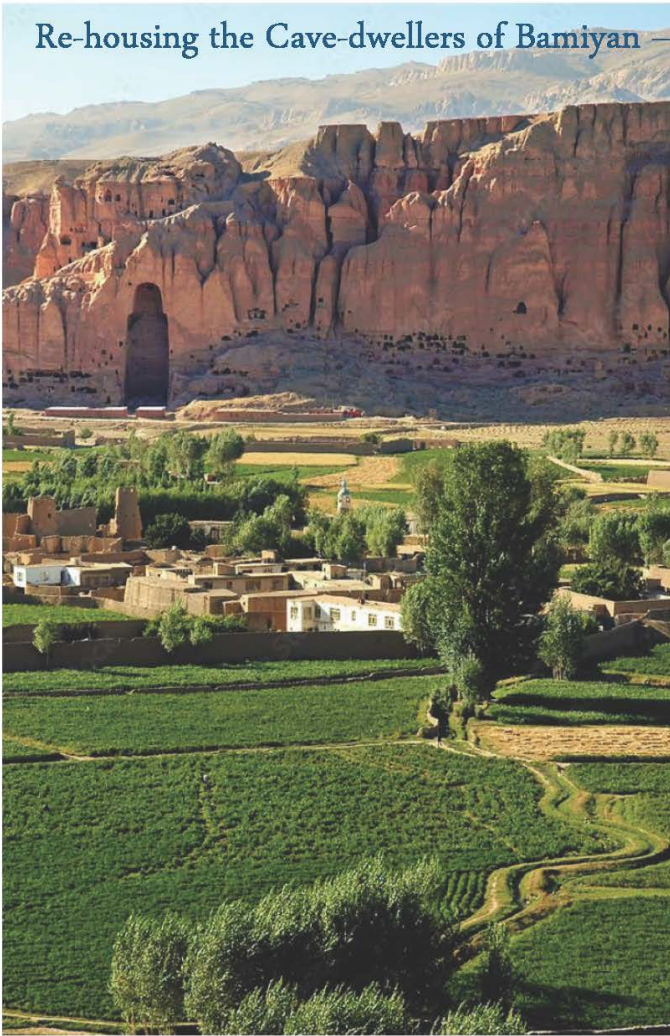
Alexandria, VA 22315, USA

www.afghanengineers.org

Tel: 617-558-4144, 617-697-7500

Re-housing the Cave-dwellers of Bamiyan – an International Student Design Competition

S.A.E. invites support from the potential community donors to fund this worthy competition



Sponsored by the Society of Afghan Engineers (S.A.E.), Architecture and Planning Division

The international academic design competition focus is to rehouse the current displaced cave-dwellers at the historical cliffs of Bamiyan valley where the remains of the notable Buddha Statues are located. The competition is open to Afghan universities and selected US institutions of architecture, urban design and engineering programs for the Fall 2022. The competitors must register electronically between July 1st through September 30th on our website: www.afghanengineers.org.

SAE Address: Society of Afghan Engineer

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Email: Najim Azadzo, AIA - azadarch@aol.com

Prof. Bashir Kazimee, AIA - bkazimee@wsu.edu



Fund Raised for the Earthquake Affected Areas of Paktika and Khost Provinces

No	First Name	Last Name	Check #	Date	
1	Tooba	Roshan	check	8/15/2022	1,500
2	Abdul Waheed	Hassani	1080, 1081	6/28/2022	800
3	Ghulam	Mojtaba	2103	6/28/2022	500
4	Nadir	Sidiqi	check	8/15/2022	300
5	Reza	Afshar	Chek	8/15/2022	300
6	Bashir	Kazimee	3262	7/14/2022	200
7	Hafizullah	Wardak	4556	6/28/2022	200
8	M. Saber	Sarwary	2917	6/28/2022	200
9	Manan	Khalid	531	6/26/2022	200
10	Najim	Azadzoi	1993	7/1/2022	200
11	Zarjon	Baha	8115	6/23/2022	200
12	Said Sharif	Hossainy	cashier check	7/14/2022	200
13	Jalal	Masumi	Wire	4/25/2022	150
14	Gul Afghan	Saleh	288	7/1/2022	100
15	Yar Mohammad	Mohabbat	162	6/29/2022	100
16	Qaseem	Naimi	wire	7/5/2022	80

Total \$5,230

SAE Society of Afghan Engineers

Report from SAE Representative in Kabul:

SAE representative in Kabul, Mr. Walid Howaida, visited the Engineering Faculties of Balkh University, Kabul Polytechnic University, and Kabul University in June 2022. He met with the Deans of engineering schools in each University.

The Faculty of Engineering of Balkh University has Chemical Technology, Hydrotechnical Infrastructures, Physics & Math departments. The total number of students at the Faculty of Engineering is 1267 students of which 450 are female. The Engineering Faculty has 29 lecturers, four of them have Ph.D. degrees, three with master's degrees, and the rest have Bachelor of Science degrees of which six are female. They expressed the need for scholarships, laboratory equipments and classroom facilities.



Dean of the School of Engineering at Balkh University and Mr. Walid Howaida

Mr. Howaida also met Abdul Rashid Eqbal, president of the Kabul Polytechnic University, and Dr. Amanullah Faqiri Dean of Civil Engineering.

Kabul Polytechnic University has eight Faculties and 23 departments. Both Dr. Eqball and Dr. Faqiri expressed the need for scholarships and the need for improving classroom facilities. Mr. Howaida informed them of the SAE's recent Bameyan Project and learned their views on this project.



Civil Engineering Classroom in Kabul Polytechnic University, Dept of Civil Engineering Dean and Walid Howaida, SAE Representative



Walid Howaida, & Amin Mahmood in a meeting with a group of female Architects



Walid Howaida, meeting with Dr. Naimzad, Dean of the School of Engineering and Dr. Sharifzai, Head of the Dept of Architecture and other faculty staff

Mr. Howaida with Mr. Amin Mahmood visited Earthquake affected area of Paktika province. They talked with the village elders. The village elders expressed residents' need for drinking water and would like the possibility of digging few wells in their areas. Both, Mr. Howaida and Mr. Amin, then had a meeting with the representative of UNHCR who is planning to build houses for those affected by the earthquake.

UNHCR is planning to build 1000 residents in Geyaan and 1000 in the Barmal districts of Paktika and 300 homes in the Spera district of Khost province. Mr. Mahmood shared his experience with the UNHCR team

Mr. Mahmood also had a presentation at the Polytechnic University and Kabul University on the effects of earthquakes on buildings, which was attended by students and faculty staff.



Mr. Amin Mahmood and Mr. Walid Howaida at the Polytechnic University.

Based on the instruction of Mr. Najim Azadzoi, president of SAE, the SAE representative in Kabul Mr. Walid Howaida traveled to Gardez the capital of Paktia province on September 26, 2022.

Mr. Howaida wrote the following: “The dean of the engineering faculty of Paktia university was not available and I met two senior lecturers of the civil engineering and architecture departments of the engineering faculty of Paktia university. I met Mr. Fareed Hasel from the civil engineering department and Mr. Arghawan from the architecture department.”

The Paktia University was established in 2004 and has a school of **engineering** in addition to the schools of **architecture**, economics, agriculture, medicine, law, and political science. There are around 850 students currently enrolled and around 100 of them are female.

Mr. Hamidullah Sidiqqi, **Chancellor of Paktia University** contacted Mr. Najim Azadzoi with an email, this week, and expressed the urgent needs of the university. Mr. Sidiqqi is a 1986 graduate of the Faculty of Engineering at Kabul university.

The architecture department has recently been established with around 20 students. The architecture department and other engineering departments have no studio and no relevant equipment. The head of the Architecture department is a graduate of the Faculty of Engineering, and his name is Mr. Arghawan. Mr. Arghawan indicated that his department needs an Architectural studio, related equipment, and supplies.





A group of Students during exam

From left to right: Mr. Arghawan, architecture department faculty; Walid Howaida, and Mr. Fareed Hasel, Civil Engineering faculty.

FAMOUS WORLD ARCHITECTS

By

Dr. Said Sharif Hossainy

The second part

Antoni Gaudí



Antoni Gaudí was a Spanish architect, June 25, 1852, Riudoms, Catalonia, Spain - June 10, 1926, Barcelona, Catalonia, Spain

Architect Anthony Gaudi, Known as Gaudi, was born in June 1852 in Riudoms, Catalonia, Spain. After graduating from the faculty of architecture named the, (Superior Technical School of Architecture) he started his career in Barcelona in 1878.

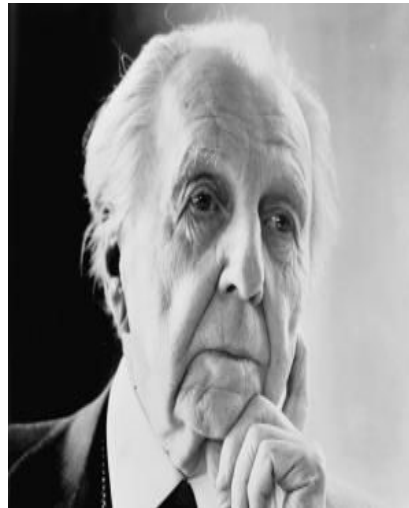
Gaud, was a creative man, he really had a great imagination and was inspired by nature. His buildings are colorful, unusual shapes in different ways and they are simple. Facades of buildings often have sculptural elements, shapes of arches and curved designs with idol-shaped and decorative surfaces that created many buildings in the center of Barcelona. His work was so special that it reliably evoked the level of excellent Spanish and European sense of taste. He was one of the most important modern engineers also.

Casa Batllo is considered one of his masterpieces. However Gaudi's structure in Barcelona which is called, La Padrera or Casa Mila in Barcelona was inscribed on the UNESCO World Heritage List in 1984. Gaudi made self – confession that artists, do not need, memento to be made for them, because their works are their relics. Many works, from beautifully decorated houses

and apartments to the amazing church from Anthony Gaudi is left. One of the best and the largest Gaudi's effect is famous

Church Sagrada Familia in Barcelona. He began working on it in 1882, at the age of thirty, and worked on it for more than forty years, before he passed away. The construction work is still going on. He was a Spanish genius architect and the leader of the Spanish modernist movement.

Frank Lloyd Wright



Frank Lloyd Wright, was an American architect in Large-scale, artist, creative, skilled theorist, master writer, and mastermind, born June 8, 1867, Wisconsin, United States - April 9, 1959, Arizona, United States

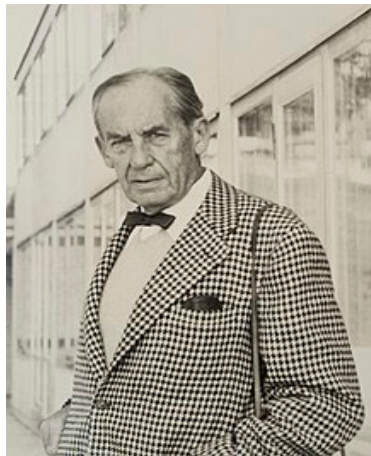
Frank Lloyd Wright, architect and interior designer, was born in 1867 in Wisconsin, USA. After graduating with a degree in construction, his independent artistic activities began in 1893.

Frank Lloyd Wright developed a unique American style of architecture, and over the next few years designed several residential and public buildings, known as the Plains. , Because these houses are often on the outskirts of Chicago, these areas were designed and built by incorporating and coordinating with the flat and green plains. Plain comprised of houses has low-rise buildings and roofs with less slope and there were ridges and terraces, these houses were designed with an open plan, with long, low windows that connected the interior with nature, which was in fact a unique architectural style. Frank Lloyd Wright was commissioned by the Emperor of Japan in 1915 to design the Imperial Hotel in Tokyo. It took seven years to complete the project. The hotel building was the only large building survived the great Kanto earthquake of 1923 and made him proud. Forsooth, one of the pioneers of modern architectural style is the great and famous American architect Frank Lloyd Wright. Waterfall House is one of his artistic and lasting creations in the years 1936-1939 and it is a unique and modern example that quickly became famous to people

all over the world. Majority agree that Wright was a broad minded artist, he was a creative, skilled theorist, and a master writer. He was a talented teacher and taught many students and played a valuable role in the twentieth century architectural movement. Guggenheim Museum-New York is a beautiful effect and the last remembrance Frank Lloyd Wright.

He received awards and gold medals from the Royal Institute of British Architects (RIBA) and the American Institute of Architects in 1941 and 1949. In 1953 he received the Frank P. Brown Medal from the Franklin Institute. Recognizing Frank Lloyd Wright's architecture as a UNESCO World Heritage Site, his designs have been praised not only in the United States but also in other parts of the world. Frank Lloyd Wright died in 1959 at the age of 91 and was buried in Marikopa, Arizona, USA.

Walter Gropius



Walter Adolph Gropius, was a German American architect in Large-scale, May 18, 1883, Berlin, Germany – July 5, 1969, Boston, Massachusetts, United States

Architect Walter Gropius, his nickname (Walter Adolf Gropius). From 1903 to 1905 he studied architecture at the Technical University of Munich in Germany

and then continued his studies until 1907 in Charlottenburg – Berlin, and in the same year he began working as First Vice-Chancellor at the Peter Behrens Studio.

He left Behrens in 1910 and worked in Berlin with another colleague, Adolf Meyer, until 1923, when he later established his own architectural office.

Walter Adolph Gropius is one of the pioneers and masters of modernism and a great artist who founded the Bauhaus School of Art in 1919 in the ancient, historical and cultural city of Weimar-Germany, located almost in the center of this ancient land. He was also the director of this school of art in 1933. This school of art was taught to students in such a way that in the field of design, their needs were considered separately and their designs had to be in line with the requirements

of the industrial community. Students were also advised to avoid the luxuries of building facades and do not follow predecessors, although they use very little decoration. The Bauhaus School of Art has been referred to as the Bauhaus-Universität since 1996 in Germany.

In 1937, Walter Gropius accepted an offer to work as a professor at Harvard University, the famous American university near Boston, where he began to modernize and reorganize the training of architects. During his lifetime in the United States, Walter Gropius designed many structures, including the JF Kennedy Federal Office building in Boston, the state of Massachusetts is in the United States.

In 1945 he founded Architectural Company, The Architects Collaborative (TAC) in Cambridge, Massachusetts - USA.

Walter Gropius was a progressive architect who opposed individualism. He sought the cooperation of both his professions and like-minded people. In particular, he created his later works in a working group after 1946. In 1951 he received a number of awards and doctorates around the world and ten years later he participated in the exhibition "The Four Great Masters"

Ludwig Mies van der Rohe



Ludwig Mies van der Rohe was a German American architect. March 27, 1886, Aachen, Germany - August 17, 1969, Chicago, Illinois, United States

Ludwig Mies van der Rohe, was born on March 27, 1886, in Aachen, Germany. He was a German architect. His work after the First World War was significantly influenced by personalities such as Walter Gropius and the functionalist Le Corbusier. His popularity spread after World War II. He brought about dramatic changes in the art of modern architecture. From 1930 to 1933 he was the last principal of the Bauhaus School of Art. Prior to that, Walter Gropius was the director of the Bauhaus. Mies Van in Rohe like other avant-garde architects, he

based his mission and principles of architecture on the ideas and interpretations of theorists and critics who sought to downplay the importance of traditional styles.

Author's Note: "avant-garde" is a French word it means leading and forehand, often the founders of new movements, are also called "avant-garde", for example, the movement of modernism and so on.

Mies has devoted his entire life to a challenging task: to create a new architectural language that could represent a new era of technology and production.

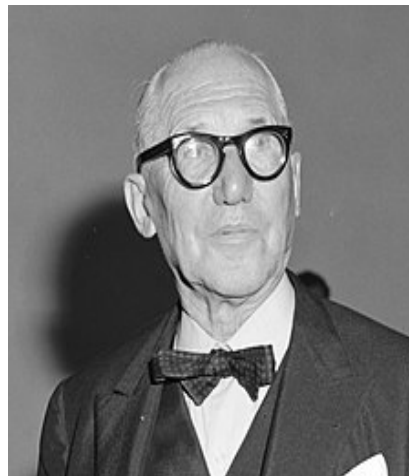
Mies continued with pioneering projects, culminating in his masterpieces in Europe, the construction of a temporary German pavilion for the International Exhibition in Barcelona in 1929.

Disgusted and upset by the situation in Germany, he left his homeland in 1937, albeit reluctantly, and immigrated to the United States.

Mies, along with several Bauhaus architects who moved to Chicago, established the new Bauhaus University there and continued to educate young students. He was elected the new chairman of the Bauhaus. Later renamed the Illinois Institute of Technology (IIT), in 1956, the professor and modernist architect designed the new building of the Illinois Institute of Technology (IIT) in Chicago. Along with Le Corbusier, Alvar Alt, and Frank Lloyd Wright, he is generally considered one of the pioneers of modern architecture.

In the remaining 30 years of his life, his American works are characterized by a constructive and clean approach to achieving the new architecture of the twentieth century. In buildings, he emphasized the use of large glass and industrial steel that fills open spaces.

Le Corbusier



Le Corbusier, real name Charles-Édouard Jeanneret, Oct. 6, 1887, Switzerland – Aug. 27, 1965 France

Le Corbusier "Real name (Charles-oudouard Jeanneret) was born on October 6, 1887 in Switzerland and died on August 27, 1965 at the age of 77 in France. He was originally a Swiss engineer, urban planner, theorist and painter. With his radicalism and artistic sense, he had a significant impact on the development of modern architecture and is one of the

pioneers of modern architecture. In my opinion, the insight of his works of art obliges us to express such a fact. At first he studied engraving in art school, but his teacher turned his attention to architecture, in 1917 he went to Paris, where he met the painter (Amédée Ozenfanta), and in 1920, with his help, chose the nickname Le Corbusier. In 1927, Le Corbusier was invited by Ludwig Mies Van Der Rohe to attend the Weisenhof Colony in Stuttgart, where he built two houses and published the famous book Five Points of Modern Architecture (Functionalism).

These five proclamations practically summarized the original technology charter of the time.

Le Corbusier - Five points of modern architecture are:

1. Columns: The ground floor becomes an open space for circulation, dark and damp rooms are removed,
2. Roof terrace: which means leaving aside the traditional sloping roof, the roof top terrace can be used as a solarium, sports area swimming pool or playground and building gardens on the roof.
3. Free plan: Concrete columns carry the weight of all floors, which allows free space to be divided by non-load-bearing partitions.
4. Ribobn windows: The columnar system allows long horizontal windows to continue.
5. Free facade: pillar set back from the façades, cantilevered floor, release the design for a completely unrestricted solution of windows, thin lightweight walls are placed independent of the structure.

Le Corbusier was an extraordinary architect who had a great impact on architecture around the world. Major figures in modern world architecture such as Oscar Niemeyer, Lúcio Costa and Junzo Sakakura came out of his studio. Many of his ideas and principles were generalized only after his death. Le Corbusier lived a very humble life.

A total of 17 construction projects, designed by the French-Swiss architect Le Corbusier, are included in the UNESCO World Heritage List. One of the best examples of Le Corbusier work is Notre- Dame du Haut, Roman Catholic chapel in Ronchamp, France, 1955. For more information, please read by the author under the title, (History of Architectural Building Styles in Europe - SAE eNewsletter - January 2021). The author of this article, acknowledge that the famous Canadian architect Moshe Safdie in his design of Marina Bay Sands Resort in Singapore has taken advantage of the five points of "Le Corbusier" and created a large garden on the roof of the building, to see that magnificent building please read the article, under the title, (History of Architectural Building Styles in Europe - SAE eNewsletter - January 2021).

A Success Story

Dr. Bahawodin Baha, Professor at Brighton University of England- shared the following success story of a fellow Afghan student that he mentored

Dear Friends, salaamona,

I hope you are all well. I wanted to share the success story of one of my ex-students Afghan at University of Brighton. I have created the only partnership between University of Brighton (UoB) in the UK and Kabul Polytechnic University (KPU) in 2008. Twelve junior lecturers from KPU were invited to the UoB for three years and almost all of them were able to finish their master's degrees successfully and then returned to KPU.

One of those graduates was Dr. Zakerai Shnizai who subsequently completed his PhD in Japan and then continued his teaching and research at KPU until recently. I was delighted to hear that he has been successful to secure a place at the department of Earth Science at prestigious and world well know university of Oxford in the UK. He is a post-doctoral research fellow at Oxford University now. His research includes field investigation, active faults studies, remote sensing, and quaternary dating methods to establish the distribution, geometry and slip rate of active faults in Afghanistan.

Well done Dr Shnizai, I admire your courage, determination, hard work and more importantly constructive attitude all the times. I am very proud of you, and I wish you further success and I hope your success will inspire our youngsters to work

Dr. Bahawodin Baha,

Professor at Brighton University of England

Hafizullah Wardak, Based on His Exemplified Leadership and Achievements in Occupation, is Recognized as Honored Member of Stratmore's Who's Who Worldwide

STRATHMORE'S WHO'S WHO WORLDWIDE



Hafizullah Wardak

Washington, USA



Title: Technical Fellow (Engineering), Retired

Company Name: Boeing

Industry: Aerospace

Type of Organization: Manufacturing

Major Product/Service: Designs, manufactures, and sells airplanes, rotorcraft, rockets, satellites, telecommunications equipment, and missiles worldwide

Expertise: Technical leader for the airplane structural and damage tolerance analysis, and for the international space station in fracture mechanics and structural analysis at Boeing; Technical leader for the structural analysis of the space shuttle rocket booster with United Technology; Responsible for structural analysis of the nuclear power plants with Sargent & Lundy; Former professor of civil engineering at Kabul University

Geographic Area of Distribution: International

Affiliations: Society of Afghan Engineering; American Society of Civil Engineering

University/Degree: M.S., Case Western Reserve University

Born: Afghanistan

Hobbies/Sports: Reading about history, aerospace, technical information and current events

Email: hwardak@comcast.net

Engineer of the Month

Congratulation to Gul A Saleh, member of the Board of Director of the Society of Afghan Engineer.

Dr. Saleh has been recognized by the Virginia Section of ASCE, as Centennial Engineer of the month. The Society of Afghan Engineer congratulate this recognition to Dr Saleh.

[Story from ASCE Virginia Site:](#)

Centennial Engineer of Month

The Virginia Section Centennial in 2022, the Section is selecting Outstanding Volunteers and Prominent Engineers throughout the Commonwealth to showcase as Engineers of the Month. These are a diverse group of Virginia Section members, that exemplify the qualities of a civil engineer, excellence in their careers, leaders in the profession, and are active in communities. Enjoy learning about our Centennial Engineers each month.

July 2022 – Gul A Saleh, PhD, PMP, M. ASCE

Mr. Gul Afghan Saleh has been a key member of the American Society of Civil Engineers (ASCE) for over eight years. He is a civil engineer with a Ph.D. in Urban Planning and Design, a certified Project Management Professional (PMP), and has over 35 years of professional experience. Dr. Saleh has worked and/or studied in many countries, including Japan, Egypt, Thailand, India, Germany, Pakistan, and many more.

Much of Dr. Saleh’s work has been in Afghanistan, however, where he was born and raised, and the United States, where he currently resides. Prior to moving to the States with his family in 2014, Dr. Saleh worked directly with the United States Agency for International Development (USAID) for eleven years, the United Nations World Food Program (WFP) and United Nations Office on Drugs and Crime (UNODC) for five years, the Afghan NGO Pamir Reconstruction Bureau for another five years, and the Afghan government for ten years. He joined the UNITAR’s Hiroshima Fellowship for Afghanistan Program (UNITAR AF) as a Fellow in 2007 and climbed his way up to becoming a Mentor in 2013, helping his fellow Fellows from Iraq and Afghanistan. During these decades, he worked under many titles and with many organizations as he designed, developed, managed, and was consulted on countless engineering and environmental projects, with fundings up to \$300M, including much philanthropic work and providing humanitarian aid.

In the States, he has kept himself busy with a Business Development Advisor role for Sheladia Associates, Inc. and as a Special Inspector of Intertek-PSI covering the DMV area. Dr. Saleh hasn’t forgotten his



Dr. Gul Afghan Saleh while inspecting the expansion joint of Bridge 683 on the I-66 project in Virginia

motherland, however, and recently worked with the Spanish company ACCIONA Engineering as a PMP in developing a Country Environment Profile for Afghanistan.

He also continues his philanthropic and volunteer work and is currently not only a member of the ASCE, but also a Founding and Board Member of the Afghanistan Engineers' Association (AEA). He is also an Executive Director for the Society of Afghan Engineers (SAE), a US based organization, and continues to serve as a volunteer UN-certified Trainer and Mentor for UNITAR AF to this day.

Dr. Saleh continues his professional and personal endeavors as a Civil Engineer and as an Afghan tirelessly. He currently works as an Inspector for Gannett Fleming, Inc., but is always down for a chat with young civil engineers in his free time, as he loves nothing more than giving back to this community. He resides in Virginia with his wife and seven children, many of whom complain he loves giving back a little too much.

MEMBERSHIP NEWS

SAE is pleased to announce that many professional engineers and architects in the United States, Canada and Afghanistan have shown their interests becoming SAE team members since January 2021. SAE has received most of new members' membership applications and fees as required by the SAE bylaw. We welcome everybody and looking forward working together in future projects by providing professional services to Afghan Government and agencies. We publish new members' names and their short biography in each SAE quarterly eNewsletter as provided the information.

We welcome our newest high qualify members and look forward to their contribution to the purpose and mission of the Society of Afghan Engineers as set forth in the bylaw of the society.

SAE New Members

SAE New Members July, 2022

Mr. Wais Aria has more than 14 years of experience in water resource engineering and hydropower projects planning and design, including spillway design, flood frequency analysis, surface water modeling, water profile analysis, scour analysis, and hydraulic structure design. His areas of specialization include hydrologic and, hydraulic modeling, GIS, planning & design, and project management. Mr. Aria was involved in numerous hydropower and tailing Dam projects designs and planning in The USA, Australia, Brazil and Afghanistan, The efforts, ranging from preliminary studies, feasibility studies, detailed design and closure design. His experience also includes technical reviews, supervision, and management of engineering projects.



Mr. Aria has led numerous hydrological and Hydraulic (H&H) analyses for different types of hydropower and tailing Dam Projects. The efforts include water availability, flood frequency analysis, erosion, and sediment transport, and simulate rainfall and runoff flow to predicate floodplain areas. He used numerical models to evaluate dam break analysis, floodplain studies, water profiles analysis of spillways, hydraulic structures performance analysis, alternative analysis and sensitivity analysis. He has used numerous tools for H&H studies including HEC-RAS, HEC-HMS, Flo-2D, Riverflow-2D, HydroCAD, ArcMap, SpillwayPro, and other hydrologic and hydraulic software.

Current Position,

Senior Project Manager
Civil & Environmental Consultants Inc.
700 Cherrington Pkwy, Moon Twp, PA 15108

Education:

- Master in Natural Resources (Leadership for Sustainable Development), Virginia Polytechnic State University, December 2018,
- Graduate Certificate in Global Sustainability, Virginia Polytechnic State University, December 2018,
- Master of Water Science and Engineering (MS), Engineering, April 2011 UNESCO-IHE, Delft, Netherlands
- BSc Civil Engineering, Dec 2007, Kabul University, Kabul, Afghanistan

Contact Information:

Email: wais7676@gmail.com

Society of Afghan Engineers (SAE) Membership Fees-2022 (USD)

Active Members

Sl. No.	Last Name	First Name	2021			2022			2023		
			Membership	Donation	Total	Membership	Donation	Total	Membership	Donation	Total
1	Rossi	Steve	60	200	260	60	440	500	60	200	260
2	Roshan	Tooba	60	0	60	60	440	500			0
3	Yamayee	Zia	60	200	260	60	200	260			0
4	Azadzoi	Najim	60	140	200	60	140	200			0
5	Mujtaba	Ghulam	60	140	200	60	140	200			0
6	Masumi	Jalal	60	40	100	60	130	190	60	0	60
7	Corcoran	Edward	60	0	60	60	92.75	152.75			0
8	Afshar	Reza M.	60	40	100	60	90	150			0
9	Baha	Zarjan	120	0	120	60	60	120			0
10	Kazimee	Bashir	60	40	100	60	40	100			0
11	Mommandi	Amanullah	60	0	60	60	40	100			0
12	Samizay	Mahmoud	60	40	100	60	40	100			0
13	Atayee	Tamim	60	0	60	60	40	100			0
14	Hossainy	Said Sharif	60	40	100	60	40	100			0
15	Mujtaba	Bahaudin	60	40	100	60	40	100			0
16	Saleh	Gul Afghan	60	40	100	60	40	100			0
17	Zaca	Zabiullah	60	40	100	60	40	100			0
18	Amiri	Donya	0	0	0	60	40	100			0
19	Baluch	Hashem	60	0	60	60	0	60	60	0	60
20	Hassani	Abdul Waheed	60	0	60	60	0	60			0
21	Khalid	Manan	60	40	100	60	0	60			0
22	Mahmood	Amin	60	40	100	60	0	60			0
23	Panjshiri	Atiq	60	0	60	60	0	60			0
24	Rakin	Hadi	60	0	60	60	0	60			0
25	Sidiqi	Nadir	60	0	60	60	0	60			0
26	Wardak	Hafizullah	60	0	60	60	0	60	60	0	60
27	Wardak Hassan	Wazma	60	0	60	60	0	60			0
28	Abdulrahimzai	Mushtaq	0	0	0	60	0	60			0
29	Keshawarz	Saleh	60	0	60	60	0	60			0
30	Sabet	Mehdi	60	0	60	60	0	60			0
31	Ibrahim	M. Hamayon	60	0	60	60	0	60			0
32	Ahmady	Ahmad Jawid	0	0	0	60	0	60			0
33	Sarfraz	Zabiullah	0	0	0	60	0	60			0
34	Samizay	Rafi	0	0	0	60	0	60			0
35	Babacarkhial	Abdul Nazeer	0	0	0			0			0
36	Ebadi	Yar M.	60	40	100			0			0
37	Ghani	Aziz	60	140	200			0			0
38	Ludin	Rafat	60	90	150			0			0
39	Noorzad	Abdullah	60	0	60			0			0
40	Paya	Najib M.	60	200	260			0			0
41	Rayek	Hashim	0	0	0			0			0
42	Sattari	Masood	0	0	0			0			0

Sl. No.	Last Name	First Name	2021			2022			2023		
			Membership	Donation	Total	Membership	Donation	Total	Membership	Donation	Total
43	Shekib	Sohaila	60	0	60			0			0
44	Shirzay	Ahmad Wali	0	0	0			0			0
45	Abdullah	Ehsan	60	0	60			0			0
46	Afghan	Fazel Ahmad	60	0	60			0			0
47	Baidariwal	Fazal	0	0	0			0			0
48	Goethert	Reinhard	0	0	0			0			0
49	Levrat	Fred	0	0	0			0			0
50	Mehrzaei	Jan	60	0	60			0			0
51	Miller	Hamida	60	0	60			0			0
52	Naimi	Qaseem	60	40	100			0			0
53	Omarzad	Mustafa	60	0	60			0			0
54	Qadir	Abdullah	0	0	0			0			0
55	Taraky	Yar Mohammad	60	40	100			0			0
56	Abdul Qayum	Abdul Rauf	60	0	60			0			0
57	Zahori	Sayed	0	0	0			0			0
58	Farooqi	Najib M.	60	140	200			0			0
59	Durnai	Ahmad Shah	0	0	0			0			0
60	Baha	Abraham	60	60	120			0			0
61	Hassan	Islamudin						0			0
			\$4,270			\$4,133			\$440		

SAE Members In Afghanistan (exempt from membership payment)

1	Zhakfar	Zabihullah									
2	Kamran	Matiullah									
3	Momand	Mohammad Ishaq									
4	Momand	Mohammad Fazil									
5	Zahid	Hasibullah									
6	Saberi	Safi									
7	Asim	Arif									
8	Naimi	Kazim									
9	Hmadard	Sahar									
10	Howaida	Ahmad Walid									
11	Maihan	Regina									
12	Alizoi	Mohammad Azim									
13	Hussaini	Muzhda Sahadat									
14	Sattari	Mashhood									
15	Qadery	Qadria Shewa									
16	Nazarian	Tayebeh									
17	Ezzat	Abdul Mobin									

SAE New Members

No	2021 New Members		Membership	Donation	Total
1	Abdullah	Ehsan	60		60
2	Afghan	Fazel Ahmad	60		60
3	Atayee	Tamim	60		60
4	Baidariwal	Fazal	0		0
5	Goethert	Reinhard	0		0
6	Levrat	Fred	0		0
7	Mehrzai	Jan	60		60
8	Miller	Hamida	60		60
9	Naimi	Qaseem	60	40	100
10	Omarzad	Mustafa	60		60
11	Qadir	Abdullah	0		0
12	Roshan	Tooba	60		60
13	Taraky	Yar Mohammad	60	40	100
14	Abdul Qayum	Abdul Rauf	60	0	60
15	Zahori	Sayed			0
16	Farooqi	Najib M.	60	140	200
17	Durnai	Ahmad Shah			0
18	Wardak Hassan	Wazma	120 (2021 and 2022)		120
19	Baha	Abraham	60	60	120
20	Corcoran	Edward	60	0	60
21	Sabet	Mehdi	60	0	60
			660	220	1120
Grand Total			\$2,520.0	\$1,770	\$4,530

SAE New Members (Residing in Afghanistan and Turkey)

No	2021 New Members		Residence	Donation	Total
1	Zhakfar	Zabihullah	Afghanistan		
2	Kamran	Matiullah	Afghanistan		
3	Momand	Mohammad Ishaq	Afghanistan		
4	Momand	Mohammad Fazil	Afghanistan		

No	2021 New Members		Residence	Donation	Total
5	Zahid	Hasibullah	Afghanistan		
6	Saberi	Safi	Afghanistan		
7	Asim	Arif	Afghanistan		
8	Naimi	Kazim	Afghanistan		
9	Hmadard	Sahar	Afghanistan		
10	Howaida	Ahmad Walid	Afghanistan		
11	Maihan	Regina	Afghanistan		
12	Alizoi	Mohammad Azim	Afghanistan		
13	Hussaini	Muzhda Sahadat	Turkey		
14	Sattari	Mashhood	Turkey		
15	Qadery	Qadria Shewa	Afghanistan		
16	Nazarian	Tayebeh	Afghanistan		

Members Can Send Their Fees And Donations To The Following Account

SAE Bank Account Information:

Account Name: **Society of Afghan Engineers**
 Bank Name: **BB&T**
 Routing # **051404260**
 Account # **0005139262982**

Bank Address:
 7915 HENESKA LOOP
 ALEXANDRIA, VA 22315-0000 USA

SAE New Mailing Address

The SAE president, Najim Azadzoi, and the Afghan Academy President Mr. Hassan Shirdle, met in Virginia on January 7, 2021, to discuss the possibility of future activities between the two non-profit organizations. As part of mutual relationships, the Afghan Academy provides an office for SAE and sharing the mail address.

As of June 1, 2021, the Society of Afghan Engineers will have a new physical address. The new SAE address is:

The Society of Afghan Engineers
P.O. Box 151584, Alexandria, VA 22315, USA.

Please make changes to the address of the SAE in all correspondences including by not limited to the SAE Application Forms, Bylaws, and Stationeries.

Feeding, Fueling, Healing: How Knowledge is Enriching for Afghanistan

Dr. M. Nadir Sidiqi Ph.D.

President/Dean of Academics

BioNatural Healing College, Pomona, California

Afghanistan's strategic importance is located between the South and Central Asia; therefore, Afghanistan is the heart of Asia. It is hard to explain in such a brief Afghanistan's sustainability, after more than four decades of conflict, war, recurrent natural disasters, chronic poverty, drought, earthquake, and the COVID-19 pandemic, unfortunately, reports indicated have left 24.4 million heart and mind people in need of humanitarian in 2022 the country. This heart of Asia (Afghanistan) is suffering, and in desperate need of healing through healthy feeding, fueling, and healing the country. The heart and mind of each smart, child, young, or adult Afghan in the country especially smart girls are eagerly seeking peace, knowledge and willing to become a professional in various sciences to improve agriculture, road/building constriction, food security, economy, medicine, health, mental health, and better livelihood of Afghanistan people. To seek knowledge is the right of each human being based on the commandment of the Creator of creations. Almighty God created all human beings from Adam (Father of humanity) and Eve (Mother of humanity). Therefore, the source of creation is the same. Regardless of differences in religion, the fact remains that we are all brothers and sisters in humanity. Humans are endowed with an intellect that enables them to gain knowledge through education. The first revelation of the Quran to the Prophet Muhammad (Peace be upon him) required him to: "Read in the name of the Lord ... Who taught man through the use of pen what he did not know." Quran Surah *al-Alaq*, 96:1, 4 and 5 (An Islamic Perspective on Human Development, Islamic Relief). In conclusion, acquiring knowledge is the remedy for feeding, fueling, and healing every nation around the world, particularly in Afghanistan has a central role in various sciences such as Islamic studies, agriculture, engineering, medicine, computer sciences, technology, economics, laws, pharmacy, biochemistry, nutrition science, and other related sciences will enrich the country toward sustainable, strong, healthy, and happy life along with the collaboration of the world with mutual respect to the Afghan nation.



COMMENTS AND SUGGESTIONS

The Editorial Board of the SAE eNewsletter welcomes comments and suggestions from the respected Society members and readers of the Newsletter. Your comments and responses will be included for information of all readers of the SAE eNewsletter.

Mehdi Sabet

6:25 AM

to Najim, me

Dear Wardak and Azadzoi sahebs,

Thank you for the SAE eNewsletter, very impressive information and presentation.

Though I re-joined the membership recently (was a member 2001/02), and it give me the pleasure of working with other members to continue with some important efforts to help our home country.

I am a bit embarrassed to mention and disappointed to see no mention of my professional efforts, especially on the continuous development of the International Student Competition, and the review of the website with Donya jaan. Though I understand the SAE's reluctance not to include the Architects as formal and equal members in the organization but very concerned about fairness and recognition of members efforts.

Please do not take this as a personal complain but a as a corrective measure to ensure the value of effective members in the future.

Kind regards,

Mehdi Sabet, aia, ncarb
Chair of Design
Associate Professor
Interior Design, CACE
Zayed University
M: +971 50 293 1953
<https://msabet.weebly.com>

Response of the Editorial Board

Hafiz Wardak

9:04 AM (2 minutes ago)

to Manan, Abdul, Mehdi, Najim

Dear Professor, Sabet Sahib

Thank you for your comments, the Editorial Board always welcomes comments and input from our readers.

The announcements from SAE leadership and committee activities published in the July issue that did not mention your contributions and name must include those names at an instant time when the announcements were issued. But I am glad that Azadzoi Sahib did make a clarification about your concern and comment. For the records I am including his response below:

[Najim Azadzoi

7:36 AM (34 minutes ago)

to Mehdi.Sabet@zu.ac.ae, me

Salaam Mehdi Jaan:

Please don't think that way. Absolutely, your contribution and involvement in the Society since your return are admirable and exemplary.

Please note that most of the news and articles published in the July newsletter were written in the course of last 3 months and I am sure you took part in most of the activities particularly in the Bamiyan project and the design of the website.

For example, on page 10 of the newsletter, names of five people are mentioned but your name is not. The reason is this Executive Action No. 13 was written on April 21, 2022, when I assigned five people for the task force of the website design. You join the team later after April 10, when I asked you to help Donya Jaan with Bamiyan project to. When the website is published, we will report accurately who helped designing the website.

The Bamiyan information materials published in the newsletters are mostly written by Kazimee Sahib earlier. I don't think anyone else's name mentioned beside Kazimee Sahib and myself. We have a lot to do ahead of us. The best is yet to come.

**Best
Najim**

Society of Afghan Engineers

Najim Azadzoi, AIA, President

P.O. Box 151584

Alexandria, VA 22315, USA

www.afghanengineers.org

Tel: 617-558-4144, 617-697-7500

End of his response]

What is published in the eNewsletter , news, or technical paper, is considered SAE member's contribution or activities, with no preference for an Architect or Engineer. Sometimes or most of the time the Editorial Board does not get full reports of committee activities to publish on time or none at all. To the Editorial board Architect and engineers are both SAE equal respected members with no preference. I think of you

as a valuable, respected dear Afghan SAE member that we all are proud of your standing in the professional/academic community and your involvement in the SAE activities. I am personally honored to know and work with you on some SAE activities.

I am still waiting to receive the final copy of your technical paper for the next issue.

Thank you again for your input.

Regards

Hafizullah Wardak

Editor-in-Chief SAE eNewsletter

6:29 AM (2 hours ago)

Bahawodin Baha

Dear Ustad muhtram salaamona,

I hope all is well with you and your family, we are doing well. I am grateful for sharing this well prepared document with me, which I will read it with great interest.

I just wanted to share the success story of an Afghan student which I brought to my university in the UK few years ago. The details of his success can be found at the attached document.

Kind regards,

Dr Bahawodin Baha, FHEA, Principal Lecturer, Placement Officer & Level 6 Tutor

School of Architecture, Technology and Engineering, University of Brighton Lewes Road, Moulscroomb , Brighton BN2 4GJ United Kingdom

Tel: +44 (0)1273 642209

Email: b.baha@brighton.ac.uk

Response of the Editorial Board

Mohtarem Doctor Sahib Bahawodin Baha Salam

Cc: Azadzoi, Khalid, Hassani

Thank you for your comment on the July issue of the SAE eNewsletter.

The Editorial Board appreciates your input, especially sharing with SAE members the successful story of an Afghan student that you brought to the University of Brighton a few years ago. Your attached document will be published in the next issue of the eNewsletter.

Thank you again for your input.

Hafizullah Wardak

Editor-in-Chief of the SAE eNewsletter

10:42 AM (34 minutes ago)

Mirwais RAHIMI

7-01-2022

to me

Dear Wardak Sahib,

Hope this mail finds you well,

With a colleague with MIT Phd candidate and a Sasaki.inc based in Boston, we have published a paper about the planning in Afghanistan.

I would like to know how to proceed in publishing this paper through SAE eNewsletter ?

Thank you in advance,

Mirwais

Response of the Editorial Board

9:50 AM (1 hour ago)

Hekmatullah Habibi

7-01-2022

to me

Dear Respected Dr. Sb,

Thanks, for your email and sharing this Newsletter.

As a gentle request, Kabul University, Engineering faculty need ur kind attention to be supported by scholars living abroad.

Regards,

Hekmat Habibi

Asst. Prof. KUEF

Response of the Editorial Board

11:20 AM (1 minute ago)

Hafiz Wardak

to Mirwais

Rahimi Sahib Salam

Thank you for your comment.

You can send your paper to me. Let me know if your paper is published somewhere else and where and when.

I will see if we can publish it in our newsletter.

Regards

Hafizullah Wardak

Editor-in-Chief SAE eNewsletter

11:10 AM (13 minutes ago)

Sharif Hossainy

Dear Ustad Mohtaram Eng., Hafizullah Wardak Editor-In-Chief SAE eNewsletter and Chairman of the Editorial subcommittee. Asallam-o- Alaikom,

I acknowledge receiving your email, regarding the third quarterly issue of the 2022 SAE eNewsletter.

Thanks for publishing my article, I will send the second part to you for printing in fourth quarterly issue.

I'm also wish you and your respected family a happy upcoming Eid-el-Adha.

As you mentioned, our beloved homeland Afghanistan is going through bad days and dear Afghans are facing many problems. This earthquake in Paktia and Khost provinces made the problems of Afghans worse. I also pray to God (SWT) to establish peace and tranquility there soon.

Thank you for your and all Editorial subcommittee kind efforts and volunteering.

Best Regards

Dr. Said Sharif HOSSAINY

E-mail: sharifhossainy@hotmail.com

Tel: + 604 477 1232

iPhone + (778) 840 8280 (WhatsApp)

Response of the Editorial Board

11:28 AM (0 minutes ago)

to Sharif, Najim, Manan, Abdul

Hossainy Sahib Mohtarem Walaikum Salam

On the behalf of the Editorial Board, I thank you for your input on the July 2022 issue of the SAE eNewsletter. Your input is appreciated.

Regards

Hafizullah Wardak

Editor-in-Chief of the SAE eNewsletter

azimee, Bashir A

11:45 AM (13 minutes ago)

07-01-2022

to me

Wardak Saahib, Salaam - The SAE e-newsletter looks great, thank you for your hard work on it and in addition, your intro on technology and wellbeing is inspiring. I am also happy you included my paper in the publication, I was not sure you would get the latest in time. The inclusion of Bamiyan housing competition in the newsletter will certainly attract more interested universities and participants.

Best regards and keep on the good work.

Bashir Kazimee, AIA

Professor Emeritus

Washington State University

SAE: Architecture/Urban Design Division, Chairperson

Response of the Editorial Board

12:06 PM (0 minutes ago)

Hafiz Wardak

7-01-2022

to Najim, Manan, Abdul, Bashir

Kaimee Sahib Mohtarem Salam

On the behalf of the Editorial Board, I thank you for your input on the July 2022 issue of the SAE eNewsletter. Your input is appreciated.

Thank you for the informative technical paper that you provided for the July 2022 issue of the eNewsletter. I am looking forward to having another of your great paper for the next issue. I will talk to you on the phone about that.

With kind regards

Hafizullah Wardak

From: Baha, Zarjon <bahaz@purdue.edu>

Sent: Thursday, August 4, 2022 8:00 AM

To: hwardak@comcast.net

Dear Wardak sahib: Assalamu-alaikum

Thank you for sending me the third issue of the Society of Afghan Engineers eNewsletter of the year 2022.

I consider it as a gift for Eidul-Adha.

I have few comments that I would like to share it with you and the rest of our society members.

- The picture of Salma Dam was a good beginning and the editorial was outstanding to stress the role of Technology and the development of Agriculture sector in the country.
- Azadzoï sahib had an elaborate presentation of valuable activities, including the help for he earthquake victims in the country which all are commendable.
- The comments of the board of directors regarding Engineer, Architecture and technology was a great presentation.
- Design competition for cave dwellers is a great initiative where both Afghan and International students will be challenged to produce good alternatives of housing for that project.
- Kabul City ground water Aquifer recharging is a very important and a very serious issue that the city faces. I recommend that Howaida sahib facilitate the visit of Mommandi sahib to work with the responsible authorities to develop a long rang plan to overcome the water shortage for the city. Before Mommandi sahib trip he can communicate with the relevant authorities and could work further here to develop a workable plan so that his short visit will be productive.

- Kazimi sahib comprehensive coverage of Kabul City history and growth was a very informative presentation. Knowing the history of the city, future planning could be logically implemented to improve the present conditions of the city.

- Hossainy sahib coverage of historical architects was another valuable and informative presentation that I enjoyed reading it.

Prof. Bahawodin Baha presentation of the IET/UK was an interesting coverage and I think this job must be done by the national organization of Afghanistan and SAE could help to achieve the objectives listed by prof. Baha. The SAE can help to develop the framework, so the national organization do not have to go through all the details.

The above statements are an indication that the SAE newsletter is providing a very valuable information for us as well as the professionals in Afghanistan. Thank you and the editorial board for completing the newsletter on time and sharing it with us.

Have a great day

Zarjon

Response of the Editorial Board

Hafiz Wardak

From: hwardak@comcast.net <hwardak@comcast.net>

Sent: Thursday, August 4, 2022 9:09 AM

To: 'Baha, Zarjon' <bahaz@purdue.edu>

Cc: 'Najim Azadzoi' <azadarch@aol.com>; 'manank10@gmail.com' <manank10@gmail.com>; 'awhassani@gmail.com' <awhassani@gmail.com>

Subject: RE: July 2022 Issue of SAE eNewsletter

Mohtarem Baha Sahib Walaikum Salam

Thank you for your constructive feedback /comments on the July issue of SAE eNewsletter. The Editorial Board always appreciate and pays special attention to feedback/comments from the readers. Your feedback is appreciated and will be included in the October issue of eNewsletter.

With regards

Hafizullah Wardak

Editor-in-Chief of the SAE eNewsletter

THE 2022 SAE MEMBERSHIP RENEWAL

Dear Members of the Society:

The Management of the Society of Afghan Engineers (SAE) would like to remind all members that 2022 membership renewal and Annual fee of \$60 are due. Your membership fee collectively would enable us to pay for some basic needed services of the Society such as Website security monitoring, updating, and maintenance. Also, your membership fee would provide SAE's management, the financial means to organize and host events and seminars on relevant technical topics. The membership renewal application is attached to the Newsletter and also can be downloaded from our website at www.afghanengineers.org

Please visit the SAE Face book when you get the opportunity. We appreciate your kind attention to the membership due request.

Sincerely,

Najim M. Azadzo, AIA, President

The Society of Afghan Engineers

SAE eNewsletter Regional Representatives

The positions of the SAE eNewsletter Regional Representatives are open. Please let us know if you are interested to volunteer for one of these positions or if you want to nominate other qualified members to serve in these positions. The representatives will inform the newsletter Editorial Board of any technical news in their regions and contact authors for their contributions in the activities of newsletter. For additional information please send an email to SAE eNewsletter Editorial Board: Hafizullah Wardak, E-Mail: hwardak@comcast.net; A. Wahed Hassani, Email: awhassani@gmail.com; and A. Manan Khalid, E-Mail: manank10@gmail.com;

The attached form includes application for the new members and membership renewal.

The application forms may be viewed at SAE website. The members are requested to take a few minutes of their time to inform the Society by sending their updated contact information.

The completed application/renewal forms may be mailed to:

THE SOCIETY OF AFGHAN ENGINEERS
P.O. Box 151584, Alexandria, VA 22315, USA.

Thanks to those who have updated their membership renewal and have paid their annual membership fees.

Thanks for their generosity.

Thanks to members who have updated their membership renewal and have paid their annual membership fees. Thanks for their generosity.

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For more information and if interested in the above positions please contact Planate Management Group at the address below:

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THE SOCIETY OF AFGHAN ENGINEERS ORGANIZATION

SAE E-Executive Committee Members: **President:** Najim Azadzo **Vice President:** Hamayon Ibrahim,
Treasurer: Mahmoud Samizay, **Secretary:** TBA **Manager:** TBA Note:: TBA is acronym for (to be announced)

SAE Board of Directors-Officers: **Chairman:** A. Manan Khalid, M.S., P.E., LEED AP , **Vice-Chairman:** Jalal Masumi;
Executive Director: Gul Afghan Saleh

Members SAE Board of Directors: Wahed Hassani, Sharif Hossainy, Manan Khalid, Jalal Masumi, Amanullah Mommandi,
Hadi Rakin, Gul Afghan Saleh, Masood Sattari, and Zabi Zaca

SAE Past Presidents: Atiq Panjshiri, Ghulam Mujtaba, Abdul Hadi Rakin, M. Quasem Kadir, Abdul Hadi Rakin, Mohammed Hashim Rayek, Ahmad Wali Shairzay, Sohaila Sanie Shekib, and Malik Mortaza

SAE Chairpersons of Committees/Subcommittees:

- Hafizullah Wardak, Chairman -SAE eNewsletter Subcommittee,
- Wali Shairzay for Chairperson of the Capacity Building and Academic Development Subcommittee.
- Bashir Kazimee for the Chairperson of the Architecture and City Planning Subcommittees.
- Rafaat Ludin for the Chairperson of the SAE/AGA Liaison Subcommittee.
- Amin Mahmood, P.E., Chairperson of the SAE Student Subcommittee.
- Mohammad Jan Mehrzai, Chairperson of SAE Corporation Committee.
- Donya Amiri, Chairperson of the SAE Membership Committee
- Hadi Rakin, Chairperson of the Water Resource Subcommittee.

SAE Local Chapter Coordinators: A. Hamid Layan – Kabul, Afghanistan; M. Qaseem Naimi – Toronto, Canada; Najim Azadzo – Massachusetts, Mohammad Najib Poya - Northern California; TBA - Southern California; A. Manan Khalid – New York and New Jersey, Amanullah Mommandi – Colorado; Atiq Panjshiri – Virginia and Washington DC

SAE eNewsletter Subcommittee: Subcommittee Chairman: Hafizullah Wardak

Members: A. Wahed Hassani, Ph.D.,P.E. ; A. Manan Khalid, M.S., P.E., LEED AP; Abdul Hamid Layan.

SAE eNewsletter Editorial Board: Editor –In –Chief: *Hafizullah Wardak*

Editorial Board Members: A. Wahed Hassani, Ph.D.,P.E. ; A. Manan Khalid, M.S., P.E., LEED AP; and Hafizullah Wardak.

SAE eNewsletter Regional Representatives: Abdul Hamid Layan -Kabul:

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THE SOCIETY OF AFGHAN ENGINEERS MEMBERSHIP APPLICATION

Full Name: _____

Address: _____

Phone: Home: _____ Office: _____

Email: _____

Degree Level: _____ Field of Expertise: _____ Years of Experience: _____

The active members of the Society of Afghan Engineers (SAE): Please mark (X) the appropriate box related to your address and other contact information.

- Yes, the above is a change in address or contact information.
- No, the above address is the same as recorded on the SAE's current membership list

Please mark (X) the appropriate box if you are submitting this application to join as a new member.

- A Regular member: I have at least four (4) years of architectural or engineering education.
- Associate member: I have at least two (2) years of architectural or engineering education

The SAE is a 501(c) (3) non-profit organization.

Amount of Annual 2021 Membership: \$60.00

Donation: -----

Total: -----

Suggestion and comments: _____

Please send your check or money order payable to the Society of Afghan Engineers.

THE SOCIETY OF AFGHAN ENGINEERS
P.O. Box 151584, Alexandria, VA 22315, USA.

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Account # **0005139262982**
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MEMBERSHIP APPLICATION

(SAE Members Living in Afghanistan)

Full Name: _____

Address: _____

Occupation: _____

Place of Work: _____

Phone: Work: _____ WhatsApp: _____

Email: _____

Degree Level: _____ Field of Expertise: _____ Years of Experience: _____

The active members of the Society of Afghan Engineers (SAE): Please mark (X) the appropriate box related to your address and other contact information.

Yes, the above is a change in address or contact information.

No, the above address is the same as recorded on the SAE's current membership list

Please mark (X) the appropriate box if you are submitting this application to join as a new member.

A Regular member: I have at least four (4) years of architectural or engineering education.

Associate member: I have at least two (2) years of architectural or engineering education

The SAE is a 501(c) (3) non-profit organization.

Annual Membership: SAE Members Living inside Afghanistan are exempt of annual membership (**FREE Membership**).

Suggestion and comments:

THE SOCIETY OF AFGHAN ENGINEERS

P.O. Box 151584, Alexandria, VA 22315, USA.

Website: www.afghanengineers.org