

SOCIETY OF AFGHAN ENGINEERS

QUARTERLY
eNEWSLETTER



*CELEBRATING
11 YEARS OF
CONTINUOUS
SUCCESSFUL
PUBLICATION*

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



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CONTENTS

Editor's Note	3
Message From the President of SAE	6
Message from the Chairman of the SAE Board of Directors	8
SAE Fundraising for Needy Families in Afghanistan	9
SAE Representative in Kabul Afghanistan	11
Joint Venture with Planate Management Group	13
Municipal Government and Engineering by M. S Sarwary	14
A Healing Word From The BioNatural Healing College	25
The 2021 General Assembly Meeting	26
Membership News	56
Achievements and Awards	65
Comments and Suggestions	66
Job Opportunities at Planate Management	73
The Society of Afghan Engineers Organization	74
Membership Applications	75,76

Note From the Editor-in-Chief, SAE eNewsletter

Education – Key to Progress, Wellbeing, and Stability, of a Nation

Greetings, happy new year, and welcome to the first issue of the SAE eNewsletter of the year 2022. Our hope is that you had a pleasant, safe, and healthy 2021. On this first day of the year 2022, I would like to share with you an **important topic** in the following few paragraphs.

The *news sources* around the *world*, had ample debates and coverage of **education** during the past year. It is timely to remind readers of the SAE eNewsletter the significance and importance of education and its impact on the wellbeing of a nation.

From the Islamic point of view, based on the two main sources the Quran and Sunnah, education and knowledge are vitally important and highly emphasized for human being. Obtaining knowledge and education and providing **access** of it **to all** is accentuated in Islam. With education and knowledge, one can fulfil obligation and duties to Allah (SWT) and humanity nobly.

Education, in general and in today's terminology, guides and propel citizens of a nation to prosperity, progress, peace, stability, and wellbeing. It leads the populous to establish a well-balanced functioning society, and it becomes a leading force for creating operational

infrastructure that are essential for a healthy and balanced society.

The role of **higher education institutions** is so vital for the survival of a nation that they can be considered and categorized as a **critical infrastructure**.

Years ago, I was enrolled at an “English as a Second Language (ESL)” class at the University of Hawaii. The ESL professor, asked the class: why is the United States of America (USA) the most powerful nation in the world? Few students responded it has a strong military force, few other said it has more money, several other responses along the same line were mentioned. The professor said the correct answer is, USA has the world best **higher educational institutions**. He named MIT, Case Institute of Technology (CIT), Caltech, Stanford, Yale, U Penn, Harvard, NYU, and several other higher educational institutions across the country. These institutions have produced a vastly educated populations that led to the creation of a highly advanced and functional **infrastructure** and made this country the most powerful nation on earth



We witness India, it provides and export technical workforce, especially scientist, engineers, and technologist to the entire world. India's leaders valued and recognized that key to progress and wellbeing is education, thus promoted its youths to attend the best universities of USA and Europe, at the same time built and strengthened its own educational institutions, and infrastructure. China, another example, decades ago it started sending a large number of youths, each year to attend the best schools in USA and Europe. At the same time supported and built their own higher education institutions and infrastructure. We witness the results of their action today.

Singapore, a small nation, with highly educated populations, and well trained and dedicated leadership, have risen to become the best global economies with exemplary developed infrastructure. The quality of life and overall lifestyle of its citizen has reached an impressive level.

In general, a nation with highly educated populace has the most functional and needed infrastructure. I am using the word infrastructure by the definition of dictionary, it covers the basic physical and organizational structures and facilities needed for the operation of a social and economic of society, systems, and services that a country needs to function properly and normally.

A nation with well-planned and maintained infrastructures has the best healthcare system such are hospitals, qualified doctors,
Page | 4

well maintained transportation systems, water supply facilities and their management, energy sources, waste disposal system, well maintained educational systems, excellent communication system, services including law enforcement, emergency services, etc. Most important these nations continuously improve and update their existing educational system.

Nations where higher education or education in general does not get priority, they end up with less educated residents. Lack of proper education holds them back on establishing and building infrastructure, job creations, and overall economic growth, developments, stability, and survival of the nation become a challenge. The leaders struggle to allocate budget to build infrastructure, create jobs and employment for citizen. They cannot improve it's citizen quality of life and end up with infrastructure that is nonfunctional or non-existent.

Without educated cadre of professionals, a sustained and balanced growth of well-functioning infrastructure will not come to existence. It is the professionals in various fields that can plan, operate, and execute, for example transport of people and goods, provide clean drinking water, safe disposal of community waste products, create and develop energy sources and build and sustain medical hospitals and provide health services to the community. Yes, indeed education can also bring peace and prosperity to the world. Let us join hands and make the Society of Afghan Engineers a champion and supporter of education at every level in Afghanistan.

As we step into year 2022 and leave the year 2021 behind, let us raise our hands in Dua to Allah (swt) to bring peace, safety, prosperity, stability, and happiness to everyone in our beloved Afghanistan. We want to see functional **infrastructures coming to existence soon there**. With the publication of this issue, I would like to extend “happy new year” greetings to each one of you and your respected families. Have a safe, healthy, and happy 2022.



Children in a village school in Afghanistan

(Source: free pictures www)

Students in classroom are eager raising their hands to answer question from the teacher.

(Source: free pictures www)

(Editor-in-Chief Note: I attended a school for four years with the above similar condition from 1st to 4th grade in a village of Wardak province)

With Best Regard

Hafizullah Wardak

Editor- in- Chief SAE eNewsletter and Chairman -
SAE eNewsletter Subcommittee

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SAE Society of Afghan Engineers

Message From the President of SAE NO. 5, January 2022

As the year 2021 is behind us, the Society of Afghan Engineers starts the year 2022 with much hope and prospect for peace, prosperity and development in our beloved homeland, Afghanistan. Since our last reports from SAE three months ago, I can assure you that all members of the Society worked as hard as ever toward our common goal of achieving our objectives as prescribed in our Bylaws and to participate in the development of Afghanistan.



The Annual Report of the Society was submitted to the Commonwealth of Virginia, State Corporation Commission, and acknowledgement was received confirming the SAE tax ID, Filing Number, and Work Order Number. Also, the Society's new mailing address and new Officers, Board of Directors and Agent names updated as of October 20, 2021. Also, confirmation received from IRS that the Society of Afghan Engineers was determined to exempt from federal tax under the Internal Revenue Code (IRC) Section 501 (c) (3). Donors can deduct contributions they make to the SAE under IRC Section 170.

SAE is also qualified to receive tax deduction bequests, devises, transfers or gifts under section 2055, 2106 or 2522. SAE was determined to be classified as a public charity under the IRC Section listed above. SAE Bank account information updated and the new SAE bank is Truist in lieu of former BB&T.

SAE Fundraising to help and support the displaced families in Afghanistan was closed on November 30, 2021 and I am pleased to report that we successfully raised \$9,100.80. A team consisting of volunteered SAE members and donors will jointly decide on the nature and distribution of the fund to qualified people before the start of the winter.

On July 16 SAE announced the Annual General Assembly meeting for 2021. As per **SAE Bylaws, Section 9**, Article 9-1, the Society shall hold an annual face-to-face general Membership assembly meeting, video, or teleconference for the transaction of its business. The Board of Directors held a meeting on 06/24/2021 and unanimously agreed upon convening a face-to-face Annual General Assembly Meeting in the month of October in one of the central states. Accordingly, as per this Executive Action No. 4 and as per the requirements of the **Bylaws article 9-1 & 2** noted above, Due to Covid-19 restrictions it was decided to have the General Assembly meeting virtual via Zoom on Saturday October 16, 2021, at 1:00 pm EST. The meeting lasted for two hours and around 62 SAE members participated in this meeting.

SAE membership continued to increase and I am pleased to announce that Mr. Ed Corcoran from Denver, Colorado, Professor. Mehdi Sabet from United Arab Emirates, and Ms. Sahar Mahmood from Kabul Polytechnic University joined the Society.

SAE signed a Memorandum of Understanding (MOU) with Planate Management Group of Alexandria, Virginia on November 8, 2021. Planate Management Group is a Service-Disabled Veteran-Owned Small Business (SDVOSB) headquartered in Alexandria, Virginia, and Orlando, Florida with technical support center in South East Asia and East Africa that provides program management and facilities engineering services worldwide. Planate is a small business provider of planning, design, infrastructure management, technical consulting, engineering, and construction management services in support of the US Department of Defense along with other US federal agencies all over the world. Under this MOU, both parties agreed to work together to identify Afghan engineers, in the USA, Canada, Afghanistan and globally to serve as professional workforce to support PMG's work in various parts of the world.

On October 29, 2021 SAE drafted a letter which was discussed and reviewed by the Board of Directors' meeting and the letter was emailed to Mr. Peter Duffy, USAID Mission Director for Afghanistan in Doha, Qatar. The letter was emailed by Mr. Jeff Grieco, AACA President.

On November 13, 2021, SAE conducted a Zoom meeting at 1:00 pm EST to discuss the proposed Emergency Housing Project designed by Mr. Amin Mahmood, SAE Student Subcommittee Chairperson. The meeting was chaired by Mr. Mahmood and lasted for two hours. Around 20 members attended this meeting and members of the Society who took part in the discussion during this meeting were: Prof. Bashir Kazimee, Prof. Reinhard Goethert of MIT, Prof. Mehdi Sabet from Dubai, UAE; Dr. Yar Tarakay from Canada, Hamayon Ibrahim, Dr. Mahmoud Samizay, and Najim Azadzoi. Mr. Amin Mahmood presented plans and drawing showing the use of steel shipment containers for Emergency Housing project.

On December 4, 2021, SAE conducted its third Zoom meeting at 12:00 pm EST and it lasted for two and half hours. There were four subjects included in the agenda of this meeting: 1) Review of Emergency Housing Project for Displaced Families in Afghanistan; 2) Update Reports on SAE Renewable Energy Pilot Project in Herat, 3) Low-Cost Housing options for Afghanistan, and 4) SAE Fundraising and hiring a SAE representative in Kabul, Afghanistan. Around twenty-five people participated in this meeting from US, Canada, United Arab Emirates, and Afghanistan.

Efforts are underway to establish contacts with our colleagues at universities and professional entities in Afghanistan and to follow up with plans and programs SAE initiated at the beginning of the year 2021.

With Regards,

Najim M. Azadzoi, SAE President

Message From the Chairman, SAE Board of Directors

Dear readers of the SAE eNewsletter,

During the previous quarter, SAE continued to operate according to its mission and to further its vision. The executive committee has been busy with its agenda, and the Board of Directors has been holding meetings to work on issues that may be of help and interest to our impoverished country and people someday. In line with that, following are some of the major items that were brought to the Board. They were discussed in detail and decisions rendered.



1. The Society's General Assembly Meeting was held on October 16. During that meeting, issues were raised, and proposal made by the participants. To attend to those issues and proposals, a Special Meeting of the Board of Directors was held on 12/09/2021. Those proposed items were discussed in detail and specific Board Members were voluntarily assigned to research them further and present their findings in a future meeting.
2. To open discussions with USAID, a letter was drafted by the Executive Committee. After a candid discussion in the Board, the decision to send the letter was deferred to the President.
3. Sending a delegation to Kabul for talks with the new government and to establish a path for future cooperation was discussed. Due to unfavorable condition on the ground, this issue was also postponed to a later date.
4. Review of the edits and revisions to Bylaws has been a major topic of discussion in many of the Board meetings. Sections 1 through 4 were discussed previously and changes were ratified by the Board in the previous meetings. Section 3-3.3 of the Bylaws related to membership and the right to vote was always a continuous item. Considering the issues with membership and past elections, this section was fully revised. It may require a couple of more meetings to review and ratify the rest of the changes to the Bylaws.

This time of the year is festive and full of joy and happiness on the western hemisphere. However, for our people and our country, it will be grim and full of anxiety. Most are not certain of how to make it through the winter. Resources are scarce and money is hard to find. Collections and fundraising sounds good, but it takes time and distribution has been a challenge on the ground. I urge that we start helping the needy in our own circle of acquaintances individually. With that, I wish you and your respectful families a very happy, healthy, and prosperous year ahead.

Stay safe and be well.

Sincerely

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

SAE 2021 Fundraising for the Needy Families in Afghanistan

Decades of war and neglect has created hardship for millions of people in our beloved and war-torn country. With the current developments in Afghanistan, that situation has been amplified. Many families have left their homes in search of safety and in the hope of finding help in larger cities, especially Kabul, Kandahar, Helmand and Herat. We have been heartbroken seeing crying babies and people living in makeshift tents in parks and other open spaces on televisions. As sons and daughters of that country, it is hard to see that and not do something to help.

Seeing all that, the Society of Afghan Engineers (SAE) with the mission of enhancing the professional capacities in the field of architecture and engineering, and vision of helping and participating in the development of Afghanistan, jumped into action to do whatever else that could be done. It started a fundraising campaign on August 12, 2021 and by December 08, has raised a total of \$9,100.80 from its members, their acquaintances, and friends and families.



While we sincerely thank everyone who contributed, we would like to assure them that these funds will be used thoughtfully and effectively. Considering the situation on the ground, and with the winter on the way, these funds will be sent to Afghanistan at an appropriate time in order to be used efficiently and only to the needy families.

On behalf of the Society of Afghan Engineers, we sincerely appreciate contributions made by all members and their friends and families. We understand many of you may have contributed to this cause through other means and channels which is commendable. Below is a list of those who took part in this fundraising

No.	DONATED AS OF 12/09/21	AMOUNT (\$)	COMMENTS
1	Philip Durgin	\$ 200.00	Facebook Donation
2	Jim Olchefsky	\$ 500.00	Facebook Donation
3	Ian Whitney	\$ 50.00	Facebook Donation
4	Najim Azadzo	\$ 500.00	Facebook Donation
5	Ahmad Wali Shairzay	\$ 80.00	Facebook Donation
6	Amina Bahrami	\$ 700.00	Facebook Donation
7	Melanie Nunn	\$ 10.00	Facebook Donation
8	Seven Tran	\$ 10.00	Facebook Donation
9	Wahab Nassery	\$ 65.00	Facebook Donation

A QUARTERLY UPDATE FROM THE SOCIETY OF AFGHAN ENGINEERS

No.	DONATED AS OF 12/09/21	AMOUNT (\$)	COMMENTS
10	Gul Afghan Saleh	\$ 60.00	Facebook Donation
11	Alexandra Carvalho	\$ 100.00	Facebook Donation
12	Wazin Muzhgan	\$ 22.00	Facebook Donation
13	Bill N Cathy Haight	\$ 100.00	Facebook Donation
14	Mehrzay Mohammad Jan	\$ 75.00	Facebook Donation
15	Ghulam Mujtaba	\$ 300.00	Facebook Donation
16	Manan Khalid	\$ 300.00	Facebook Donation
17	Ashraf Azadzoi	\$ 100.00	Facebook Donation
18	Bashir Kazimee	\$ 75.00	Facebook Donation
19	Abraham Baha	\$ 250.00	Facebook Donation
20	Hafiz Wardak	\$ 200.00	Facebook Donation
21	Mohammad Noorzay	\$ 75.00	Facebook Donation
22	Marzia Hessami	\$ 10.00	Facebook Donation
23	Zabi Zaca	\$ 200.00	Facebook Donation
24	Hamayon Ibrahim	\$ 100.00	Facebook Donation
25	Amin Mahmood	\$ 200.00	Check Payment
26	Mahmoud Samizay	\$ 75.00	Facebook Donation
27	Nadir Sidiqi	\$ 200.00	Check Payment
28	Atiq Panjshiri	\$ 200.00	Facebook Donation
29	Mang Tia	\$ 200.00	Facebook Donation
30	Amanullah Mommandi	\$ 200.00	Facebook Donation
31	Jalal Masumi	\$ 195.20	GoMeFund Donation
32	Gul Afghan Saleh	\$ 97.60	GoMeFund Donation
33	Abdul Hassani	\$ 300.00	Check Payment
34	Nader Noori	\$ 500.00	Check Payment
35	Bahaudin G. Mujtaba, Dr. Leslie Tworgoer, and Dr. Ravi Chinta	\$ 1,000.00	Check Payment
36	Tooba Rooshan	\$ 500.00	Check Payment
37	Allen Nassery	\$ 100.00	Check Payment
38	Zarjon Baha	\$ 100.00	Check Payment
39	Mehdi Sabet	\$ 440.00	Wire Transfer
40	Rafi Samizay	\$ 100.00	Check Payment
41	Wazma Wardak Hassan	\$ 500.00	Venmo
42	Yusuf Afrooz	\$ 111.00	To be noted.
TOTAL		\$ 9,100.80	

SAE Executive decided to establish a committee consisting of dedicated members of the Society to properly plan, manage, and oversee the distribution of the fund to qualified and eligible families in Afghanistan. The Committee Members are:

1. Amanullah Mommandi, SAE Board Member
2. Gul Afghan Saleh, SAE Board Member
3. Hadi Rakin, SAE Board Member
4. Amin Mahmood, SAE Student Committee, Chairperson
5. Hafizullah Wardak, SAE Editor-in-Chief
6. Hamayon Ibrahim, SAE Vice President
7. Mahmoud Samizay, SAE Treasurer
8. Rafaat Ludin, SAE/Afghan Government Agencies Liaison Chairperson
9. Masood Sattari, SAE Board Member
10. Habib Rahman Rahmat, former SAE Representative in Afghanistan

It is intended that the Fundraising Committee will commence its work soon and finalize its plan before the end of September and the funds to be distributed to qualified recipients in Afghanistan before the start of the winter.

Sincerely yours,

Najim Azadzoi, SAE President.

SAE REPRESENTATIVE IN KABUL, AFGHANISTAN

SAE Executive Action No. 12, SAE REPRESENTATIVE IN KABUL, AFGHANISTAN

December 15, 2021

I am pleased to announce that the Society of Afghan Engineers successfully completed the selection of hiring a Representative in Kabul, Afghanistan.

We received a total of six (6) applications for the position. A screening committee was formed to review the eight applicants' CVs and qualifications. The screening committee consisted of the following SAE members:

1. Professor Bashir Kazimee (Chairman of the Committee)
2. Prof. Zarjon Baha, PhD
3. Professor Hafiz Wardak
4. Mr. Rafaat Ludin
5. Najm Azadzoi.



After careful reviews of the applicants' resumes and qualifications statements, a short list of three individuals was submitted for final consideration. We found Mr. Walid Howaida's background, experience, education and qualification match closely to the terms of reference and job description of the SAE Representative in Afghanistan.

Terms of service: 3 months, January, February, and March 2022 subject to extension.

Biography of Walid Howaida

Ahmad Walid Howaida, graduated from Civil Engineering Department of the Engineering Faculty of Kabul University in February 1982 and after graduation was employed by the Kabul University as a lecturer, immediately. He taught there till October 1993 with a few years gap because of compulsory military service and closing of engineering faculty by the regime for political reasons.

In October 1993 he left the job because of security issues and joined an Afghan NGO (Cooperation Center for Afghanistan-CCA) till October 1999 as North Regional Manager.

In October 1999 he received a scholarship in management in the UK and after completion of his studies applied for asylum and stayed there till 2006.

In March 2006 he returned to Afghanistan and started working with the ministry of Rural Rehabilitation and Development (MRRD) under UNDP contract as Senior Institutional Advisor till August 2007.

In August 2007 he was employed by the Afghanistan Independent Human Rights Commission as Senior Technical Adviser and worked with them till March 2008.

In March 2008 he was employed as Director of Operation, Maintenance & Reconstruction of the Presidential Palace of Afghanistan till November 2010.

In December 2010 he was employed by an international Canadian company (SNC-Lavalin) as Deputy Team Leader for Survey and Design of 111 small and medium dams till March 2014.

In February 2015 under a short-term UNDP contract, worked with the Governor of Paktika province as Senior Monitoring and Evaluation Adviser till June 2015.

In June 2015 was employed by the ministry of finance as Director of Coordination, Monitoring and Implementation of Development projects of the ministry of finance till February 2016.

From February 2016 started working with the Afghanistan High Security Printing House as Senior Technical Adviser till collapse of Kabul by Taliban in August 2021.

JOINT VENTURE WITH PLANATE MANAGEMENT GROUP



SAE EXECUTIVE REPORT No. 17, December 15, 2021

A JOINT VENTURE AGREEMENT WITH PLANATE MANAGEMENT GROUP (PGM)

A JOINT VENTURE AGREEMENT (JVA) was signed between the Society of Afghan Engineers (SAE) and The Planate Management Group for the purpose a mutual collaboration to identify Afghan engineers in USA, Canada, Afghanistan and globally to serve as professional workforce to support PMG's works in various parts of the world.

GENERAL TERMS OF AGREEMENT:

The Parties will collaborate with each other to identify the needs for engineering professionals and qualify the needs to enable identification of most suitable Afghan engineers to meet PMG's demands. SAE will identify suitable engineers from within the USA and Canada as well as in Afghanistan and globally, who meet the requirements of PMG and after the first level of screening will refer them to PMG for further vetting and potential hire. The Parties understand that there are no direct and stipulated financial obligations for any party in this collaboration but understand that Goodwill shall be shown through voluntary contribution towards the work delivered by SAE to PMG.

Planate Management Group (PMG) is a Service-Disabled Veteran-Owned Small Business (SDVOSB) headquartered in Alexandria, Virginia, and Orlando, Florida USA with a technical support center in South East Asia and East Africa, that provides program management and facilities engineering services worldwide. Planate is a small business provider of planning, design, infrastructure management, technical consulting, engineering, and construction management services in support of the US Department of Defense (DOD) and its Service (Army, Air Force, Navy, Marine Corps) missions, along with other US federal agencies, all over the world.

For details of this JVA, please refer to the original JVA agreement signed between the two parties on November 9, 2021.

Yours,

Najim Azadzo, AIA, SAE President

January 2022 Issue - Technical Paper

Municipal Government and Engineering

By

Mohammed Saber Sarwary P.E.

Introduction

When considering the role government plays in our lives, we tend to focus on the federal and state levels of government. However, our municipal government has a greater impact on our day-to-day lives. A municipality is defined as a city or town that has corporate status and a local government. It is formed around population centers which correspond to geographic designations created by the United States Census Bureau. Municipalities vary in size from millions of residents to only a few thousand and have their own respective governments.

There are certain legal powers that are not within the jurisdiction of the Federal government and are therefore divided between the State and local governments. Most Americans regularly meet their city governments using parks, schools, and libraries. They also use the services provided by the city's fire, police, public works, and community development departments. Those mentioned above are part of the local government's jurisdiction and their responsibility to manage. Each municipality has its own written constitution, codes and ordinances, and these documents are often far more elaborate than their Federal counterparts. Given the vital role the city government plays in our daily lives, the goal of this paper is to best explain the importance of engineering within the framework of this establishment.

City Government

As shown in the table below, the powers of city government are distributed among three separate branches: legislative, executive, and judicial.

Table 1: Local vs Federal/State Government Branches

Branch of Government	Federal- or State-Level Example	City- or Town-Level Example
Legislative Branch	Congress/State Legislature	City Council
Judicial Branch	Supreme Court/District Court	City Attorney
Executive Branch	President/ Governor	City Manager

Together, the three branches form a legal government that is required by law, necessity, and custom to provide governance to a community. The legislative branch is the municipality's governing body, which makes the rules through adoption of ordinances, policies, and procedures that are then implemented by the executive branch. For a city, the legislative governing body is the city council. In general, mayors and other city council members are directly elected by the people. Often, municipal government is organized under two principal forms of government: the **mayor-council** or the **council-manager** systems.

From the two, the **Council-Manager system**, is most widely implemented in the United States.

Council-Manager Municipal Government

The city council members are elected by the citizens of the city and the mayor is chosen from amongst the council on a rotating basis. The council oversees general administration for the city, creating policies, and setting budgets for the organization.

The City council appoints a **City Manager** to carry out day-to-day administrative operations.

A. City Manager

The City Manager is responsible for implementing all of the city council's policy decisions. They provide leadership and direction to department heads and other staff, while working with council to develop action plans to support the city's mission, values, and priorities.

The City Manager appoints and manages the city's department heads such as Chief of Police, Fire Chief, Public Works Services Director, Human Resources Director, Parks & Recreation Director, Finance Director, and **Community Development Services Director**.

B. Community Development Services

The community development services department has three major divisions:

Planning - Building - Engineering

i. Planning Division

The Planning Division provides vision and guidance for the long-range development of the city. This division develops and maintains the city's general plan, conducts special studies, and monitors population and housing growth.

ii. Building Division

Building division enforces the city building code, issues building permits, conducts building inspections, and enforces zoning ordinances.

iii. Engineering Division

For most cities, the city's Charter Act requires the city to have a registered civil engineer as the City Engineer. The City Engineer has the power to appoint as many assistants and other employees as permitted by the city's budget in order to effectively manage and conduct the city's Engineering Division.

C. City Engineer

The City Engineer is responsible for all engineering and construction within the city's jurisdiction. Many of these services affect the citizen's health, well-being and general convenience. The work undertaken by the city engineer includes the design, construction and maintenance of roadways and bridges including curb/gutter and sidewalk, storm drain/flood control system and sea defense works, sanitary sewers and sewage disposal works, domestic and recycled water mains and water distribution works, public buildings, public parks, sports playing fields, parking structures, etc.

The City Engineer is essentially a technical officer. Their job normally entails a considerable amount of out-door work, and they come into contact with all divisions of the community. The City Engineer is generally fortunate to see a job through from inception to completion. The work designed by the City Engineer is almost invariably subject to approval by a committee of the local authority and often by the City Council.

There are a wide variety of duties the City Engineer and Engineering Division are responsible for.

Duties of City's Engineering Division

Following is a brief summary of Engineering Division duties:

- Establish design criteria and engineering standards for the City.
- Establish and implement master plans for domestic and recycled water distribution, sanitary sewer collection, storm water/flood control collection, roadway, curb/gutter and sidewalk for the City.
- Review all building permit applications for compliance with City Standards for water and sanitary sewers, drainage, flood control, and necessary State and Local Permits.
- Review variety of plans for erosion control, parking lots/garages, storm water runoff, and storage, flood hazard zones, utilities, entrance/egress access, pavement, finished floor elevations, ordinance compliance, driveways, grading, traffic and pavement marking plans, and traffic impact studies for all submittals to Planning and Zoning Commission, Wetlands Commission.
- Administer the City's Flood Insurance Program. Review cost of renovations for compliance in regulated areas. Protect floodways from encroachment.
- Advise the City Council on all petitions for public improvements, including street acceptances and design, street abandonment, sidewalks, utility conduits and vaults/chambers, and proposed driveway construction agreements.
- Provide Special Committee Reports to the City Council which involve preparation of legal descriptions for layouts, abandonment, and established grades for City-accepted streets.
- Provide line and grade for curb and sidewalk installation within City-accepted right-of-ways. Reference all monuments prior to destruction by planned new construction, and replace as necessary.

A QUARTERLY UPDATE FROM THE SOCIETY OF AFGHAN ENGINEERS

- Maintain permanent records of and provide information relative to City property including: maps, field data, vertical and horizontal control, street layouts, utility records, established grades, buildings, bridges, parks, landfill and hazardous waste area.
- Provide engineering services to other municipal departments including support to the City Attorney's Office with legal records, easements, property descriptions, right-of-way line surveys, act as expert witness, and provide depositions in claims and court disputes.
- Provide consultation, recommendations and record map information to the general public.
- Review for regulation compliance and approve, as applicable, all maps prior to the public's filing of such in the City Clerk's Office. Update City records with new subdivision map and revisions.
- Assist with GIS Policy and Technical revision as needed.
- Manage and coordinate technical effort with outside consulting engineers who are under agreement with the city for engineering services related to public capital improvement projects. Insuring that consultants and contractors involved conform to approved plans and City Engineering Standards.
- Field investigation of complaints and requests involving storm water, traffic, parking and traffic calming studies.
- Responsible for developing project scope, Request for Proposals (RFPs), cost estimates, budget preparation, obtain grant funding, and managing projects.
- Administering and managing traffic signal/Intelligent Transportation System and roadway improvement projects.
- Modernize the traffic signal and its surveillance system with state of the art technology, to improve the safety and efficiency of vehicular and pedestrian movement in the City.
- Administer and manage Local Bridge Program such as application for grants, consultant selection/interview and design, contractor bids, construction and inspection.
- Develop traffic signal operation Guidelines.
- Responsible for all aspects of traffic engineering functions including but not limited to; traffic control signal system and timing updates, signs and pavement markings, on-street parking, on-street Handicapped parking and school safety zone programs.
- Provide technical support to all City Project managers involved in the Department of Transportation (DOT) and Federal financial related projects. Manages the City, State and Federal government grants for the projects.
- Direct project management and administration of large scale infrastructure from planning through construction.
- Assist various departments with technical oversight and review for various projects throughout the City.
- City Administrator of the Storm Water Management. Enforcing City ordinance for drainage requirements for new construction and substantial improvements within the City.

To see how engineers are involved with municipal engineering and how cities function, **Redwood City, California** will be used as an example with specific data so readers may get a better understanding of this article.

Redwood City, California

The City of Redwood City was incorporated on May 11, 1867. Redwood City is a Charter City and operates under the 'council-manager' form of government, meaning that the City Council appoints the City

Manager, who is then responsible for the day-to-day operations of the City. The seven-member City Council is the governing body elected directly by the residents of Redwood City.

As the legislative branch of the local government, the City Council makes final decisions on all major city matters and sets city-wide priorities and policies. The City Council directs the City Manager to implement these priorities and policies. The City Council adopts ordinances and resolutions necessary for efficient governmental operations, approves the budget, and acts as a board of appeals. The City Council appoints the City Manager and City Attorney, as well as the members of the City's advisory boards, commissions, and committees.

A. Budget & Fund Sources

City governments throughout the United States collect revenue from a variety of sources including taxes (mostly from property tax and sales tax), user charges, license fees, and various other sources.

Funding for capital projects typically derives from many sources, with the Utility Users' Tax (UUT) the primary revenue source utilized for capital improvement projects (The City collects a voter-approved Utilities User Tax (UUT) on gas, electricity, cable and telecommunications services). Most other funding sources are restricted to certain purposes and, in some cases, must be spent within a prescribed period. Dedicated revenue sources include park impact and park in-lieu fee funds, water capital projects and sewer capital project funds that comes from the enterprise fund, transportation grants, traffic mitigation fees fund and Gas Tax revenues

B. Redwood City Engineering

Redwood City's Engineering division consists of three main teams which are **Infrastructure**, **Subdivision/Permit** and **Transportation Planning/Traffic Engineering** teams. Each team has a supervising civil engineer as the team leader with several senior, associate, and assistant civil engineers including inspectors and engineering technicians reporting to them.

The Engineering Division plans, designs, and manages the rehabilitation and enhancement of the city's infrastructure and public facilities. Some of the areas covered are as follows:

1. 155 miles of roadway
2. 8 miles of levees
3. 567 miles of pipelines (water and sewer)
4. 64 pump stations
5. 12 water tanks with a 21-million-gallon storage capacity
6. Over 13 miles of creeks, drainage ditches, and canals

The **Infrastructure** team is responsible to develop and implement water supply system masterplans for the water distribution system that includes reservoirs/tanks, pump stations, and pipelines. The storm drainage/flood control collection system is responsible to develop and implement storm collection system/sea protection system that includes pipes, storm drain pump stations, creeks, channels, and levees.

A QUARTERLY UPDATE FROM THE SOCIETY OF AFGHAN ENGINEERS

The sanitary sewer collection system is responsible for developing and implementing the sanitary sewer masterplan for the sanitary sewer collection system that includes pump stations, pipelines, etc.

The **Subdivision/Permit** team is responsible for all private engineering work within the city and works with the Planning and Building division to make sure all engineering work within the city complies with the city, state and federal codes and regulations.

The **Transportation/Traffic Engineering** team is responsible to develop and implement transportation master plans for roads, bridges, highway overpasses, as well as supporting local and regional transportation networks. They are also responsible for parking facilities for motorized and non-motorized vehicles.

The following are some examples of projects currently underway and managed by Redwood City Engineering.

Transportation/Traffic Project Examples

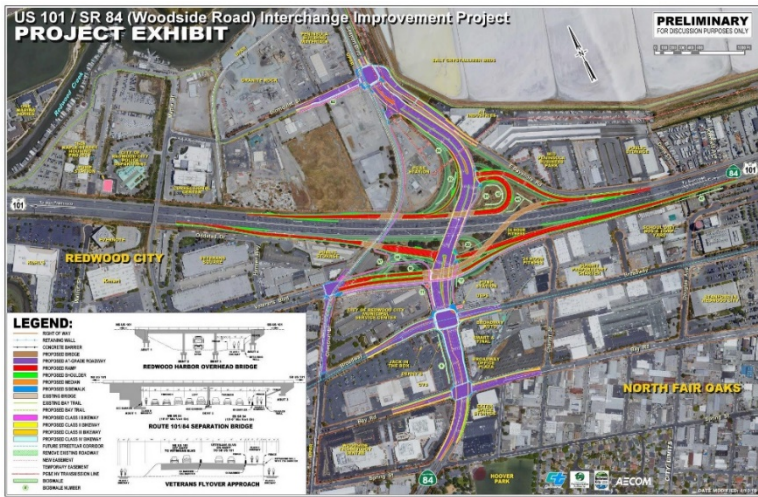


Figure 1: Route 101/84 Interchange

The City of Redwood City, in cooperation with the California Department of Transportation and the San Mateo County Transportation Authority, is proposing to reconstruct the Route 101/84 (Woodside Road) interchange. The purpose of the project is to relieve the existing and future traffic congestion, and to improve traffic safety and vehicular access to and from Route 101 and SR 84 (Woodside Road). The goals include improving highway operations, reducing associated congestion on Redwood City streets, removing barriers to non-motorized travel and minimizing impacts on nearby businesses. The project proposes to modify the on- and off-ramp configuration at the interchange and adjacent local intersections to improve traffic flow, increase safety, provide new pedestrian and bicycle access across Route 101 (which does not presently exist) and provide new and improved sidewalks and bikeways throughout the project area.



Figure 2: U.S. Highway 101 Pedestrian Undercrossing

The U.S. Highway 101 Pedestrian Undercrossing will connect the bike path along Bair Island Road with the bike lanes on Main Street via a new undercrossing beneath the US-101 freeway and adjacent to Redwood Creek. The 14-foot-wide path will maintain nine to ten feet of headroom and include landscaping improvements, drainage, site lighting, two retaining walls, and a scenic overlook



Figure 3: Asphalt Overlay Construction

Pavement preservation including base repairs, mill and fill, installing asphalt concrete overlay, and ancillary work including adjusting utilities to grade, ADA (American Disabilities Act) upgrades, and restoring pavement markers and striping as needed. Various types of pavement projects include grind/overlay, slurry seal, chip seal, full pavement reconstruction, etc.

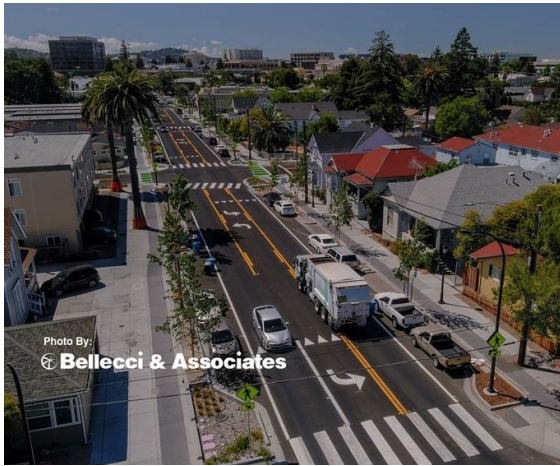


Figure 4: Roadway with Underground Utilities in Redwood City, CA

An example for construction of underground facilities for telecommunication lines & equipment, and removal of overhead telecommunication lines and utility poles. This project will be followed by a Streetscape improvement project which will replace the sidewalks and add accessible curb ramps, crosswalks, protected bicycle lanes, streetlights, and street trees on Middlefield Road between Maple Street and Woodside Road.

Transportation/Traffic (Traffic Calming)



Figure 5: Temporary Roundabout Example in Redwood City, CA

Since 1997, Redwood City has used an administrative guiding policy (previously adopted by City Council) to consider traffic calming requests citywide. Staff began the work to update the policy in 2015 and sought feedback from the Complete Streets Advisory Committee (recently renamed as the Transportation Advisory Committee(TAC) in 2016. On September 12, 2016, City Council adopted the Policy and Guidelines for Residential Traffic Calming (Guidelines). The guidelines describe the minimum amount of vehicle traffic with demonstrated speeding problems to be eligible as a traffic-calming project. Staff ranks identified projects according to certain criteria, a conceptual design is completed as funding becomes

available, and the community is invited to provide input. Once complete, residents have an opportunity to vote on the conceptual design before TAC and City Council consideration. If supported at all steps, the project will proceed to design and then construction, as funding becomes available. Typically, a project may take 2 to 3 years to complete. It is a process with extensive community input and involvement, which contributes to the length of time from initial consideration to completion. It is possible that if their insufficient support for a project, the project will not advance to design and construction stages.

Infrastructure (Water Distribution System)



Figure 6: Construction of Water Tank in Redwood City, CA

Construction of a new 750,000-gallon water tank with pumping station and associated water mains is in progress. The tank and pump station are being constructed on City-owned property. The new water tank would provide required water storage capacity for daily use and firefighting and would provide redundancy within the water supply system for the California pressure zone of the Emerald Lake hills area of the City. Redundancy means that it can serve as an additional water supply for other water pressure zones and services areas in certain situations, such as during maintenance of adjacent water tanks or in emergencies.

The project consists of the following components: excavation, shotcrete soil nail retaining wall, pre-stressed concrete water tank with aggregate piers underneath, new CMU pump station, 3 new vertical turbine pumps, 2 surge tanks, emergency generator, on-site steel piping, HDPE (high-density polyethylene) watermain connecting to above pressure zone(s), landscaping, irrigation, asphalt and concrete improvements.



Figure 7: Underground Piping Project- Replacement of Water Mains

Watermain replacement projects include: 8” PVC watermain, valves, water service lines, water meters, hydrants, excavation and backfill, asphalt restoration and striping.

Infrastructure (Storm Drain Collection System)



Figure 8: Storm Drain Pump System in Redwood City, CA

Rehabilitate and replace the existing storm drain pump stations and storm drainage pipelines. Improvements include installing new larger pipelines, storm drain pump stations with stronger submersible pumps, variable speed drive controls increasing pump efficiency, a standby engine generator, a valve vault, and pipes and other appurtenances. These projects also includes replacing and/or rehabilitating pipes of the wet well surface, a valve vault, motor control center, and storm drain pipelines.

Infrastructure (Sanitary Sewer Collection System)



Figure 9: Sanitary Sewer Pump Station in Redwood City, CA

Similar to the storm drain collection system, this example project consists of improvements to two sanitary sewer pump stations (P.S. No. 18 and P.S. No. 20). The work consists of removing and replacing existing mechanical and electrical structures, rehabilitating, and repairing an existing wet well, installing a temporary by-pass system, submersible pumps, motor control center, and stand by generator; and connecting pump stations to existing force mains.

Conclusion:

A city government is successful once it is able to generate its own revenue from the services it provides to its citizens. In addition, an established constitution and set of ordinances is needed to properly manage the city. Once both the funding and laws are in place, then collaboration amongst different departments can occur to ensure organized and well managed infrastructure, projects, and services are delivered to the people of the city.

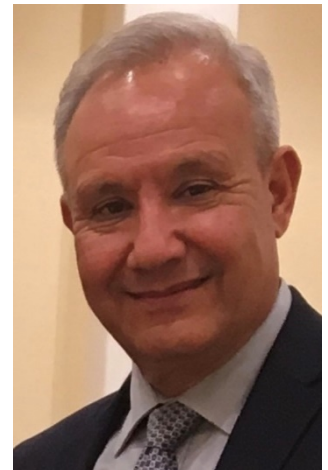
References:

City of Redwood city website

City of Redwood City Budget books

Biography of Engineer Mohammad Saber Sarwary

Mohammad Saber Sarwary is a registered professional civil engineer and serves as the current City Engineer and Engineering Division Manager at the City of Redwood City in California. He graduated from Kabul University in 1980 with a Bachelor of Science Degree in Civil Engineering and continued his studies receiving a Post Graduate Diploma in Soil Mechanics & Foundation Engineering from the Indian Institute of Technology (IIT) in New Delhi, India. In addition to his professional work, Mohammad has served two terms on the Board of Directors for the Society of Afghan Engineers (SAE) and hopes to continue with the efforts to serve the Afghan community locally and abroad. Mohammad currently resides in the Bay Area with his wife and three children.



A Healing Word From The BioNatural Healing College

The health of humanity has faced many challenges in the past two years. Mask mandates, global vaccination programs, community lockdowns, health and socially complex issues caused by COVID-19 have increased uncertainty and anxiety. Looking ahead, BioNatural immunity has emerged as an important factor for a healthy body and human society as a whole.

Indeed, food, nutrition, and healing are front-and-center in the media and on the minds of everyone around the world. Our bodies are blessed with an immune system to protect themselves against pathogens (harmful bacteria, viruses, fungi, etc.), that cause disease. A healthy diet and a healthy lifestyle is the natural remedy to boost the immune system. On behalf of BioNatural Healing College (BNHC Online), we wish you all a productive, cooperative, creative and collaborative 2022. Almighty Allah blesses you all and our beloved native country Afghanistan.

Best regards,

Dr. Nadir Sidiqi Ph.D.

President/Dean of Academics

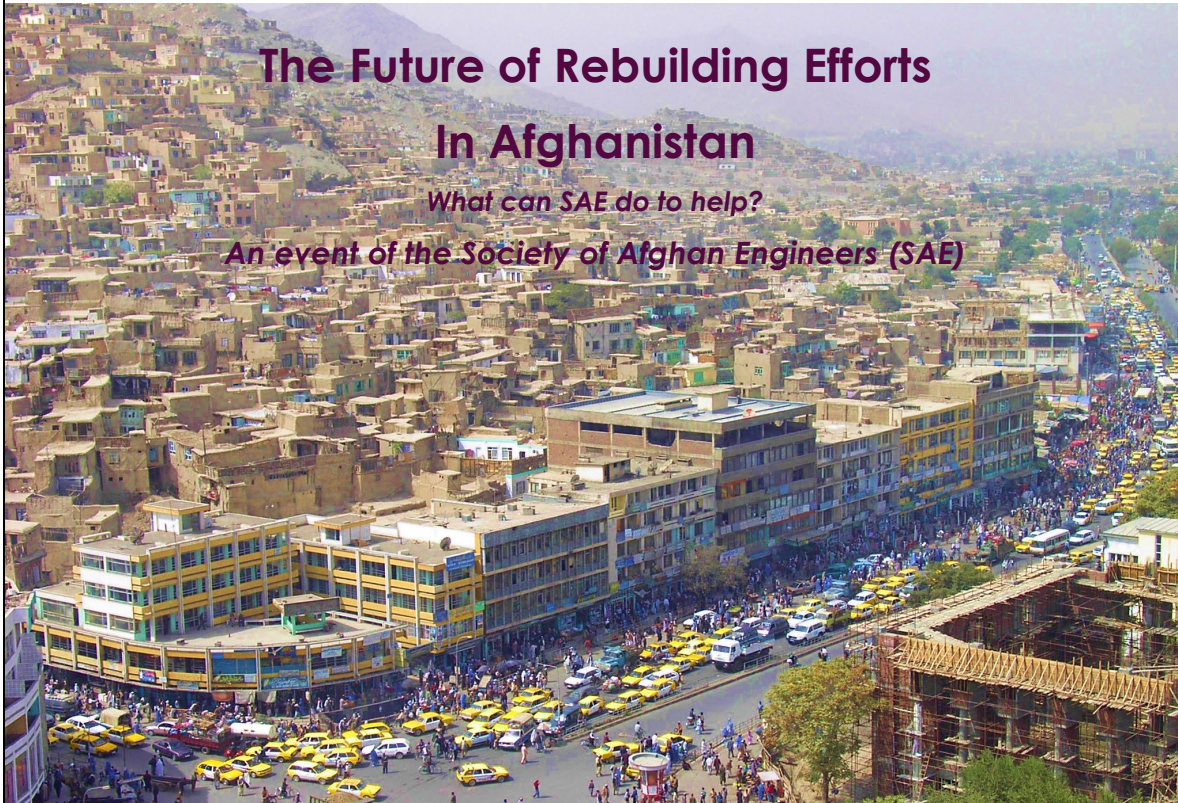
BioNatural Healing College (BNHC)

<http://www.bionaturalhealingcollege.org>

Ph: (909) 242-6342

dr.sidiqi@bionaturalhealingcollege.org

The 2021 SAE General Assembly Meeting :



The Future of Rebuilding Efforts In Afghanistan What can SAE do to help? An event of the Society of Afghan Engineers (SAE)

2021 SAE GENERAL ASSEMBLY MEETING

OVERVIEW OF THE ASSEMBLY

- Welcome Remarks, Najim Azadzo, AIA, President
- Keynote Speaker: Prof. Zarjon Baha PhD., Purdue University
- Guest Speaker: Jeffery Grieco, AACC President
- Message of the Board of Directors: Manan Khalid
- SAE Financial Report: Dr. Mahmoud Samizay, Treasurer
- Some Reflection and Hope: Prof. Reinhard Goathert of MIT
- How can the Society help Afghanistan realistically: Nader Noori
- SAE 3-year Strategic Plan reviewed: Razaat Ludin
- The Future of Architecture & Urban Planning in Afghanistan, Prof. Bashir Kazimee
- Online Education for Women in Afghanistan: Eng. Mohd. Feda AEBT President
- Online Education of Afghan Students: Prof. Amin Mahmood
- SAE Future Publication and Newsletter: Prof. Hafizullah Wardak
- SAE Businesses and Companies roles in Afghanistan: Jan M. Mehrzai
- Open Discussion and Questions & Answers

Saturday, October 16, 2021

1:00 pm – 3:00 pm ET (New York)

10:00 am – 1:00 pm Pacific Time

9:30 – 11:30 pm Kabul Time

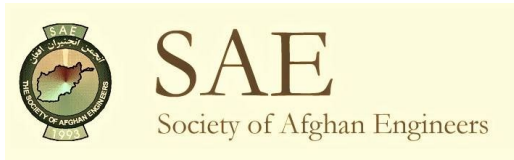
Virtual via Zoom

Virtual via Zoom

www.afghanengineers.org

Who Should Attend?

We welcome all those who are interested, or have practical experiences, in the reconstruction and development of Afghanistan



6265 Franconia Road, Alexandria, VA 22310 www.afghanengineers.org

SAE 2021 General Assembly Virtual Meeting

Saturday, October 16, 2021 (via Zoom)

1:00 PM - 3:00 PM Eastern Time (Washington); 10:00 AM – 12 PM Pacific Time (California)

9:30 PM – 11:30 PM (Kabul Time)

The **Society's General Assembly Meeting**, a once-a-year event, was held on the above-mentioned date and time. This meeting was a professional get together, where the future role and responsibilities of the Society at this critical juncture in the history of our beloved country were discussed. In this gathering several presenters had presentations a copy of which is being present below.

AGENDA

TIME	PRESENTATION/TOPIC	PRESENTER
1:00 – 1:05	Registration, Roll Call, Opening Remarks	Hamayon Ibrahim, SAE Vice President
1:05 – 1:10	A recitation of the Holy Quran	Eng. Zabi Zaca, SAE Board Member
1:10 – 1:15	Welcome Remarks	Najim Azadzoi, President
1:15 – 1:20	Keynote Speaker: ●	Prof. Zarjon Baha, Ph.D., Purdue University. President of Education Foundation for Afghanistan since 2013 and Former Dean of the School of Engineering at Kabul University, 1970s.
1:20 – 1:30	Guest Speaker ● Status of Afghan Economy	Jeffery Grieco, President, Afghan American Chamber of Commerce (AACC)

A QUARTERLY UPDATE FROM THE SOCIETY OF AFGHAN ENGINEERS

	<ul style="list-style-type: none"> ● Status of US Government and International donor relations with the new government ● Status of Afghan Infrastructural Investments and programming going forward ● Status of Afghan Refugees and assistance that SAE could provide them 	
1:30 – 1:35	A message from the SAE Board of Directors	Manan Khalid, Chairman of the Board of Directors
1:35 – 1:40	SAE Financial Report Updates	Mahmoud Samizay, SAE Treasurer
1:40 – 1:50	Some Reflection and Hope	Prof. Reinhard Goethert of MIT, Author, Researcher, and Designer of Low-income Housing in the developing countries.
1:50 – 1:55	How can SAE help Afghanistan Realistically	Nader Noori, US Bureau of Reclamation, South & Central California, Chief Engineer
1:55 – 2:05	Review of SAE 3-year Strategic Plan	Rafaat Ludin, Chairperson, SAE/Afghan Government Agency Liaison
2:05 – 2:10	The Future of Architecture and Urban Planning in Afghanistan	Prof. Bashir Kazimee, Chairperson, SAE Architecture and Urban Planning Subcommittee
2:10 – 2:15	Online Education for Women in Afghanistan	Mohammad Feda, President, Afghan Education for Better Tomorrow (AEBT)
2:15 – 2:20	<ul style="list-style-type: none"> ● Online Education and Training for Afghan students ● Low-cost Housing for Homeless in Afghanistan 	Amin Mahmood, Chairperson, SAE Student Subcommittee
2:20 – 2:25	Future of SAE Publications and Newsletter	Hafizullah Wardak; Editor-in-Chief, SAE Electronic-Newsletter Subcommittee

A QUARTERLY UPDATE FROM THE SOCIETY OF AFGHAN ENGINEERS

2:25 – 2:30	SAE Members’ Owned Businesses and Companies; Their roles, activities and participation in the future rebuilding of Afghanistan	Mohammad Jan Mehrzai, Chairperson, SAE Corporation Committee
2:30 – 3:00	Open discussion, Question & Answers	All Members, Colleagues and SAE Friends

The Society of Afghan Engineers

The purpose of the Society of Afghan Engineers is to accomplish the activities described in the mission and vision statements of SAE.

The Society was formed by the free will of a group of Afghan Architects and Engineers as a nonprofit organization. The Society engages in charitable activities and because of this, is exempt from Federal Income Tax under Section 501 (c)(3) of the United States Internal Revenue Code.

It is not an agency of any government and nor is the Society a political organization, and therefore, it is never involved in any political activities or propaganda.

For more information on the structure, administration and management of the Society of Afghan Engineers, please refer to the SAE bylaws.

The Society of Afghan Engineers Executives and Board of Directors

Executive Committee

- Najim Azadzoi President
- Hamayon Ibrahim Vice President
- Mahmoud Samizay Treasurer

Board of Directors

- Manan Khalid Chairman of the Board
- Jalal Masumi Vice Chairman of the Board
- Gul Afghan Saleh Executive Director of the Board
- Abdul Wahid Hassani Board Member
- Sharif Hossainy Board Member

A QUARTERLY UPDATE FROM THE SOCIETY OF AFGHAN ENGINEERS

Amanullah Mohmmandi	Board Member
Hadi Rakin	Board Member
Masood Satari	Board Member
Zabi Zaca	Board Member

Local Chapter Coordinators

Toronto, Canada	M. Qaseem. Naimi
Colorado.....	Amanullah Mommandi
Massachusetts.....	M.Najim Azadzoi
N. California.....	M. Najib Poya
New York/New Jersey	A. Manan Khalid
Virginia/Washington DC.....	Atiq Panjshiri
Kabul, Afghanistan	A Hamid Layan

SAE Committees and Subcommittees Chairpersons

Corporation Committee

Chairperson: Jan Mohammad Mehrzai

SAE Electronic Newsletter Subcommittee

Editor-in Chief: Hafizullah Wardak
Editorial Board Member:Manan Khalid
Editorial Board Member: Abdul Wahed Hassani
Regional Representative/Member (Afghanistan) : Prof. Hamid Layan

Architectural Subcommittee

Chairperson: Prof Bashir Kazimee, AIA

Building Code Subcommittee

Chairperson: Najim Azadzoi, AIA

SAE/AGA Liaison Subcommittee

Chairperson: Rafaat Ludin

City Planning Subcommittee

Chairperson: Najim Azadzoi, AIA

Website Development and Maintenance Subcommittee

Chairperson: Najim Azadzoi, AIA

Student Subcommittee

Chairperson: Amin Mahmood

Capacity Building and Academic Development Subcommittee

Chairperson: Wali Shairzay

Other SAE Committees and Subcommittees

Materials Specifications and Test Methods Subcommittee

Membership Committee

Communication and Public Information Committee

Public Relations Subcommittee

Technical Affairs Committee

Environmental Engineering Subcommittee

Agricultural Subcommittee

Water Resources Subcommittee

Advisory Subcommittee

Finance Committee

Conference and Training Subcommittee

Publications Subcommittee

Roadway and Bridge Design and Specifications Subcommittee

Environmental Engineering Subcommittee

Afghan Professional Regulations Subcommittee

Registration, Roll Call, Opening Remarks

Hamayon Ibrahim, SAE Vice President

Good morning/afternoon/evening every one. My name is Hamayon Ibrahim and I am the Voice President of The Society of Afghan Engineers or SAE. I have the honor to be amongst my dear engineers and Kabul University Faculty of Engineering former professors. On behalf of SAE members, board of director, and executives, I would like to open the SAE Annual General Assembly and would like to invite Mr. Zabi Zaka to recite a few verses of Quraan e azimulshaan.



After the Quarran shareef finished:

Thank you engineer sahib Zaka.

Now, I would like to invite Mr. Najim Azadzoi, the president of SAE to officially open the assembly with his speech.

SAE President, Najim Azadzoï, Welcoming Remarks

Honorable Chairman Manan Khalid, Respected Members of the Board of Directors, Respected Chairpersons of the Society's Committees and Subcommittees, Esteemed Members of the Society of Afghan Engineers, and dear Colleagues, Friends and guests.



I welcome you to the SAE 2021 Annual General Assembly Meeting.

The SAE Annual General Assembly is the Society's tradition, and it is required by the Bylaws of the Society to take place once a year. Section-9 of the Bylaws calls for an Annual face-to-face General Membership assembly meeting, or via video or teleconference for the transaction of the Society's business.

In the past 27-years since the establishment of the Society the Annual General Assembly meeting has been held face-to-face in various locations in the United States. We have also hosted this meeting via teleconference on several occasions.

In this gathering, the Board of Directors and Executives report the budget, policies, program activities, accomplishments, goals and objectives of the Society.

I am honored to have twelve distinguished Speakers and Presenters in today's meeting, including our Keynote Speaker and Guest Speaker, to discuss major issues and challenges that the Society face today.

I know that, ideally, each participant would receive more time to present their topic but we are doing our best to abide by the allotted time and schedule.

Plans and Programs laid out at the beginning of the year 2021 were challenged by a number of obstacles and unexpected events. The surge of Coronavirus from one side and the deterioration of the Security situation on the other hand played a role in the delay of the Society's projects in Afghanistan. Agreements made between the Society and the Kabul University Faculty of Engineering and Architecture department, Herat University, Ministry of Urban Planning, National Water Affairs Regulation Authority, and Afghan National Standardization Authority and several other Universities and professional communities in Afghanistan are all currently on hold.

In addition to these obstacles, the event of August 15 in Afghanistan brought a complete pause to the Society's activities in Afghanistan. Since the establishment of the new government of the Islamic Emarat in Afghanistan, the Society has been unable to make contact with the new government administration, nor have any of the new government authorities contacted the Society. The Society board of directors will be discussing this dilemma in a future Society's board meeting.

Despite these obstacles, the Society has made significant progress in the following areas:

A QUARTERLY UPDATE FROM THE SOCIETY OF AFGHAN ENGINEERS

- A successful fundraiser to help the displaced families in Afghanistan was completed and the Society raised over \$9000. Members are discussing options regarding how to best make use of the fund.
- The Society Bylaws are being reviewed and revised and it will soon be published.
- The Society membership has increased and continues to grow. We have over 50 active members and over 500 participant-members now.
- The Society website is updated, and a new Facebook group was created which garnered over 600 members in 3 months.
- Joint-Ventures agreements were signed between the Society and the Afghan American Chamber of Commerce and the Afghan Education for Better tomorrow.
- A search for a new SAE representative in Afghanistan is underway.

Thank you very much.

Keynote Speaker, Prof. Zarjon Baha

Assalamu-alaikum

Dear Friends of Afghanistan:

When our President, Najim Azadzoi, asked me to be a keynote speaker, I felt privileged to be addressing such a distinguished group at our annual General Assembly. I would like to first introduce myself to those whom I have not had the pleasure to meet. My name is Zarjon Baha, and I have been working at Purdue University for the last 40 years, where I serve as a professor and college mentor at the Purdue Polytechnic institute.



I began my career in 1962 at Kabul University as an instructor, later as department head, and was the Dean of the School of Engineering when the Communists took power in the country. While in Purdue University, I worked for five years in Malaysia as a program coordinator of a 20-million-dollar World Bank project where about 100 consultants, mainly from the US, and also the UK, Canada, and Australia, worked on the project.

I would like to express at this time my deepest gratitude for the founders and members of our Society, who have dedicated so much of their time and resources to keep the Society active and impactful.

As an Afghan American, I feel extremely fortunate for the life that I have been blessed with, but at the same time I cannot help to be reminded of our sisters and brothers in Afghanistan who do not have similar

opportunities and are living in very difficult conditions. I am sure many of you can relate to this feeling, and I believe we all share the same sense of responsibility to help the desperate situation there.

For more than forty years Afghanistan has faced political instability and very difficult times, but our work shall not be influenced by those events because we have no control over them. Our mission should always remain the same: to help rebuild Afghanistan and improve the quality of life for every Afghan. For example, if we help to adapt a proper Building Code for the country, that can provide safe buildings for everyone. Similarly, if we can teach via the internet and deliver conferences, this will help improve education and professionalism in the country. Our projects must not be influenced by the politics of the country.

One of my friends in Indiana that some of you may know, Hussain Farzad, who was the director of the dormitory in Kabul University, has been telling me “If all the Afghan engineers and architects from the USA go to Afghanistan and work there, the country will be built”. Throughout my life, I have seen many of our Afghan engineers and architects demonstrate tremendous achievements and success all around the world. I have faith in the abilities of our professionals who can help in many sectors in the country. It may not be practical that all of us pack our bags today and leave for Afghanistan, but nonetheless we all can still contribute in building the country no matter where we are. I consider today’s gathering as an obvious example of our desire to participate in building Afghanistan. I am proud of each one of you for your accomplishments and your desire to help the desperate situation in Afghanistan.

Let us hope we all can play a role in the prosperity and peace in our beloved Afghanistan.

I wish you luck at this great meeting, and I will be here for any questions and to enjoy the remaining agenda of our assembly.

Guest Speaker, Mr. Jeff Grieco, President, Afghan American Chambers of Commerce

A Quick Brief

By

Jeffrey Grieco,

President and CEO, Afghan-American Chamber of Commerce (AACC)

October 2021

Multiple Contributing Factors to the Collapse of
Afghanistan’s Constitutional Islamic Republic

- Trump Admin. Agreement with Taliban: although negotiated out of U.S. Gov’t frustration with Ghani Gov’t, it strategically undermined U.S.-Afghan bilateral relations and further weakened Ghani Gov’t



A QUARTERLY UPDATE FROM THE SOCIETY OF AFGHAN ENGINEERS

- “Speed and Torque”: of Biden Administration withdrawal decisions & its poor implementation
- Crippling Nature of “Afghan Corruption Matrix:” within national and provincial governments which drove Afghan public and military discontent with Ghani regime and contributed to the rapid fall of each provincial capitals as U.S. troops left Bagram and then Afghanistan
- Failure of Ghani Governments (2): to achieve effective unity governance and provide sustained leadership, capacity development and economic growth leading to improved regional economic integration and growth.
- Note: Final June 25, 2021, meeting between President Biden and President Ghani and Chairman Abdullah
- Pakistan’s Role: Our members confirm Pak role in overthrow of a U.S. ally using the Taliban and its own ISI and Pak troops to execute provincial attacks and provide command and control.
- Coming Next: Sudden Impacts of U.S. and IMF asset freezes: on Afghan assets (government, individual & private sector) both inside and outside Afghanistan, have lead to effective collapse of Afghan Central Bank and (perhaps soon) the commercial banking sector and Islamic finance instruments.
- Coming Next: OFAC Restrictions: have now become “operational” with absence of elected government and declaration by Taliban of new “Interim Government” with mostly militant Talibs and few reformers

What comes next for Afghanistan?

A Perfect Storm of Calamities

- Humanitarian Crisis Now Unfolding: UN Flash Appeal, UNICEF and WFP warn that 9 million are nearing acute malnutrition and it could be 18 million by year end or start of 2022. Watch markets carefully as WFP shows 95% of Afghans surveyed don’t have sufficient access to food.
- Sustained Drought: Has effected food production and increased overall food insecurity in all 34 provinces and weakened agricultural and commercial supply chains
- Impact of COVID and India Variant: with only 10% vaccinated and most of those using China vaccine with 50% efficacy, COVID has weakened immunities and attacked the most vulnerable
- With US & IMF Asset Freezes: Transport and various commercial and economic supply chains have slowed dramatically or stopped functioning altogether
- Taliban Takeover: Has improved security in most provinces and reduced corruption in export trade and supply chains but also caused the flight of the most competent, educated Afghans to manage health, education and assistance programs going forward. Taliban unprepared and lacking capacities/skills at national governance.
- Electricity & Fuel Supplies: We expect brown outs and black outs to begin in next month, and with onset of winter, we expect difficulties in obtaining fuels.

U.S Government Response Since Collapse:

- President Biden promised over \$1.2 billion for humanitarian response in FY 2021 and 2022. \$330 million was spent in USG fiscal year 2021 (ending October 1, 2021) and puts U.S as lead humanitarian donor.
- Committed to more than half being implemented through UN agencies (e.g. UNHCR, WHO, UNICEF, WFP, IOM, OCHA, UNDP). Unclear whether this is new money or re-programmed funds from ARTF or other recent reconciliation bill appropriations.
- In addition, there are New Funds for Afghan Refugee Resettlement: Biden signed (10/1/21) Continuing Resolution/Budget Reconciliation package with an additional \$6.3 billion for Afghan refugee resettlement programming for State and Defense Departments
- U.S. Gov't direct bilateral humanitarian assistance will focus largely on livelihood initiatives within agriculture, health and medical programs and women's economic empowerment. Only funding direct to program partners as none will be implemented through Taliban Interim Government.
- These programs will all be required to comply with strict U.S. requirements for tracking program funds expended and complying with all OFAC license requirements (under the General License 14 & 15 architecture).
- U.S. National Security Council and USAID are conducting a weekly/monthly calls/meetings for U.S implementing partners in Afghanistan. Few Afghan organizations (NGOs or for-profits) are invited.
- Biden Administration has "erased" Afghanistan as a "Priority Country": scrubbed many websites of Afghanistan content, removing not only photos but also many State and USAID Fact Sheets, RMT and DART Reports and other transparency updates.
- USAID Administrator has failed to do a single public event on Afghanistan or the humanitarian disaster they now face.
- Also, she has not spoken about Afghan women's empowerment since she took office almost 8 months ago. Her voice and Agency voice are critical on these issues.

What we need now from U.S. & international donor community

1. Don't disengage from the Afghan people: they feel we created many (but not all) of the problems and yet we are punishing them (e.g. asset freeze, commercial banking access problems, pull back of economic assistance, lack of support or leadership for private sector-led trade and investment, regional economic integration, etc....)
2. Urge U.S., IMF/World Bank and Multilaterals to quickly find ways to provide financial and funding platforms that are direct, secure and compliant under U.S. sanction laws and regs. This is doable but lacking political motivation now without U.S. leadership.
3. Direct that more U.S., World Bank and UN assistance be implemented through Afghan "Primes and Grantees".

- Not necessarily through traditional multilaterals or USAID implementers who drain a significant amount of funds for their overhead and salaries of expat staff. This will increase funds into Afghan private sector economy and help Afghan organizations to better measure their performance, transparency and capacities.
- 4. Must Use Bilateral Economic Assistance Programming to focus on: regional trade integration, private sector livelihoods (in ag, energy, ICT, and mining sectors) and push entrepreneurship development for men and women within targeted vertical private sector supply chains.
- 5. Prioritize US Bilateral Assistance Platforms: to focus on women’s economic and political empowerment; and
- 6. Use Multilateral Assistance Platforms: to focus on “human rights” and possible Taliban atrocities, killings and genocidal acts. Intensify public and international scrutiny.

A message from the SAE Board of Directors

Manan Khalid, Chairman of the Board of Directors.

Thank you, Azadzoi Sahib,...

Dostane Gerami,

It is a pleasure to be once again my dear colleagues and some of my professors. It makes me proud and happy to be part of this organization.



The current Board of Directors took the rein of responsibly in January of the 2021. It is comprised of a group of highly qualified individuals. I have been given the honor to be the chairperson of the new team with Masumi Sahib as the Vice-Chairperson and Dr. Sahib Saleh as the executive director. The mandate of the current bylaws is a minimum of 4 meeting in a year. To date, we have had 15 meetings with two and a half months still left in the year. Our goal was to set the agenda of the new executive committee in motion. Two of these meetings were held as special meetings. The last special meeting was held to strategize collecting funds for those who were displaced due the recent events in Afghanistan.

Highlight of some of the items that were taken up by the Board and were decided upon are as follows:

1. Review and approval of the executive committee and the Board of Director’s nominees for different positions.
2. Review and approval of several MOUs between SAE and some of the Ministries and organizations in Afghanistan.
3. Review and approval of the Society’s 2021 budget
4. Review and approval of a local -Afghanistan representative
5. Modernization and Maintenance of the SAE website

6. Joint Venture proposal between the Society of Afghan Engineers and the Afghan Education for Better Tomorrow (AEBT)
7. Review and approval of Ustad Hafizullah Wardak as the Editor In-Chief of the eNewsletter and as the Chairperson of its Subcommittee
8. Review of the Bylaws: According to the Bylaws, the Bylaws have to reviewed every 5 years. Accordingly, a Task Force was formed to do the reviews and propose needed edits and changes. Since appointment, the Task Force has been diligently working to edit and revise the Bylaws. Once all finished and done and approved by the Board, a draft of the new version will be shared with the members and the changes will be presented in a future general assembly
9. Emergency fundraising for the displaced. A special emergency meeting was held to put the effort in motion.

Regardless of the recent changes and the type of government, our goal of serving our country and our people will remain the same. We will try our utmost to do good by our mission and vision and to serve our impoverished people.

I would like to thank the executive committee, and especially each member of the board of directors by devoting time in attending the meetings and providing valuable and unbiased input and making decisions that are in accordance with the Society's mission and vision.

I would also like to extend my appreciations and thanks to the members in trusting us, and for their patience in allowing us to take the needed time in discussing and deciding the affairs of this noble Society.

Thank you for your time and may Allah (SWT) have mercy on our country and our people.

SAE Financial Report Updates

Mahmoud Samizay, SAE Treasurer

The only income source of the Society of Afghan Engineers' is the annual membership of \$60.0. Members living in Afghanistan are exempt from the paying annual membership.

From the 48 active SAE members who paid the membership in 2020 only 29 members paid their 2021 membership fees and donations total of \$3, 410.

In 2021, twenty-one engineers, architects and planners the US and 17 living in Afghanistan. The total membership fees and donations of new members are \$1,120.0. Therefore, SAE total membership fees and donations collected in 2021 is **\$4, 530.0**

In addition, SAE had some operational and miscellaneous expenses of \$876.0 in 2021 including \$628.0 3-month salary of SAE representative in Kabul, \$88.0 SAE registration and web site, and \$160.0 miscellaneous. The total SAE bank account balance is \$22,695.0.

We encourage all SAE members to pay their 2021 and 2022 membership fees.



Treasury Report

		Balance
As of January 6, 2021		\$19,041.00
Membership Fees + Donation		
<hr/>		
Active Membership (From 48 only 28)	3,410.0	
New members (21)	1,120.0	
Subtotal	4,530.0	
		23,571.00
Expenses:		
<hr/>		
Post Box	75.0	
Website	13.0	
Kabul Representative	628.0	
Miscellaneous (flower banquets)	160.0	
Subtotal	876.0	
SAE Bank Account Balance as of Dec 2021		22,695.00

Some Reflection and Hopes

Professor Reinhard Goethert, MIT

THE TASK IS TO MAKE THE FUTURE

Some Reflections at the SA 2021 General Assembly, October 16, 2021.

A virtual annual gathering of the Society of Afghan Engineers

Dr. Reinhard Goethert

Special Interest Group in Urban Settlement (SIGUS)

MIT



The continued news about Afghanistan does indeed give one pause on the depth and scope of issues being faced. The extensive interest and the widespread availability of the news media gives an approximate sense of the situation and I offer some reflections based on my albeit limited experience in Afghanistan. The comments may be of use to the SAE in their involvement in recovery, stabilizing and rebuilding of the country.

One particular aspect has given me pause is the widespread detrimental impact on Kabul and undoubtedly throughout the country as well: the massive evacuation of an estimated 300,000 from Kabul. Some countries publicly criticized the scale of evacuation describing it as a ‘brain drain.’ It seems the desire to leave continues, and efforts are made in discussions with the Taliban to allow continued departures.

I understand that the Taliban has not given permission and want people to stay, recognizing that a vital skill base is needed as the country wishes to stabilize and rebuild.

Why is this seen as a key factor? I have seen similar – although different in many aspects – the departure of a large portion of the skill base in a country and the resultant impacts.

It is not entirely clear who has departed, but indications are those who are educated, often English speaking (many were translators and worked with foreign NGO and agencies) and the skilled in administration and operating services. Undoubtedly included are those that keep the city functioning, those in city services, those that are involved in the economy and in general the better educated, motivated and energetic: vital components in any functioning city.

What is the situation in terms of outside assistance in rebuilding?

In the turmoil of the rapid departure of the US, substantial resources have been promised to be available for rebuilding. The European Union has offered \$1.15 billion in aid. The US also have committed a massive amount. Substantial World Bank commitments and many billions in resources of Afghanistan have been blocked, dependent on policies acceptable to the funders. Substantial money seems available.

Customarily outside funds are managed/implemented by foreign consultants, providing assurance of proper intended use and basic management. This delivery model most likely will also be used and an influx of a considerable number of foreign firms will participate, undoubtedly there will be a very large number needed because of the magnitude of funding available.

Foreign firms undoubtedly will need expertise with knowledge of the language and area and Afghan professionals will be necessary. The SAE could unquestionably play a big role, and perhaps be able to influence programs and projects.

Several global issues may influence the number and roles of foreign firms: A ‘perfect storm’ exacerbating demand of foreign expertise is seemingly in progress: 1) climate change rethinking and projects beginning to be realized worldwide as climate seriousness becomes overpowering; 2) related are the increasing environmental disasters requiring extensive rebuilding; 3) conflicts ending in several parts of the world, for example Syria, which would suggest a large need for expertise; 4) migration issues and programs and projects

A QUARTERLY UPDATE FROM THE SOCIETY OF AFGHAN ENGINEERS

oriented toward coping with migrations itself and destination impacts; and 5) lastly urbanization growth issues and the need to refocus in particularly mobility replanning. All of these factors place an unusual strain on the supply of global expertise and resources. Increasingly – in part driven by the experience of remote work from Covid concerns – less desire and realization of the declining need for companies to send staff to work outside. Virtual support with familiarity with technology has become more common

This suggests that SAE groups could be given responsibilities that normally would be reserved for foreign entities – an opportunity for SAE to prepare for and encourage.

In Afghanistan, the loss of the large skilled segment of the country who make things ‘work’ will be exacerbated. How to fill this void?

From the news, Pakistan appears to offer some support,

But their local expertise is probably not sufficient, and here SAE could participate assuming no restrictions are placed.

An opening to have more women involved to fill the shortage? Probably not likely initially, but things could change as the foreign big funders push and put requirements on use of funds and require the Taliban to agree in some acceptable arrangement. “It is estimated that foreign aid accounted for three-quarters of the government’s budget and almost half of GDP.” (*The Economist Sept. 4, 2021*) This suggests that the new government would be heavily dependent on foreign aid with leverage on what is funded.

SOME REFLECTIONS FROM OTHER SIMILAR PREVIOUS SITUATIONS

Haiti and Banda Aceh (after the Tsunami in Indonesia) offer some lessons which may be useful to keep in mind for Afghanistan. Both were immensely constrained with the lack of expertise in their recovery from disasters. Haiti is small and limited and Banda Aceh (Indonesia) has a large base and could draw on a wider group.

In both cases funding was not an issue, and even in Banda Aceh donors were asked to end their funding because of the lack of capacity to handle additional funding. Discussions shifted to broadening the funding use for general development issues throughout the country and not focused solely on Banda Aceh as originally committed. The shortage of local capable staff was so great that recruits from throughout the country were sought, along with university students from big cities throughout the country. Language problems ensued, along with the lack of local knowledge.

Haiti also had an outpouring of funding from agencies, but as recovery continued the funding needs changed, from immediate relief to long term permanent development. Funders had contributed their funds specifically for immediate use and had not anticipated nor allowed use for permanent construction. Implementing groups on the ground were forced to develop creative measures to make more appropriate use of the available resources. In terms of local expertise, the flood of NGOs and development agencies – some estimates list an almost astronomical (unbelievable?) 10,000! – each hired local skilled staff, draining the small country of able capable human resources. If each outside group hired say 4 staff (local experts from the very limited

pool - sometimes from existing government agencies who lose competent staff - In addition to drivers, security, household staff) this would siphon off 40,000 from a small pool. While outside agencies were in Haiti and funded, some stability was assured, but once the funding and the outside agencies departed, the previously hired local staff remained, needing jobs. Some enterprising individuals started their own companies drawing on skills learned, many wanted to continue as permanent employment with international development agencies, but too many remained without employment, creating a large unorganized but now relatively skilled crush: a potentially serious long-term issue. One factor for the increasing migrants from Haiti is the speculated as being the former local staff hired by the flood of outside consultants, and the loss of employment once they left – now better skilled but nowhere to use their newly acquired skills. Does this imply that out migration will continue in Afghanistan?

SO WHERE COULD THE SAE PARTICIPATE

The SAE offers up-to-date technical experience and skills from their years of practice in the US which is coupled with their knowledge and continued links of and in Afghanistan. This state-of-the-art expertise would be transferred with their active involvement in programs and projects.

Several areas merit particular attention, undoubtedly among others:

- 1) Continue the initiatives the SAE has undertaken in providing support to communities to directly benefit families. Big funding initiatives may inadvertently bypass families and take some time before any impact. The established links and familiarity of the SAE allow efforts of direct immediate support to continue and strengthen.
- 2) To help meet the loss of skilled staff in the various city services and also in the administrative organizations, the conceptualization, structuring and establishment of practical short courses, possibly at the universities, could provide quickly needed skills. A short course in partnership with end-users and quickly setup would be a directly needed input. Although many years of on-the-job is best, the skill would be to develop staged learning, perhaps a *learn-while-doing* approach assuming the essence of expertise could be distilled into a useful immediate course.
- 3) A general focus on environmental issues could be an overriding effort of any SAE involvement - a 'Smart City' bias. Environmental concerns would be acceptable and embraced across all political spectrums, with direct benefit to all. Funders would welcome environmental concerns, and the SAE should encourage and link efforts in these areas. This would be seen as an opportunity to do more than just recovery/stabilization, but to make Kabul a model Smart Environmental City.
- 4) An interesting model that the SAE has started is the research initiative – the case of energy – which could be coupled with funds for recovery from the development community. Partnerships with Afghan-based groups could broaden projects/programs to include long-term benefits perhaps linked to the university and to agencies impacted. Adding an environmental linkage to programs may prove to be attractive to funders.
- 5) It would be an opportunity to explore 'high-tech' applications for virtual consultations and support in Afghanistan.

In some cases, it may be sufficient to provide vital support via remote links: the current use of Zoom techniques is an entry, but could be improved. Adding a VR/AR component offers both a 'better' interface platform and a research opportunity.

An opportunity to develop a mobile ‘high-tech outreach’ model for supporting widespread rural towns in development support could be a viable option quickly realized: modification of existing vans, with drone for data acquisition, plotter for mapping, and generator rural energy. This ‘Mobile Planning Van’ could be expanded beyond planning to include health, education and employment support.

6) The SAE is in a good position to influence strategies and programs of the development community. Invariably they would be involved in programs and projects and would have an input into their formulation. Encouraging funders to allocate funds to the universities – regardless of what projects/programs they fund normally – is essential to rebuild the lost expertise.

Annual Report

Afghan Government Agencies Sub-Committee (AGAS)

Prepared by: Razaat Ludin, BSEE MBA – Chairperson of AGAS

12/09/2021



Razaat M. B. Ludin was appointed as a volunteer Chairperson of the Afghan Government Agencies’ Sub-Committee (AGAS) in early 2021. Below is a list of some of his activities during the 2021 calendar year.

The AGAS Chairperson drafted a strategy paper for the sub-committee, which listed all objectives and their respective activities in a Project Planning Matrix with their associated Objectively Verifiable Indicators (OVIs), means of Verification (MoV) and Key Assumptions. A detailed Operations Plan was also prepared, which included the PPM, the timelines, the responsible and the internal and external resources and budgets. The complete strategy document is attached as appendix 1.

During the current year, AGAS worked with the President and the Board to identify and appoint a liaison officer for Afghanistan. As a result, Eng. Habib Urrahman Rahmat was hired. He is a highly qualified, honest, and hard-working gentleman, who has served his country for many decades in various capacities. Mr. Rahmat was instrumental in establishing contact with various government agencies and facilitating meetings that led to firm collaboration plans between SAE and the respective agencies for the benefit of the people of Afghanistan.

In addition, the Chairperson of the AGAS also actively collaborated with the Afghanistan based Government Liaison officer, Mr. Rahmat, in ensuring that his reports were accurate, in the proper format and indicative of the activities. Close cooperation between the AGAS Chairperson and Mr. Rahmat was part of the working process.

AGAS engaged with several Ministries and other government agencies including the following:

Kabul University, Faculty of Engineering,

Discussions were initiated with the Dean of Faculty of Engineering at Kabul University and a firm commitment was secured for collaboration between SAE and the Faculty of Engineering. It was agreed that an MoU will be signed that regulated the collaboration. The MoU was drafted in May 2021 and submitted to the Board for approval, but it was not approved by the board until the fall of the government. Hence, also this MoU was left unsigned. Draft MoU is attached as appendix 2.

Department of Architecture at Kabul University's faculty of Engineering:

Roshan family had dedicated an annual scholarship scheme for students in 2nd, 3rd and 4th years for excellence in performance in various fields. The AGAS initiated conversations with the department and the Faculty of Engineering to revisit the already discussed memorandum of Understanding and formulated a revised document that was reflective of the realities on the ground. The MoU was presented, discussed and in principle agreed to by both parties. However, the SAE board was not able to approve the MoU prior to the collapse of the Afghan government and, hence the MoU remain unsigned. Draft MoU is attached as appendix 3.

Ministry of Urban Development and Land (MUDL):

Discussions were initiated with the deputy minister and a firm commitment was secured for collaboration between SAE and the Ministry. It was agreed that an MoU will be signed that regulated the collaboration. The MoU was drafted in May 2021 and submitted to the Board for approval, but it was not approved by the board until the fall of the government. Hence, also this MoU was left unsigned. Draft MoU is attached as appendix 4.

Ministry of Energy and Water, Deputy Directorate of Water

The National Water Affairs Regulation Authority of Afghanistan (NWARA)

Discussions were initiated with the deputy minister and a firm commitment was secured for collaboration between SAE and NWARA. It was agreed that an MoU will be signed that regulated the collaboration. The MoU was drafted in May 2021 and submitted to the Board for approval, but it was not approved by the board until the fall of the government. Hence, also this MoU was left unsigned. Draft MoU is attached as appendix 5.

The Afghanistan National Standards Authority (ANSA):

Discussions were initiated with the deputy minister and a firm commitment was secured for collaboration between SAE and ANSA. It was agreed that an MoU will be signed that regulated the collaboration. The MoU was drafted in May 2021 and submitted to the Board for approval, but it was not approved by the

board until the fall of the government. Hence, also this MoU was left unsigned. Draft MoU is attached as appendix 6.

In addition, the Chairperson of AGAS helped the President in drafting MoUs for several other collaborations, including the following:

- 1) MOU with PMG – Planet Management Group, for employment of Afghan engineers in various engineering design projects in USA and globally. Draft MoU is attached as appendix 7.
- 2) A recommendation letter was issued by the Chairperson of AGS to the president and the Board of Directors on possible areas of cooperation between SAE and AACC. Most of those recommendations were adopted by the board of Directors. See attached list of Recommendations. Recommendation letter is attached as appendix 8.
- 3) MoU with AACC – The Afghan American Chamber of Commerce – for collaboration to open doors for SAE to US government entities for funding as well as collaboration with the private sector that supported US government contracts. The MoU was signed, and collaboration is ongoing. Draft MoU is attached as appendix 9.
- 4) Joint Venture Agreement with Afghan Education for a Better Tomorrow (AEBT). The JV was approved by the board and signed between SAE and AEBT. JV agreement is attached as appendix 10.
- 5) As per the President’s request, a letter of cooperation was drafted by the AGAS Chairperson and after approval by the President forwarded to USAID via AACC. In the letter, SAE is introduced an offer of collaboration is made to USAID to continue to build on existing investments in the engineering and educational fields. The letter is attached as appendix 11.
- 6) As per request by the president, the AGAS Chairperson participated in Zoom calls with the Faculty of Engineering of Herat University to discuss their solar and wind power pilot project. The AGAS Chairperson was assigned to lead the initiative and provide the required documents to assess the feasibility of the project, which was promptly completed. The load calculation forms forwarded to Herat University are attached as appendix 12.

SAE - Goal setting and task identification for Architecture/Urban Design Committee.

Prof. Bashir Kazimee, AIA

Professor Emeritus

Washington State University

Chair: SAE-Architecture and Urban Design Committee



In the coming years, as Afghanistan mull over to reconstruct its war-stricken cities and the built environment, it's imperative that the potential for growth and social progress predominantly will be the task of urban economies, and rebuilding activities as the process of urbanization unfolds. Therefore, designing and planning of the cities and the built environment is a powerful tool, to provide economic opportunities and

improve the social status and wellbeing of the population. In this regard the voice of the architects, engineers and urban designers are essential and timely to address and advocate the new building challenges and urban developments, such as housing crises, affordability, sustainability, and economic equality in the country.

Therefore, in this context, the SAE Architecture/Urban Design Committee task identification and mission will aim to improve, educate, and sustain the practice of the architecture and urban design in Afghanistan.

The following key objectives may be the focus of the committee in coming years, and in the past few months we have made some progress in these areas.

1. In the area of Education: Provide guidance and support on “curriculum development,” to Afghan universities and colleges in the fields of architecture and urban design – realizing that the practice of architecture and design is changing every day, and new discoveries need to be supplemented into their education curricula.
 - Objective and scope: identify and integrate innovations in design education into the curriculum - recognize technological advancements/global trends in design – integrate the ecological and sustainable principals in design education (global warming) - shelter availability, affordability and vernacular practices in design - social and cultural influences in the built environment.
 - Accreditation: launching an accreditation and evaluation of the architecture education programs, based on acceptable national/international standards.
2. In the area of Research: Providing advice and support to the Faculty of Engineering and Architecture in establishing a “Applied Research and Design Innovation Center,” so the faculty and students can enhance, contribute and develop knowledge in their own field of study, and seek new opportunities in their profession.
 - Objective and scope: collaboration/interdisciplinary networking – resource allocations – training and education – support interactions between research, education and learning – promote improving members skills and knowledge.
 - Expected outcome: coordinate resources, research activities and strategic planning – enhance knowledge – enhance reputation and skills of its members/institution – transfer knowledge for the benefit of the society.
3. Encouraging and partnering with Afghan practitioners, Kabul University Department of Architecture, and the Ministry of Urban and Land Development, in launching the professional licensing program for the architects and urban designers, and help establishing the “AIA - Afghan Institute of Architects,” in Afghanistan. (This may be a long-term goal, will need government policymakers, institutional partnership and needed resources).
 - Objective and scope: launch continued professional development/learning programs for architects - establish internship development process - establish architectural exam/examination board – initiate licensing and certification process – launch and manage AIA membership program.
 - Expected outcome: professional competency and accountability – promoting acceptable national/international standards.
4. Securing a SAE office in the Kabul University, with a part time personal.
 - Job description is posted on the SAE and Daricha sites -applications are in progress – reviews of the applicant will resume shortly.
5. Managing scholarship for the architecture students in Kabul University. A donor is already identifying – we are looking into legal and technical issues.
 - The donor annually identifies donation amount of \$ 5,000.

- Memorandum of Understanding, about the goals and objectives of the scholarship, methods of awarding, and review process is prepared.
- Approval process: the Memorandum of Understanding will be forwarded to the donor and the Kabul University for approval.

By identifying the above tasks, I must also state that we should be vigilant about the timelines, expectations and the complexity of the job that is naturally expected. But at this stage, I believe this document is in a goal setting stage by identifying the essential areas of the architecture/urban design profession that needs to progress forward in the country. The short-term, and long-term tasks and goals will be identified as we explore the necessary funding, administration resources, and other contingent possibilities in our country.

Online Education for Woman in Afghanistan

Eng. Ghulam Feda, AEBT President

Eng. Ghulam Feda, AEBT President



Afghan Education for a Better Tomorrow

Tele-Education System Herat University

- Installation of 5000-watt Solar Panels
 - Installation of satellite dish for high-speed internet
- Installation of computer and high-resolution projector, speakers and sensitive mics





Aschiana Tele- Education

- Science Subjects for University Entrance exam
- Students from 10 to 12 grades



Girls Education in Afghanistan



The project being proposed to promote girls' secondary education (grades 7-12) in Afghanistan via the tele-education model

Goal

To promote girls' secondary education and empowerment in Afghanistan through tele-education

Project Objectives

- Designing appropriate mechanisms to enable girls to receive quality instruction from female teacher transmitting from remote locations.

A QUARTERLY UPDATE FROM THE SOCIETY OF AFGHAN ENGINEERS

- Empowering the girls to be independent and thoughtful.
- Fostering a learning environment where students and teachers can have meaningful interactions.
- Serving as a model for, and possibly collaborating with other Afghan educational institutions.

Benefit

- Increased number of secondary school-aged girls prepared to enter institutions of higher learning or the workforce
- A reduction in negative attitudes towards the rights of women
- Increased social economic and political growth and development in Afghanistan

Impact

- AEBT aims toward a more inclusive approach to education. The key to success is in offering girls, who lack access to education and are also confronted with cultural obstacles.
 - This is an initiative that could potentially have a profound effect on Afghanistan, serving as a model that would bring peace and sustainable development to the country



Thank You

Emergency Housing for Displaced Families in Afghanistan

Amin Mahmood, SAE Student Subcommittee Chairperson

REFUGEE HOUSING IN AFGHANISTAN

By Amin Mahmood, PE, SE

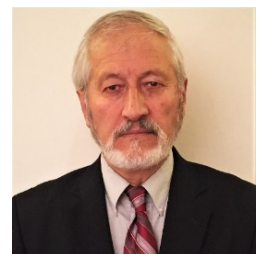
October 18, 2021

The almost non-stop war in Afghanistan for the past four decades has forced mass relocation of Afghans.

The change of regime in Afghanistan following the events of 9/11 resulted a mass reverse migration of Afghan refugees from neighboring countries to their homeland in the hope of peace, stability, and better life but those hopes were not realized. Millions of Afghans are still homeless and in desperate need of shelter. The fall of the Ghani government last August placed Afghanistan back to square one.

As professional engineers and architects, we need to be creative in solving the problem of homelessness.

Page | 49



We need to think outside the box. We are not designing luxury homes with modern facilities and ideal amenities. People need a shelter (better than a tent) with some privacy to their family, especially for women.

They do not want their women going to a communal latrine. They do not care about having furniture or modern kitchen appliances in their homes. Considering my own past, I remember sharing a small room in Jada-i-Maiwand with a friend when I was hired as faculty member at College of Engineering. I did not have a bed or any other furniture in the room. We cooked our food in our room with a small electrical stove and did not have a heater in the winter or a fan in the summer. We used a communal latrine in the floor below. The homeless refugees who live in a small tent now need something similar to what I described my own shelter in Kabul.

One such shelter could be made from shipping containers which are abundant in Afghanistan with no other good use except as eyesores scattered throughout the country. According to my contacts in Kabul, a typical twenty feet long container could be purchased for \$700 to \$1,000. For comparison purposes, I designed a similar but smaller box (8'x16') made of 2x4 lumber and plywood siding, with sheet metal roof.

The cost of material alone exceeds \$1000. With labor, the cost will exceed \$1,500 (not to count for quality control inspectors). Cutting a door and a window and adding some insulation will make, a shipping container a sturdy and attractive shelter. Four of these units could be clustered together with a fifth unit in the middle converted to bathrooms for four families. Six-inch-thick precast concrete tilt panels or 8" thick confined masonry can be used for privacy walls. Attached is the layout for such a shelter. I am open to comments and ideas from other colleagues to improve this concept or come up with something better and cheaper.

There was a medical doctor from Japan named Tetsu Nakamura, who built large scale irrigation canals and converted thousands of acres of arid land in eastern Afghanistan into lush farms, thus helping millions of people who were not from his country. He died while helping our countrymen. We should consider him as our role model, at least I do. The only regret that I have is that I found out about him after he was killed and did not get a chance to be in his team. We should try to do something useful for our country as Dr. Nakamura did.

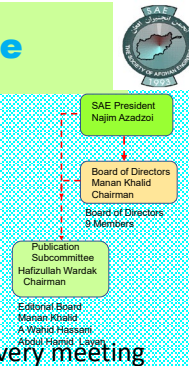
Future of SAE Electronic Newsletter and Publications

Hafizullah Wardak, SAE Editor-in-Chief.



SAE eNewsletter Subcommittee

- Chairman: Hafizullah Wardak
 - Editor-in-Chief since June 2021
 - Prior to that Ustad Mujtaba - Editor-in-Chief.
- Members:
 - A. Wahid Hassani,
 - A. Manan Khalid,
 - Abdul Hamid Layan.
 - Najim Azadzoi president of SAE, participant at every meeting



- This is the 11th year of the publication of SAE eNewsletter
- SAE eNewsletter is released every quarter, 4 issues/year.
- The content of the eNewsletter is (Ref.- SAE eNewsletter Guideline May 14, 2014):
 - Editorial
 - Message from the President of SAE
 - Message from the Board of Director
 - Interviews, Technical paper, membership news
 - News from Afghanistan
- Current and Future method of SAE Publications and Newsletter Distribution

Current method of distribution (attachment to email).

Changes in the format and content, may occur overtime.

- More technical papers and technical news from Afghanistan
- Establish contact with Engineering Colleges in Afghanistan, distribute SAE newsletter to faculties. This is in addition to governmental and private technical organizations.

Engineering College of Kabul University, Kabul Polytechnic University, Shaikh Zahid University Khost, Nangahar, Kandahar, and Herat

Recently received thank you email from the Dean of the college of engineering Shikh Zayid University - Khost. He has promised cooperation with SAE eNewsletter - providing technical papers. (Nasrat & Stanakzai Sahib)

- Increase contact with Engineering/Architectural students
- Establish contact and distribution with Libraries inside Afghanistan
- Current and Future method of SAE Publications and Newsletter Distribution

Current method of distribution (attachment to email).

Changes in the format and content, may occur overtime.

- More technical papers and technical news from Afghanistan
- Establish contact with Engineering Colleges in Afghanistan, distribute SAE newsletter to faculties. This is in addition to governmental and private technical organizations.
- Increase contact with Engineering/Architectural students
- Establish contact and distribution with Libraries inside Afghanistan
- Future of SAE Publications and Newsletter
- Transition to SAE website -overtime.
- Readers inside Afghanistan may not have access to website.
- For near future both methods (attachment to email and link to website) will continue.
- The Editorial Board is requesting and highly encouraging readers to provide feedback, comments, and technical papers.

- Future content depends on input from the overall reader Community
- Future of SAE Publications and Newsletter
- An observation during the past several years with SAE:
 - Those who leave SAE administrative positions or officials (BOD, president, Secretary, members of committees/subcommittees) their participation and involvement evaporate – silence.
 - The past officials and affiliates should stay active with SAE and provide feedback how to improve and how to move effectively forward.
- Future of SAE Publications and Newsletter
 - Start publication of one or two Pushto/Dari technical paper
 - This will require changes to eNewsletter Guidelines.
 - Proposed changes have been submitted to the committee formed by BOD
 - Add at least two more members to the editorial board
- A significant accomplishment of the Editorial Board, in addition to on time release of the newsletter, has been the consolidation of numerous scattered emails into one “Global List” of 512 emails that is currently used. The data is continuously updated

SAE Members’ Owned Businesses and Companies; Their Roles, activities, and participation in the future rebuilding of Afghanistan.



Mohammad Jan Mehrzai, SAE Corporation Committee Chairperson

Grano Hamkarano Salamuno, Khush Hamadid, Greetings to all Members and Affiliates.

The SAE Corporation Committee is focused on bringing member businesses together to provide guidance and address the challenges facing the rebuilding efforts in Afghanistan. Rebuilding a nation requires well executed projects by a myriad of skillsets and companies. For a project to be successful, a well planned contract, scope, conceptual design, budget and schedule is necessary.

Performance parameters for resources, quality, risks and safety must also be established and understood by each stakeholder. These project building blocks are defined by consultants. Usually (but not always) another team is mobilized to execute the detail engineering, design, procurement, construction, training, startup and commissioning for the project and the end users of the new facility. This is typically the role of a design/build corporation.

After years of coordination, training and support from the international community and international design/build corporations, local Afghan companies were not only winning contracts but also beginning to

understand this process and the importance of making sure these project building blocks are in place before picking up the shovel. These companies were on their way towards fueling the economic engine of the country by means of job creation, project execution efficiency and localized manufacturing and materials deliveries. Now, these companies are in a state of limbo, with many shutting down or in

the process of reducing to a core existence.

With the sanctions and new security threats, the new administration in Kabul appears disarrayed and likely, through desperation, enter into agreements which will revert to the early 2000's when rebuilding efforts were predominantly sourced and executed by international companies in an open playing field. This will result, once again in high levels of corruption, substandard quality, destruction of the environment and either the deliberate or inadvertent sidelining of local companies and locally sourced materials. The same frustrated indigenous population which helped bring the current regime into power may take them out if enough of the same resentment builds.

Though emotions are elevated, and pessimism increases about the future, I would like to remain hopeful. I believe eventually, whether in 2 or 25 years, and with the grace of God, some sort of equilibrium will eventually take hold in Afghanistan.

The SAE Corporation Committee would therefore like to build on this hope. As the narrative for the next chapter in Afghanistan's history becomes more clear, the committee will use this time to build a focused team to answer 1) what we have now and 2) what can we do from here. For example, here are questions which might help answer this:

1. Can we execute a design/build project in the US as a team building exercise?
2. Can we develop a common set of contract guidelines and project execution standards?
3. Can we organize a searchable database of members containing a repository for our members and organizations?
4. Can we create an automated match making forum, which ties a member to an opportunity?

Though I mentioned in my opening remarks the importance of project building blocks, ultimately the success or failure of every single project I've worked on depends on the team and the will of those team members to come together. So let's use this time of uncertainty in Afghanistan to create certainty amongst ourselves with a cohesive team. Let's start by answering the two questions: what do we have now? And what can we do from here?

As a first step, a questionnaire will be sent out to members and affiliates to provide a summary of your organization, resources you may be able to commit (time, funds, staff, tools, etc.) and your answer to what we can do from here? Once this data is assembled and your interest confirmed, an agenda with an invite will be sent for your attendance at a joint conference to take us to the next step.

Concluding Remarks- Conclusion of SAE Zoom Meeting

Thank you everyone for attending this wonderful meeting from all over the world. A special thanks to those honorable members who attended from Afghanistan and stayed up this late. I wish you all a wonderful rest of the day or night. Thank you,

Hamayon Ibrahim

List of Attendees

MK manan khalid (Host, me)			Hadya Waqfi			MS Mariam Stanekzai			
FK Farid Kazi			Hafizullah Wardak				Mariam Tjk		
H HamayonIbrahim			HASHEM BALUCH				Mehdi Sabet		
R rkg			Jalal Masumi			M MIM			
17035934879			Jeffrey Grieco				Mirwais RAHIMI		
AH Abdul Hassani			Kabir Mohseni			MJ Mohammad Jan Mehrzai			
AR Abdul Rakin			M. Saleh Keshawarz			MM Mustafa Mahmoozada			
	Ahmad shafiq Naderi		Mahdi Bigzad(Kabul)			N NAIMI			
AW Ahmad Wali Shairzay			Mariam Stanekzai			NP Najib Poya			
A Amanullah Mommandi			Mariam Tjk			N nnoori			
A Amin Mahmood			Mehdi Sabet			S Saboor Rahim			
A Atiqullah			MIM			S Samizay			
AH Ayaz Hosham			Mirwais RAHIMI			SH Sharif Hossainy			
B bkazimee			Mohammad Jan Mehrzai			SI Shmaly's iPhone			
EC Edward Corcoran			Mustafa Mahmoozada				Tamim Atayee		
	Ghulam Feda		NAIMI			T tower			
GM Ghulam... Ask to Unmute More >			Najib Poya				Wazma Wardak Hassan		
GS Gul Saleh			nnoori			Y ytaraky@gmail.com			
S Habiby AEA CEO			Saboor Rahim			ZB Zarjon Baha			
	Hadya Waqfi		Samizay			zabih zaca			
			Sharif Hossainy						

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 quality 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 December 9, 2021

MEHDI S. SABET, aia, ncarb

<https://msabet.weebly.com/>

Professor Mehdi S. Sabet attained his Bachelor of Fine Arts and Environmental Design from Parsons School of Design and the New School for Social Research, New York in 1976; and his Master's Degree in Architecture from Virginia Polytechnic Institute, Va. in 1978. He is currently a full time associate professor of design at Zayed University teaching at College of Arts and Creative Enterprises.



Professor Sabet is a member of the NCARB and AIA, and a licensed and a registered architect (RA) in the State of New York. Having over 20 years of architectural and interior design practice experience in the United States and the Middle East, he has worked in the offices of Marcel Breuer Associates, Swanke Hayden Connell Architects, and the Phillips Group in New York City. He has also collaborated, as a managing director, with Muse Architects and Planners in New York City.

Throughout his career, Professor Sabet, in-parallel with his professional practice, has maintained his academic association with numerous universities in the USA and Lebanon. After three years of practicing architecture and interior design in the United Arab Emirates, in 1998 he joined the American University of Sharjah, School of Architecture & Design as a full-time associate professor. In 2008 he took a semester off from academia to work with Nakheel/Palm Deira as a senior design manager to work on various planning and architectural projects and was actively involved in the evaluation process of international competitions for many high-profile projects that are destined to be part of Nakheel's Palm Deira, Dubai development.

ED CORCORAN, PhD.

(Please click the link below for more information.)

Edward Corcoran has over 50 years' experience with national security issues. Since the US invasion of Iraq in 2003, Ed has focused on promoting a more comprehensive National Strategy. He has been working as a Senior Fellow at GlobalSecurity.org, responsible for analysis and evaluation of contemporary national security issues, regularly posting commentary on both the GlobalSecurity.org [Sitrep](#) and on [Huffington Post](#). Ed has also provided strategic analysis for the Federation of American Scientists and was very involved with the [Project on National Security Reform](#), particularly its Vision Working Group. During this time Ed also published [Threats and Challenges: Strategies in a New Century](#), addressing the full spectrum of challenges facing the nation.



Because of its central position in current strategic activities, Ed put a particular emphasis on operations in Afghanistan. Supporting this, he has been an active member of the Afghan-American Chamber of Commerce, promoting a range of economic projects including a broad agricultural development effort, an energy storage system for the Kabul electricity company, and promotion of biodiesel production. Ed is also a board member of Afghan Education for a Better Tomorrow which is heavily involved in developing eLearning, eMedicine and eLibrary programs in Afghanistan.

In 1992, Ed was a founding partner of Industrial Efficiency, Inc.(IEI), which set up a subordinate company, Centech Energy Marketing and Consulting, Ltd., in Budapest, Hungary. Ed served as Centech's Managing Director for ten years, providing energy efficiency consulting services to major industrial companies as well as project development services to municipalities. This involved extensive international contacts and work with the US Agency for International Development. During this time Ed was an active member of the American Chamber of Commerce in Budapest.

Prior to working with Centech, Ed had extensive consulting experience with the US Department of Energy, providing security training and serving as a core member of the Secretary's Safeguards and Security Task Force which evaluated overall security throughout the DOE complex. He also served as the Rapporteur of the Common Security Programme (Oxford, England), working with European colleagues on overall assessments of European defense issues.

Ed spent 21 years in the US Army, retiring as a Lieutenant Colonel in 1982, primarily as a Soviet Area Specialist. At Headquarters, US Army Europe, he was responsible for comprehensive politico-military assessments of the European theater and then served as a Liaison Officer to the Soviet Commander-in-Chief in East Germany. His final assignment was as a Strategic Analyst at the Strategic Studies Institute of the US Army War College, essentially an in-house think tank providing the Army General Staff comprehensive assessments of contemporary national security issues. He was also a frequent lecturer at educational and professional meetings. Earlier, as a logistic officer, Ed supervised supply operations at division and depot level and worked with civilian authorities in Korea and Viet Nam.

Ed has a Ph.D. in Comparative Government from Columbia University and a bachelor's degree in Chemical Engineering from Rensselaer Polytechnic Institute. He is a graduate of the US Army Command and General Staff Associate Course. He speaks conversational Russian and French and has a basic knowledge of Serbo-Croatian, Hungarian and German. Ed resides in Lakewood, Colorado.

PERSONAL DATA

Date and place of birth: May 3, 1939; New York City. Married; five married children

CIVILIAN EDUCATION

Ph.D., Columbia University, 1977 (Comparative Government). Certificate, Russian Institute, Columbia University, 1967. M.A., Columbia University, 1967 (Russian Literature). B.Ch.E., Rensselaer Polytechnic Institute, 1961 (Chemical Engineering). B.A., Washington and Lee University, 1960 (French)

MILITARY EDUCATION

Command and General Staff Associate Course, 1970. US Army Russian Institute, 1967-1969 (Soviet Area Studies). National Security Management, 1968. Ordnance Officer Advanced Course, 1965. Nuclear Weapons Officer Course, 1963. Missile Site Security Course, 1963. Psychological Operations Officer Course, 1962. Air Defense Officer Basic Course, 1962

Awards: Legion of Merit (1982). Bronze Star (1970). Meritorious Service Medal (1974, 1977)

LANGUAGE QUALIFICATIONS

Russian – Formerly fluent, but little use in 40 years. French – Formerly fluent; little use in 40 years. Hungarian – Conversational. Croatian – Conversational. German – Basic

Abraham Baha, Principal

Geotechnical Solution, Irvine California

Kabul University, Faculty of Engineering

Principal at Geotechnical Solutions, March 1992 – Present
Overall management and marketing. Design and review plans and reports

Office Manager, Soil International, December 1980 – March 1993

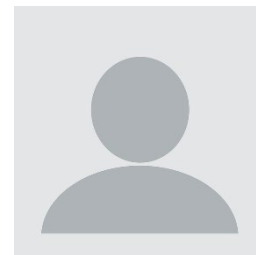
President, Banai Construction Co., Afghanistan

May 1974 – December 1977



Sahar Mahmood

Urban Planner



Personal Objective

Managing work hard to achieve the goals in effective and efficient manners Through collective effort according to the organization goals and requirement, working for My parents, nation, humanity and which leads toward success besides I think success is in Working for humanity thus, we are from the people and we must be from the people.

Professional Experience

Internship in Ministry of Urban Development and Housing (MUDH) from 30/12/2020 up to 01/07/2021

Internship in Beautification Directorate of Kabul Municipality from 25/08/2020 up to 25/11/2020

Education Background

- Senior Bachelor from Urban Planning Department, Construction Faculty of Kabul Polytechnic University in 2021.
- Certificate in ESP(Engineering) from Kabul Polytechnic University (ELCLC) in 2021.
- Attending to Women Mentoring Program in Kabul Polytechnic University in 2021.
- Certificate in SketchUp from Kabul Polytechnic University in 2020.
- Certificate in Revit Architecture from Kabul Polytechnic University in 2020.
- Certificate in GIS from Kabul Polytechnic university in 2020.
- Certificate in AutoCAD from Kabul Polytechnic University in 2020.
- Graduated from Malika Soraya High School 2016.
- Certificate in DEL from Nazar Zalmay Academic Center in 2014.

Research & Publication

- Research and write an essay about Urbanism in Afghanistan's cities.

Association & Organization

- Member of Generation Positive Organization from 13/06/2020 up to now.
- Member of Debate Club Program related to Afghans for Progressive Thinking (APT) from 01/05/2020 up to now.
- Member of Association of Urbanists of Afghanistan from 27/03/2020 up to now.
- Member of Afghanistan Urban Development & Architecture Association (AUDAA) from 16/01/2020 up to now.

Computer Skills

Microsoft Office (Word, Excel, Power Point). Internet, and other related Programs. AutoCAD. Revit Architecture. Google SketchUp. GIS. Photoshop

Personal Information:

Place of birth: Kabul - Afghanistan

Language Abilities Dari Pashto English Urdu

Wazma Wardak Hassan

CEO and President of Afghan Americans of New York

CEO and President of Afghan Americans of New York, a 501c3 created with the mission to unite the Afghan Community here in NY. We are here to support SAE and look forward to assist in any way we can.

BS in Electrical Engineering from Wichita State University, Kansas.
Active helping the Afghan, Muslims, and American -Asian Community of New York.



Mushtaq Abdulrahimzai

Completed his Bachelor in Civil Engineering from Shaikh Zayed University in 2006; and his Master's Degree in Business Administration from Bakhtar University, Kabul. in 2021.



Mr. Abdulrahimzai is PMP certified and member of PMI, ASCE and EGBC for P. Eng, at the same time he completed first evaluation for PgMP now working with PMI on my 2nd evaluation and exam.

Mr. Abdulrahimzai has more than 14 years' experience during this period he worked with different national and international companies, and some large-scale projects worked as PM and PMO for Kajaki Dam Unit 2 Project, he worked as project manager for Shah Wa Aros Dam Project, Kandahar 15 MW Solar Project, Naghlu 24MW Floating PV Solar Project and Balkh 24 MW solar PV project.

Currently he is in British Columbia, Canada and working on his P. Eng license.

Society of Afghan Engineers (SAE) Membership Fees-2021 USD**Active Members**

No	Last Name	First Name	2020			2021		
			Membership	Donation	Total	Membership	Donation	Total
1	Afroz	yusuf	60	0	60	0	0	0
2	Afshar	Reza M.	60	40	100	60	40	100
3	Arghand	Moheb	60	0	60	0	0	0
4	Azadzoi	Najim	60	0	60	60	140	200
5	Babacarkhial	Abdul Nazeer	180		180			0
6	Baha	Zarjan	180	20	200	120	0	120
7	Baluch	Hashem	120		120	60	0	60
8	Ebadi	Yar M.	60	0	60	60	40	100
9	Ghani	Aziz	60	0	60	60	140	200
10	Hamid	Shapoor	60	0	60			0
11	Hashemyan	Sayed	60	0	60			0
12	Hassani	Abdul Waheed	60	0	60	60	0	60
13	Hossainy	Said Sharif	60	20	80	60	40	100
14	Ibrahim	M. Hamayon				60	0	60
15	Kazimee	Bashir	60	0	60	60	40	100
16	Kazimi	Najib M.	60	0	60			0
17	Keshawarz	Saleh	60	0	60	120		120
18	Khalid	Manan	60	40	100	60	40	100
19	Ludin	Rafat	120	30	150	60	90	150
20	Mahmood	Amin	60	40	100	60	40	100
21	Masumi	Jalal	60	40	100	60	40	100
22	Mohabbat	Yar M.	60	0	60			0
23	Mommandi	Amanullah	60	40	100	60	0	60
24	Mujtaba	Ghulam	60	140	200	60	140	200
25	Mujtaba	Bahaudin	60	40	100	60	40	100
26	Naderi	Hamid	60	0	60			0
27	Naim	Wahid	60	0	60			0
28	Noori	Nader	60	0	60			0
29	Noorzad	Abdullah	60	0	60	60	0	60
30	Panjshiri	Atiq	60	0	60	60	0	60
31	Paya	Najib M.	60	200	260	60	200	260

A QUARTERLY UPDATE FROM THE SOCIETY OF AFGHAN ENGINEERS

No	Last Name	First Name	2020			2021		
			Membership	Donation	Total	Membership	Donation	Total
32	Poya	Omar	60	0	60			0
33	Rahim	Abdul Saboor	120	0	120			0
34	Rakin	Hadi	120	0	120	120	0	120
35	Rayek	Hashim	60	0	60			0
36	Rossi	Steve	60	60	120	60	200	260
37	Saleh	Gul Afghan	60	40	100	60	40	100
38	Samizay	Mahmoud	120	0	120	60	40	100
39	Sarwari	Sabir M.	180	0	180			0
40	Sattari	Masood	60	0	60			0
41	Sayed	Matin	60	0	60			0
42	Sekander	Timor	60	0	60			0
43	Shekib	Sohaila	60	60	120			0
44	Shirzay	Ahmad Wali	240	10	250			0
45	Sidiqi	Nadir	60	60	120			0
46	Wardak	Hafizullah	120	0	120	60	0	60
47	Yamayee	Zia	60	200	260	60	200	260
48	Zaca	Zabiullah	60	40	100	60	40	100
Subtotal			\$3,720	\$1,120	\$4,840	\$1,860	\$1,550	\$3,410

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

A QUARTERLY UPDATE FROM THE SOCIETY OF AFGHAN ENGINEERS

No	2021 New Members		Membership	Donation	Total
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		
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

SAE New Mailing Address

The SAE president, Najim Azadzoï, 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
6265 Franconia Road
Alexandria, VA 22310**

Note: The SAE Post Office Box address is not use anymore.

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

Achievements and Awards

Wazma Wardak Hassan Recognized by US Senator Charles E Schumer

A member of the Society of Afghan Engineers (SAE) , Mrs. Wazma Wardak Hassan, has been recognized by the Honorable US Senator Charles Schumer. Wazma Wardak Hassan is the founder of the Afghan American of New York (AANY), she has been very active with the assistance of helping the incoming Afghan refugees. Recently she had a function for the resettlement of the Afghan refugees in New York , where many respected members of the afghan community as well as local and state public officials attended. Among the honored guests the Honorable Senator Charles Schumer attended the function and congratulated Mrs. Wazma Wardak Hassan and her team for their wonderful work helping the newly arriving Afghan Refugees to the State of New York.



SAE congratulates Mrs. Wazma Wardak Hassan for her wonderful work helping the Afghan Refugee and Afghan American of New York.

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.

Habib Rahmat

(Friday Oct 1,2021)

Thanks for your mail .

SAE serves most efficiently for oppressed Afghans at this crucial juncture of time.

Editor Response:

(October 1, 2021)

Rahmat Sahib,

CC: Najim Azadzoi, Manan Khalid, Abdul Wahid Hassani

Thank you for your comment. Your input is always appreciated.

regards

Hafizullah Wardak

Editor-in-Chief SAE eNewsletter

Amanullah Mommandi

(Fri Oct 1, 2021)

to Manan, Abdul, Ghulam, Najim, Mahmoud, ZABIHULLAH, Abdul, Jalal, Masood, me

Dear Wardak Sahib and Editorial Board

I read the whole eNewspaper today. I really enjoyed it a lot and refreshed some old memories. Thank you for the hard work publishing the eNewsletter on time . It is a good reflection of SAE activities and provides a unique technical bond among the Afghans technical professionals.

Best regards.

Mommandi

Editor Response

(Oct 1, 2021)

to Amanullah, Najim, Manan, Abdul

Dear Mommandi Sahib ,

On behalf of the Editorial Board of the eNewsletter thank you for your comments. Your input and comments are always welcomed, we need input and support from members for the success of SAE.

With regards

Hafizullah Wardak

Editor-in-Chief of the SAE eNewsletter

On Fri, Oct 1, 2021 at 6:31 PM nadir sidiqi <nadirsidiqi@yahoo.com> wrote:

Muhtaram Eng. Sahib Wardak: Assalam Alaikum

Congratulations! on 10-year SAE e-Newsletter celebration. Thank you for all the hard work as well as other SAE respected colleagues.

I really learn and enjoy your beautiful Editor's Note "A Successful Team" as well as other colleagues especially Dr. Sahib Baha for his very useful article "The Progress of Information & Communication Technologies (ICTs) and Electronic Learning in Afghanistan".

I had a great opportunity to meet him at the 2005 (December) Conference which was organized by SAE/SAAE and held at Kabul University. We hope to do as one team to keep the fields with maximum crops production, roads improvement, educational facilities, and better building/hospital, in our beloved Afghanistan. Once again, my sincere gratitude to you as well as SAE colleagues for the beautiful and informative SAE e-Newsletter to benefit the readers within the country as well as abroad.

P.S. Also please find the attached BNHC E-Magazine for the month of October edition in this email.

Best regards,

Nadir Sidiqi

Editor Response:
(October 1, 2021)
to nadir

CC: Najim Azadzoi, Manan Khalid, Abdul Wahid Hassani

Dear Doctor Sahib Sidiqi Salaam

On behalf of the Editorial Board of the eNewsletter, thank you for your comments. Your valuable comments and input are always welcomed. Your input brings synergy to the SAE eNewsletter Editorial Board to move forward with

confidence and together make SAE a successful team. I appreciate your comments on the editor note, and the paper of Dr B Baha of the October issue and thank you for sending a copy of your BNHC E-Magazine. Rest assured I will read it with great interest, the contents of it are my area of interest and daily supplements.

With regards

Hafizullah Wardak

Editor-in-Chief SAE eNewsletter

Muhtaram Eng. Sahib Wardak:

(October 3, 2021)

Thank you very much for the kind response, coordination, and also I would like to extend my sincere gratitude to respected Dr. Sahib Baha for his kind words, sharp memory (MashaAllah still remember my Afghan Landai) as well as to other respected colleagues in this email.

We ask Almighty Allah to grant us the ability to learn more and share the wealth of knowledge for the benefit of our beloved Afghanistan. Likewise, Dr. Sahib Baha, I would be extremely delighted to see you again as well as other colleagues in the future InShaAllah.

Best regards

Nadir Sidiqi

Najim Azadzoi

(October 1, 2021)

Salam Ustad

Congratulations, great job well done.

I browsed through quickly and it looks fantastic.

I will post it on the website too.

Yours,

Society of Afghan Engineers

6265 Franconia Road

Alexandria, VA 22310, USA

www.afghanengineers.org

A QUARTERLY UPDATE FROM THE SOCIETY OF AFGHAN ENGINEERS

Najim Azadzoï, AIA, President

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

Editor Response:

(October 1, 2021)

Editor Response:

Azadzoï Sahib WS

CC: Manan Khalid, Abdul Wahid Hassani

Thank you for your comment. The editorial Board, including yourself, worked hard and published the eNewsletter on time.

Thank you everyone for their efforts.

Regards

Hafizullah Wardak

Bahawodin Baha

To: Hafizullah Wardak

Cc: nadir, Najim, Abdul, Manan

Dear Ustad mohtram,

Many thanks for your feedback and valuable comments. I am sincerely delighted to witness that this Afghan Engineering Association is following the international natural path which is lead by professional colleagues who have backgrounds in academia, industry, governmental organizations, and private enterprises.

I hope we will try to transfer knowledge and skills in our own subject disciplines to our higher education and other institutions in Afghanistan.

Dear Dr. Sidiqi, I was extremely pleased to meet at Kabul University in 2005 and I will never forget your entertaining speech which you started by a lovely Afghan song (landai). I am glad that you are well, and I be delighted to see you again.

With best wishes,

Bahawodin

Editor in Chief response:

To: Bahawodin, Najim, Manan, Abdul, nadir

A QUARTERLY UPDATE FROM THE SOCIETY OF AFGHAN ENGINEERS

Mohtarem Doctor Sahib Baha Salaam

On behalf of the Editorial Board of the eNewsletter, thank you for your valuable comments. Your technical paper in the October issue of SAE eNewsletter is well received and we thank you for supporting SAE with your technical expertise. We welcome technical papers and input from the readers, and please continue your contribution with more technical papers in the future. I concur with you that publication of such technical papers can add and increase technical knowledge of our engineering community.

Thank you again for your technical paper (The Progress of Information & Communication Technologies (ICTs) and Electronic Learning in Afghanistan) and your valuable comments.

Hafizullah Wardak

Editor -in-Chief of SAE eNewsletter

Sharif Hossainy

Sat, Oct 9, 8:09 PM

Dear Ustad Mohtaram Eng. Saheb Hafizullah Wardak, Editor-In-Chief SAE eNewsletter
Asallam-o-Alaikom,

I acknowledge receiving your email, regarding the fourth quarterly issue of the 2021 SAE eNewsletter.

Thank you and all Editorial Board members for kind efforts and volunteering.
I wish you all good health, prosperity and happiness.

Best Regards

Dr. Said Sharif HOSSAINY

E-mail: sharifhossainy@hotmail.com

Tel: + 604 477 1232

iPhone + (778) 840 8280 (WhatsApp)

Editor in Chief Response

9:52 AM October 12-2021)

to Mohtarem Dr. Said Sharif HOSSAINY

CC: Najim, Manan, Abdul, Sharif

Mohtarem Hossainy Sahib Salaam

Thank you for your comment. The Editorial Board is happy that you received the October eNewsletter.

Regards

Page | 70

A QUARTERLY UPDATE FROM THE SOCIETY OF AFGHAN ENGINEERS

Hafizullah Wardak

Editor-in-Chief

From: Kazimee, Bashir A <bkazimee@wsu.edu>

Sent: Tuesday, October 12, 2021 10:42 AM

To: hwardak@comcast.net; 'Najim Azadzoi' <azadarch@aol.com>

Subject: Re: SAE REPRESENTATIVE IN AFGHANISTAN

Dear Wardak Saahib, Salaam:

Hope all is well.

I have received your newsletter and went over it. It looks great; I want to congratulate you and your editorial committee for your hard work and doing an excellent job on it. "

Bashir Kazimee, AIA

Professor emeritus

Washington State University

Editor in Chief Response

To: Kazimee, Bashir A

CC: Najim, Manan, Abdul

Dear Kazimee Sahib Walaikum Salaam

Tue 10/12/2021 1:40 PM

Thank you for your feedback on the October issue of SAE eNewsletter. Please continue your feedback and provide us with advice for improving the newsletter.

I have copied members of the Editorial Board with this email.

Thank you again and please be safe and good health

Hafizullah Wardak

Editor-in-Chief SAE newsletter

The 2021 SAE Membership Renewal

Dear Members of the Society:

The Management of the Society of Afghan Engineers (SAE) would like to remind all members that 2021 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. Azadzoi, 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: Ghulam Mujtaba, E-Mail: mujtabaghulam@bellsouth.net; A. Wahed Hassani, Email: awhassani@gmail.com; A. Manan Khalid, E-Mail: manank10@gmail.com; and Hafizullah Wardak, Email: hwardak@comcast.net

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
6265 Franconia Road Alexandria, VA 22310

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

Thanks for their generosity.

Engineering Job opportunities

The following positions are available at Planate Management Group

Program Analyst (Palo Alto, CA)

Structural Inspector (Kwajalein Atoll, Marshall Islands)

Master Electrician Kwajalein Atoll, Marshall Islands)

Facility Maintenance Coordinator (Annapolis, Maryland)

Registered Architect (Orlando)

Junior Mechanical Engineer (Orlando)

Lead Electrical Engineer (Orlando)

Master Plumber (Pittsburg)

Project Manager (Gulfport, MS)

Quality Manager (Gulfport, MS)

Quality Control Specialist (Gulfport, MS)

On-Site Supervisor (Gulfport, MS)

Site Safety and Health Officer (Gulfport, MS)

Various Positions for the US Embassy in San Salvador, El Salvador

Various Positions for Camp Lejeune, NC

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

Daisy Villena, SHRM- PMQ

Recruitment Manager

Planate Management Group

1800 Diagonal Road, Suite 600

Alexandria, VA 22314

daisy.villena@planate.com

(Telephone Number) +1-703-8791-740

(US Toll Free) +1-800-543-1989 ext 1

www.planate.com



A Service-Disabled Veteran-Owned Small Business (SDVOSB)

THE SOCIETY OF AFGHAN ENGINEERS ORGANIZATION

SAE E-Executive Committee Members: **President:** Najim Azadzoi **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.

SAE Local Chapter Coordinators: A. Hamid Layan – Kabul, Afghanistan; M. Qaseem Naimi – Toronto, Canada; Najim Azadzoi – 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:

Subscribe/Unsubscribe: The subscription to the SAE eNewsletter is free. If you are not receiving the SAE eNewsletter directly and would like to subscribe, please send a note to: hwardak@comcast.net with the subject “Subscribe: SAE eNewsletter”. To unsubscribe, send a note with the subject “Unsubscribe: SAE eNewsletter”.

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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

6265 Franconia Road

Alexandria, VA 22310

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

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: _____

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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

6265 Franconia Road

Alexandria, VA 22310

USA

Website: www.afghanengineers.org