



SOCIETY OF AFGHAN ENGINEERS

QUARTERLY
eNEWSLETTER



CELEBRATING
12 YEARS OF
CONTINUOUS
SUCCESSFUL
PUBLICATION

SAE eNEWSLETTER

VOLUME 13, ISSUE 4

MEEZAN 1402

OCTOBER 2023

SAE MISSION

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



SAE eNEWSLETTER

Volume 13, Issue 4

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October 1, 2023

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Note from the Acting Editor-in-Chief, SAE eNewsletter

Dear Readers of SAE eNewsletter

October 2023

As the acting Editor-in-Chief of the SAE Electronic-Newsletter, I am pleased to present to you the October 2023 issue of the historical SAE eNewsletter. Since July 2023, I was honored to take the responsibility of designing, preparing and publishing the SAE eNewsletter. I am thankful for the help and support of our two members of the SAE eNewsletter editorial board, Ustad Abdul Hassani and Ustad Manan Khalid.

The first issue of the SAE eNewsletter was published in January 2011 under the guidance and supervision of Ustad Mujtaba Khan. Since January 2011, SAE eNewsletters were published quarterly and non-interrupted. Ustad Mujtaba Khan was responsible for designing, preparing, and publishing forty-three (43) consecutive issues of the SAE eNewsletter until July, 2021. The SAE community honor and appreciate Ustad Mujtaba Khan's hard work and dedication to the continuous publication of the SAE eNewsletter during the eleven years, since 2011.

In July 2021, Ustad Mujtaba Khan resigned from his post as the SAE eNewsletter Editor-in-Chief due to health reason. I requested Ustad Hafizullah Wardak to take the responsibilities of publishing the SAE eNewsletter and he graciously accepted my invitation. Ustad Wardak diligently worked hard to continue the publication of the newsletter after July, 2021. Ustad Hafizullah Wardak designed, prepared, and published the SAE quarterly eNewsletter since October, 2021. He designed, prepared and published seven (7) consecutive issues of the SAE eNewsletter until April, 2023. In April 2023, Ustad Hafizullah Wardak resigned from his post as the SAE eNewsletter Editor-in-Chief due to his other professional commitments. The editorial board of the SAE eNewsletter requested me to take the responsibility of an Acting Editor-in-Chief and I am honored to produce the last two issues of the SAE eNewsletter.

Najim M. Azadzoi, AIA

Acting Editor-in-Chief/SAE President

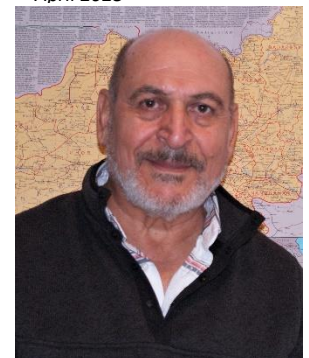
With Regards,



Mujtaba Khan, SAE Editor-in-Chief, January 2011-July 2021



Hafizullah Wardak, SAE Editor-in-Chief, July 2021-April 2023



Najim Azadzoi, SAE Acting Editor-in-Chief, July 2023-January 2023

SAE Society of Afghan Engineers

Message From the President of SAE

Members of the Society of Afghan Engineers

October, 2023

It was a privilege for me to serve as the President of this noble organization since January 1, 2021. I enjoyed working with each one of you during this time and we together have accomplished a lot.



In January 2021 upon my election as the President of the Society, I traveled to Virginia to meet with our outgoing president, Mr. Atiq Panjshiri and other colleagues for the transfer of the SAE documents to the new administration. It was the beginning of Covid-19 surge and also a day of rioting in the Capital. I was not able to meet with all of our colleagues, but I was fortunate to meet with our outgoing president, Mr. **Atiq Panjshiri** and the newly appointed Treasurer, **Mr. Mahmoud Samizay**. I am thankful to Mr. Panjshiri for the successful transfer of SAE documents to the new administration. Mr. Mahmoud Samizay went with us to the SAE bank, Truists, and we transferred the SAE account to a new SAE account. I also requested **Mr. Hamayon Ibrahim** to be the Vice President of the Society and he graciously accepted and proved to be one of top collaborator. Since January 2021 SAE has achieved several milestones.

Membership in the SAE: Membership in the SAE was very low. Several new members join the Society and others who left the Society returned back. With the help of active SAE members invitations were sent to Afghan engineers and architects around the globe. Currently, SAE has around 80 active members, including some 30 plus members from Afghanistan. SAE friends and colleagues counts over 200 in our list. The SAE global email listing is over 1,000 email addresses.

SAE Committees and Subcommittees:

- I started building up and re-establishing SAE's committees and subcommittees. My sincere thanks and appreciations to Mr. **Rafaat Ludin** who accepted my request for the subcommittee of SAE/Afghan Government Agencies Liaison Chairperson position. Mr. Ludin's contribution to the Society was invaluable. He drafted a one-year plan and a 3-years strategic plans for the SAE and traveled to Afghanistan and met with several Afghan government agencies and signed and drafted several MOUs and agreements in early 2021.
- Many thanks and appreciation also go to Professor **Bashir Kazimee** who accepted to serve as the Chairperson of SAE-Subcommittee of Architecture and Urban Planning. Mr. Kazimee's team included architects such as Prof. Rafi Samizay, Prof. Reinhard Goethert, Prof. Mehdi Sabet, and Ms. Tooba Rooshan. The Bamiyan International Students Housing Competition team, headed by Professor Bashir Kazimee completed successfully and became one of the most outstanding educational projects of SAE.
- **Ustad Amin Mahmood**, a prominent member of the Society joined me as the Chairperson of Students committee and made tremendous contribution to Society online education

activities. Mr. Mahmood designed several pilot projects for implementation in Afghanistan. He traveled on his own to Afghanistan and lectured at several universities in Afghanistan. I commend him for his hard work, determination and contribution to Afghan engineers' education in Afghanistan.

- **Ms. Donya Amiri** joined the Society and accepted my request to be the Chairperson of the SAE Membership Committee. Ms. Amiri proved to be one of the stars of the Society by making tremendous contribution to the Society's activities. The SAE website was outdated and was not functional. Donya offered to design and build a new website for the Society and she completed the task with the help of several other SAE members such as Ludin Sahib, Kazimee Sahib, Reinhard, and Hamayon. Thank you Donya Jaan for your excellent contributions to the Society.
- **Jan Mehrzai** was appointed as the SAE Corporation Committee Chairperson. He drafted a strategic plan but due to his professional commitments the plan was not finalized.
- **Wali Shairzay** was appointed as the Capacity Building and Academic Development Subcommittee Chairperson. Due to his health reason and other commitments, we have not received his plan activities.
- **Water Resources Subcommittee** was activated under the direction of Mr. Hadi Rakin.

SAE eNewsletter: During the first year of my service in 2021, **Ustad Mujtaba Khan**, SAE Editor-in-Chief, resigned from his position due to health reason. Ustad Mujtaba Khan served as the SAE Electronic Subcommittee Chairperson since 2011 and produced the quarterly SAE eNewsletter for over 11 years. We thank him for his outstanding contribution to the SAE Publication Committee. Upon Mr. Mujtaba Khan's resignation, I requested Ustad **Hafizullah Wardak** to take over the responsibility of publishing the SAE eNewsletter and he was responsible for designing and producing the SAE eNewsletter starting in July, 2021. Unfortunately, Ustad Wardak also resigned from this post due to pursuing his other professional activities in April 2023. Since then, I had the honor of being the acting SAE Editor-in-Chief and I am responsible for publishing the July 2023 and October 2023 SAE Newsletter, with the help of Ustad Hassani Sahib and Manan Khalid

SAE Annual General Assemblies: Aside from numerous zoom meetings by the Board of Directors and the Executives, SAE successfully held the **Annual General Assembly meetings** each year. Due to Covid-19 restriction, all three meetings were held virtual and a large number of SAE members and Colleagues attended these meeting.

SAE Fundraising: SAE successfully completed three major **Fund Raising** since January 2021. The first fund raising for to help and support of the displaced families in Kabul and Kandahar in the summer of 2021. For the Bamiyan project SAE raised enough fund to support the participant students in the competition from Polytechnic University in Kabul, Kabul University, and Kandahar University, aside from giving cash prizes to the first three winners and six winners as Honorary Mentions. Also, during the earthquake of 2022 in Paktika, SAE raised funds and supported families affected by the earthquake in Paktika and Paktia.

SAE Election 2023 is in the process of being completed. Many thanks and appreciation to Mr. Atiq Panjshiri chairman of the election committee and four members of the election committee; Dr. Saleh Keshawarz, Mr. Qaseem Naimi, Mr. Nazir Babacarkhial, and Mr. Fayeq Fasihi. Election is one of the most important events of the Society that happens every three years.

SAE MOUs: SAE signed a Memorandum of Understanding (MOU) with **Afghan American Chamber of Commerce** in 2021. The two-organization worked together to better serve the professional and business communities in Afghanistan and outside of Afghanistan. This collaboration proved to be fruitful for the SAE.

SAE and AEBT: The Society, in collaboration with the **Afghan Education for Better Tomorrow (AEBT)**, provided online training courses on a variety of engineering topics to Universities in Afghanistan. Many thanks to Professor Sabor Rahim, Ustad Amin Mahmood, and Engineer Sahib Amanullah Mommandi for taking parts in presenting several topics.

SAE Representative in Afghanistan: Last but not the least, we would not have been able to accomplish much without the help and support of our local SAE representative in Afghanistan. I am grateful for the help and support of our first representative, **Mr. Habib Rahman Rahmat Mayar** who served from January 2021 to July 2021. During his service, he introduced the Society to several Afghan government agencies and accommodated meetings with Afghan ministries. During his service, SAE prepared a number of MOUs to be signed. We thank him for his dedication and service. Upon his resignation due to relocation of his full-time job to Badakhshan, we were fortunate to had **Mr. Walid Howaida** joined the Society as SAE representative in Afghanistan in July 2021. Since then, Mr. Howaida helped the SAE to be connected with several universities in Afghanistan including Kabul University, Polytechnic University, Kandahar, Mazar-e-Sharif, Herat, Paktia, Paktika and Bamiyan Universities. He attended conferences in these universities and spoke on behalf of the SAE. He played a key role in the Bamiyan International Students competition and his support and communication with the participants from Afghanistan were effective.

SAE Bylaws: I am honored to be able to present the Society with a draft of a **new SAE bylaws 2023** prepared by a well-known law firm, the **Goodwin Proctor LLP**. The 2015 SAE bylaws, Third Edition, needed to be updated as required by the bylaws every five years. The Board of Directors established a team from the members of the Board of Directors to review and update the 2015 bylaws in January 2021. The team/task force completed a revised updated bylaws in June 2022. In the meantime, SAE executives and Board members agreed to have an attorney review the updated 2022 bylaws for compliance and accuracy. **Goodwin Proctor LLP** offered to review the SAE bylaws on a pro-bono basis and to draft a new Bylaws for the SAE. A draft of the revised SAE Bylaws completed in September 2023. We are thankful for the service and cooperation of the Goodwin Proctor LLP. The draft of the new Bylaws 2023 will need to be reviewed by the Board of Directors and to be presented to all members for final approval.

SAE Bank Account: SAE membership fees were the only source of income plus a limited contributions by the members. Therefore, SAE bank account remained unchanged. SAE expenses included the salaries of the SAE representatives in Afghanistan, paying for the design and construction of a new website, mailbox fees, and other miscellaneous expenses.

SAE social media: Aside from the new website, SAE opened a new Facebook account which posted SAE activities and news regularly. The SAE Face account attracted over a thousand members mostly Afghan engineers and architects from Afghanistan and around the globe. Also, SAE launched a new YouTube account where videos of the society activities were published.

With Regards, Najim M. Azadzoi, AIA, SAE President

Message From the Chairman, SAE Board of Directors

Message from the Chairman, SAE Board of Directors

Dear Readers of the SAE ENewsletter

The 2023 Election has been completed awaiting the announcement of its final outcome. On September 16, we had a very successful and productive General Assembly Meeting. The message that stood out in the meeting was our role as the Society in the future of education in Afghanistan.



Education is the foundation of the future of every nation and especially our beloved country. Nelson Mandela once said “Education is the most powerful weapon which you can use to change the world”, and I strongly believe that. We went through several brain drains while the number of universities swelled to more than one hundred and fifty in our country. There is no better time than today to help the knowledge hungry future generation.

In my current job, we design and build schools. On the day the building opens, and the students walk in, nothing can replace the smile and satisfaction on their faces. The school buildings that we build are castles in comparison to the best buildings back in our country. Yet, those out there are hungry for knowledge and strive to become someone to help their families and country someday. I returned from a personal visit to Kabul recently. I visited my completely changed hometown in a northern Woloswali of Kabul province and was thrilled to see little girls in the midday’s sizzling sun on their way to school with blue backpacks apparently donated by UNICEF. There was no school in our village and I still wonder where they were going to acquire knowledge. They are the hope for the future, and it is incumbent upon us to help.

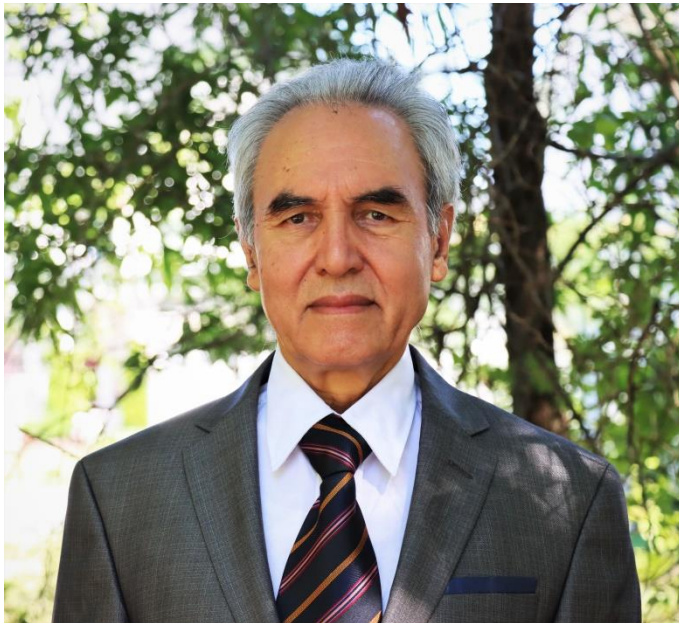
As a onetime educator, I urge all colleagues at the SAE to get involved in distant education in whatever capacity and field they can. I also urge the future administration of SAE to make this the most important task of their immediate plan.

Since there will not be another general assembly meeting during the current administration, I would like to use this opportunity to sincerely thank the directors for their trust in me and for their patience and understanding. They were ready to roll their sleeve and get to work whenever called upon. During all 36 meetings to date, we always had the quorum and plowed through and dealt with issues at hand with complete focus and sense of duty while weathering unfair criticism. This Board Members deserve a lot of gratitude, and I sincerely thank them for their service and dedication to the Society.

Sincerely,

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

Alumni Profile: Gul A. Saleh



Gul A Saleh

Dr. Gul A Saleh and his family moved to the United States in 2014 from their home country Afghanistan. Prior to his arrival in the U.S., Dr. Saleh, an engineer, worked over ten years with USAID from 2003 to 2014 and with other International agencies on many construction projects. For example, he oversaw the USAID/Afghanistan \$1 billion infrastructure that featured reconstruction of over 300 miles of

Afghanistan’s heavily land-mined highway from Kabul to the center of Taliban activity in Kandahar. This construction program not only included road construction but also

hundreds of new and rehabilitated schools and health clinics, all of which required in-person guidance and inspection. As a former USAID official recently said, “We respected Gul as a professional peer of ours, a man of demonstrated physical courage in the face of lethal situations and a patriot who loved his country and risked his life to see it develop.”

Dr. Saleh has been a key member of the American Society of Civil Engineers (ASCE) for over eight years. He is a licensed Professional Engineer (PE) with a PhD in urban planning and design, a certified Project Management Professional (PMP) and has over 35 years of professional experience. Dr. Saleh has worked and/or studied in many countries, including Japan, Egypt, Thailand, India, Germany, Pakistan, and many more.

Before moving to the U.S., Dr. Saleh worked for over 30 years with international organizations, including USAID, but also the World Food Program and United Nations Office on Drugs and Crime and the Afghan Government. He also joined the United Nations Institute for Training and Research’s (UNITAR) Hiroshima Fellowship Afghanistan program as a Fellow and climbed his way up to becoming a Mentor, helping other Fellows from Iraq and Afghanistan. During these

decades, he worked under many titles and with many organizations as he designed, developed, managed, and was consulted on countless engineering and environmental projects including much philanthropic work and humanitarian aid.

In the U.S., besides his regular work on building vital infrastructure benefiting millions of residents in the DMV area, he also continues his philanthropic and volunteer work and is currently not only a member of the ASCE, but also a Founding and Board Member of the Afghanistan Engineers' Association. He is also an Executive Director for the Society of Afghan Engineers, a U.S.-based organization and continues to serve as a volunteer U.N.-certified Trainer and Mentor for UNITAR/Afghanistan. Dr. Saleh continues his professional and personal endeavors as a Civil Engineer and an Afghan American.

Dr. Saleh and his wife Lailuma reside in Northern Virginia. Their seven children, who are completing or have completed their higher education, also reside in the area. He enjoys reading, walking, listening to music, home gardening, dining with friends and playing with his children. They would welcome hearing from their friends and colleagues at gulsaleh@gmail.com.

On behalf of the Society, I congratulate Dr. Gul Afghan Saleh for his continuous success in his professional career and his achievements.

N. Azadzoi, SAE President.



SAE Society of Afghan Engineers PO Box 151584 Alexandria, VA 22315

www.afghanengineers.org

Bamiyan Briefs: international student design competition

By: Bashir Kazimee, AIA
Professor Emeritus, Washington State University
Chairperson: SAE-Architecture and Planning Division



The Society of Afghan Engineers (SAE), Architecture and Planning Division hosted the International Student Design Competition in July 2022 to provide sustainable housing and infrastructure for the war displaced families of Bamiyan, who occupy the caves at the historically known cliffs of Bamiyan where the remains of the Statues of famous Buddha are located. The sandstone cliffs of Bamiyan are most famous for the giant 6th century Buddha statues carved out of the rock, which were destroyed in 2001. Historically, these caves on the side of the cliff were dug out by monks and used for meditation and retreat.

On behalf of the Bamiyan International Student Competition Committee, I am pleased to inform that the Bamiyan International Student Design Competition is completed and the competition proposals from around the world and the winners are publicly announced.

We have received a total of twenty-three entries from eleven universities worldwide, including three universities from Afghanistan. After thorough deliberation and evaluation of the submissions, following the "criteria for evaluation," the jury has carefully chosen the top three projects deserving of the first, second, and third prizes. Additionally, six projects have been recommended for honorable mention.

I want to express that both the competition organizer committee and the jury members were remarkably impressed with the quality, thoughtfulness, and effort that students devoted to their proposals. We want to congratulate all the winners, their selection was based on careful consideration, and quality of their proposals.

As of today, all the winners have received their cash prizes as outlined in the competition brief, along with an elegantly designed SAE Certificate of Achievement. Each certificate features a breathtaking panoramic scene of Bamiyan and has been forwarded to the respective winning teams. Furthermore, we are pleased to announce that the prizes and certificates were presented to the winners during a formal award ceremony organized by the university's advisors.

The award money is supported by the generous donations of the Kazimee Family charity Funds, Toba Roshan Education Funds and Afshar Charity funds. We want to extend our sincere gratitude to them for funding this important cause. In addition, we would like to extend our gratitude to numerous esteemed

members of the SAE for their generous contributions to the competition fund, which have greatly assisted us in achieving our funding goals.

Once again, on behalf of the Society of Afghan Engineers (SAE) and the Competition Organizing Committee, I, as well as Najim, the President of SAE, extend our heartfelt gratitude to all esteemed members of the Competition Organizing Committee. Your unwavering dedication and remarkable efforts in successfully executing such a demanding task are truly commendable.

The respected Competition Organizer Members are:

1. Najim Azadzoi: President of the Society of Afghan engineers
2. Professor Mehdi Sabet, Department of Interior Design, Zayed University, Dubai, UAE
3. Professor Rafi Rafi Samizay, School of Design and Construction, Washington State University, USA.
4. Professor Dr. Reinhard Goethert, MIT, School of Architecture, Cambridge, MA, USA
5. Eng. Donya Amiri, CEO & President, AIM Engineering Consultants Inc. California, USA.
6. Eng. Walid Hwaida, SAE representative in Kabul, Afghanistan.
7. Professor Bashir Kazimee, Chairperson: School of Design and Construction, Washington State University

Furthermore, I would like to express my profound appreciation and gratitude to the jury members for their diligent work and thoughtful evaluation in reviewing and selecting the winning projects for the Bamiyan International Student Design Competition. Your commitment has played a pivotal role in ensuring the success of this competition.

The respected Jury members are:

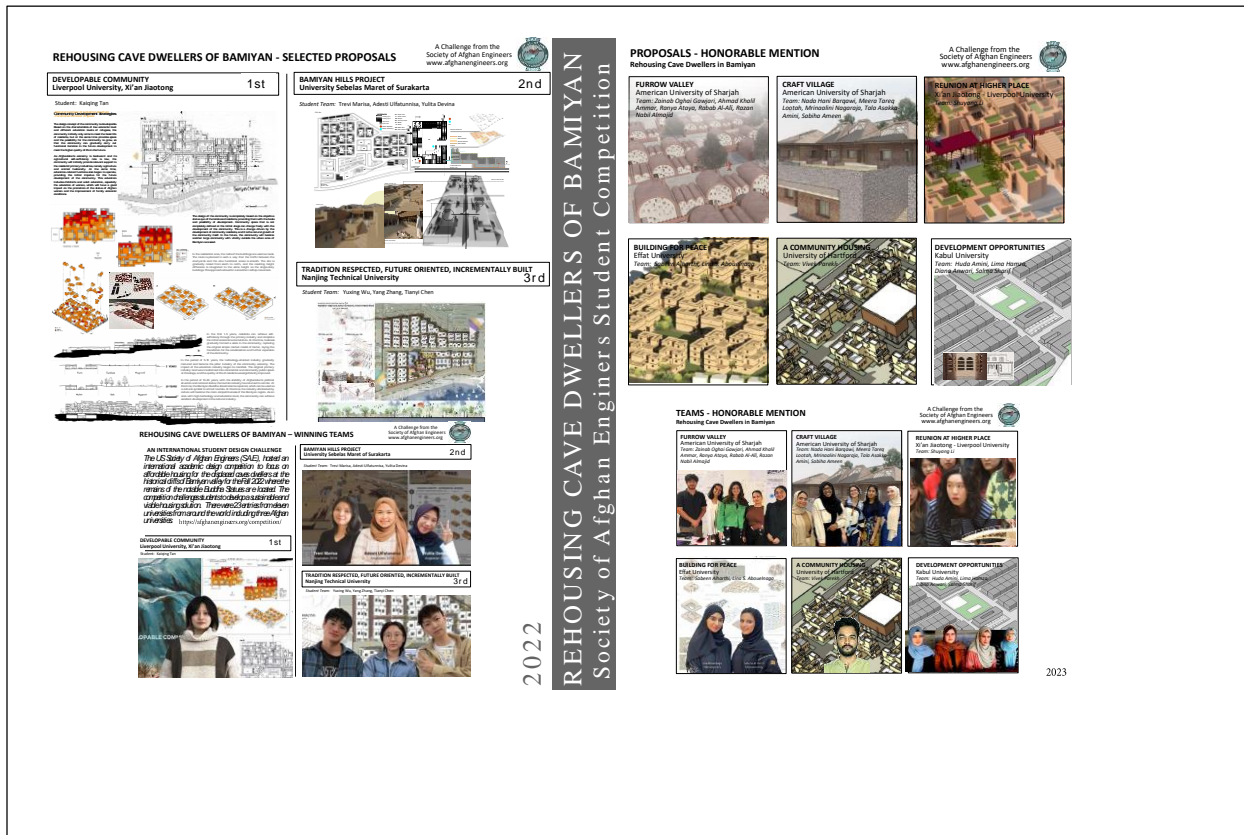
1. Dr Daniela Ottmann: Associate Professor, Centre for Comparative Construction Research, Bond University, Australia.
2. Samia Rab Kirchner, PhD: Associate Professor of Urban Design and Interim Chair, Morgan State University, Baltimore, MD, USA
3. Joseph Ashmore: *Senior Emergency Post Crisis Partnerships Specialist*, International Organization for Migration, Washington DC., USA
4. Professor Rafi Samizay, AIA: Professor Emeritus and former director, School of Architecture and Construction Management, Washington State University, USA.
5. Professor Dr. Reinhard Goethert : MIT, School of Architecture, Cambridge, MA 02139, USA

As we approach the successful conclusion of this educational project, many of you might be curious about the fate of the outcomes and the potential for implementation. Allow us to share our perspective and recommendations on this matter.

1. We recommend **for the next administration** the establishment of an **implementation task committee** to actively seek potential international and private funding sources interested in supporting this project. To achieve this, it will be necessary to craft a compelling proposal that incorporate the competition materials. These materials, including project goals, design and implementation strategies, as well as financial and cost estimations, which will serve as essential supporting documentation for securing funding.
2. In light of securing funding, we recommend recruiting the **Kabul University winning student team members (the four girls)**. Their role would involve finalizing and refining the winning proposal for eventual implementation with the help of an advisory professional framework. Naturally, this will necessitate communication and collaborative teamworking with other winning international student teams.
3. Certainly, prior to making any decisions, the implementation task committee is obligated to engage in close consultation with the district government authorities, residents (users), and the planning authority in Bamiyan. This consultation regarding to matters of community participation, land acquisition, provision of community services/ infrastructure, and the subsequent stages of implementation.

Thank you for your attention.

Bashir Kazimee, AIA
 Professor Emeritus, Washington State University
 Chairperson: SAE-Architecture and Planning Division





SAE 2023 GENERAL ASSEMBLY MEETING *A gathering of SAE members in Virginia.*

The Society holds an annual General Assembly Meeting each year. It is a requirement of the Bylaws of the Society. The meeting can be face-to-face, video, or teleconference. This meeting is for the transaction of the Society's business. The meeting shall be held in the month of July or August, unless changed with the approval of the Board of Directors. At this meeting, the President, the Board of Directors and/or other Executive Committee members shall report the budget, policies, program activities, accomplishments goals, and objectives of the Society.

This year's meeting was held virtual, via zoom, on Saturday September 16, 2023 at 1:00 pm. Below is the agenda of the conference.

AGENDA OF THE SAE 2023 GENERAL ASSEMBLY MEETING

Date: Saturday, September 16, 2023, **Time: 1 to 3 PM EST**

Venue: Virtual (Zoom)-Link will be provided

This meeting will be recorded. All presentations and discussion will be in English. Pashtu and Dari will be an option.

TIME (Eastern Time USA)	PRESENTATIONS/TOPICS	PRESENTERS
1:00- 1:05 pm	Start of the General Assembly	Facilitator: Ms. Donya Amiri
1:05 -1:10	Registration and Roll Call	Hamayon Ibrahim, Vice President of the Society
1:10 - 1:12	A recitation from the Holy Quran	Audio Recording
1:12 - 1:15	Welcome Remarks	Najim Azadzoi, President of the Society
1:15 – 1:25	Keynote Speaker: Proposed Topics: <ul style="list-style-type: none">• A Report from his scheduled trip to Kabul in September:	Mr. Jeffery Grieco, President; Afghan American Chamber of Commerce (AACC)

	“Humanitarian and Economic Update on Afghanistan”	
1:25 - 1:35	A Message from the Executive Committee <ul style="list-style-type: none"> • The Future of the Society of Afghan Engineers 	Najim Azadzoi, President of the Society
1:35 – 1:45	A Message from the Board of Directors	Manan Khalid, SAE Chairman of the Board
1:45 – 1:50	SAE Financial Report	Najim Azadzoi, Acting Treasurer of the Society
1:50- 2:00	Reports from Afghanistan	Walid Howaida, SAE representative in Afghanistan
2:00 – 2:10	A summary report on Bamiyan Housing	Prof. Bashir Kazimee
2:10 – 2:20	Online Education for Afghanistan	Eng. Feda, AEBT President
2:20 – 3:00	Open discussion and adjournment	All Members

A Brief Report of the Board of Directors at the General Assembly Meeting

September 16, 2023

By: A. Manan Khalid, Chairman of the Board

It has been an honor to represent the Board during this term, and a pleasure to present to you a brief report of the Board's activities to date. Since this will be the last General Assembly Meeting for the current Administration, I have gone back to January of 2021, when the current administration took charge.

During the past 33 months, the Board held 35 meetings while Bylaws mandates only 12 during the entire three-year term. It has tried to build on almost three decades of accomplishments of their predecessors. Without their accomplishments, there would not have existed the SAE today. They tried sincerely, and did all they could, within their limitations, to keep this organization alive till today. It is true that due to the unfortunate turn of events in our beloved country, there have not been significant tangible accomplishments, but there is always hope in the future.



Within its duties as a policy maker and as a manager of the policies and business affairs, following are the highlights of the Board activities:

- Review and Approval of biographies of all proposed nominees for the Society's Executive Committee.
- Approval of the Vice Chairman and the Executive Director of the Board.
- Review and approval of the proposed hiring of a local representative in Kabul including their job description and salary.
- Review and approval of the work plans presented by the Afghan Government Agencies (AGA) Liaison, and the Architectural Subcommittees.
- Review and approval of providing Membership Cards to active members. Hopefully it will be implemented at some point in the future.
- The SAE's 2021, 2022 and 2023 budgets were reviewed and the necessary portions approved.
- Review of a possible collaborations with the Afghan American Chamber of Commerce (AACC).
- Review and approval of the nominees for the SAE's representative in Kabul to pursue SAE's business with the government agencies and to follow up on issues related to the Society's mission.
- Review of an MOU between SAE and the Afghan Education for Better Tomorrow (AEBT), a California based organization.
- Review of MOUs with several Afghan government organizations.
- Discussion on the modernization and maintenance of the SAE's website with the intention to hire an expert in the field to modernize the existing website. It was partly accomplished and then completed through the tireless efforts of engineer sahib Donya Jan Amiri. Our sincere thanks and appreciations for her tireless efforts.
- Review and approval of a Chairman for the SAE ENewsletter Subcommittee and Editor In-Chief of the SAE ENewsletter.
- Review and approval of the date and venue of the Annual General Assembly Meetings
- Organization of a special emergency meeting to initiate emergency fundraising for those displaced as a result of the events of August 15, 2021.
- Initiation of fundraising events for the victims of the earthquake in Paktika province.
- Discussions on possible collaboration with USAID.

- Discussion on the possibility of sending a delegation to Kabul for talks with the new administration and to establish a path for future cooperation. Due to unfavorable condition on the ground, this was postponed indefinitely.
- Discussions on the Emergency Housing for the cave dwellers in Bamiyan.
- Discussions on professional registration for architects & engineers in Afghanistan.
- Discussion on remote education for girls.
- Review of the Society's Manual.
- Review of the executive committee's strategic plans.
- Discussions on the appointment of a Society's agent.
- Appointment of the 2023 election committee and resolution of certain aspects of the election in light of the 2022 Bylaws.
- Review and approval of all activities proposed by the Executive Committee.
- **And the most time consuming of all, review, and revision of the SAE Bylaws**

The Third Revision of the SAE Bylaws dated October 2015 stipulated that the Bylaws be reviewed every five years, which, for many different reasons, became the main activity of the Board. When the current SAE administration came to office in January 2021, the Board of Directors in its 3rd meeting on February 4, 2021, passed a resolution to address that requirement. Accordingly, a Task Force was assigned to undertake such a review. In an attempt to assist the Task Force, through several emails, input from all members towards this endeavor was solicited. Using virtual meetings, the Task Force spent countless hours reviewing and revising the October 2015 version, deliberating on pertinent adjustments, while keeping core elements intact.

Then, the Board of Directors took time to thoroughly review the outcome presented to them as a draft. In so doing, the Board adjusted the text of the draft, as determined appropriate by the majority of its members. By unanimous vote of members present in its Meeting # 25 on June 30, 2022, the Board of Directors approved the Final Draft of the 2022 Bylaws.

Unfortunately, these revisions became the subject of disagreements and a grid lock that ended with assigning the final draft to an attorney for a thorough and comprehensive review. It is worth mentioning that the review is done on a pro bono basis. **The attorney review is still in progress and will eventually result in a new version of the bylaws.**

In closing, I would like to sincerely apologize for anything said or written during the past two and a half years that may have been hurtful to anyone. I can assure you that there was nothing personal in our disagreement and serious discussions, and strongly believe that something good would eventually come out of it.

Thank you all for your attention and look forward to real and tangible accomplishments in the future.
Manan Khalid, SAE Chairman of the Board of Directors

SAE 2023 GENERAL ASSEMBLY

**AN OVERVIEW OF SAE ACTIVITIES
JANUARY 1, 2021 TO JANUARY 2024**

A Presentation by Najim Azadzoi, SAE President



SEPTEMBER 16, 2023, AT 1:00 PM (EST) VIRTUAL

SAE EXECUTIVES IN 2021-2024

SAE EXECUTIVES, COMMITTEES AND SUBCOMMITTEES

Following is a list of SAE Executive Officers appointed and SAE Committees and Subcommittees that have been activated in 2021 to 2023

- HAMAYON IBRAHIM, SAE VICE PRESIDENT
- MAHMOUD SAMIZAY, SAE TREASURER
- DONYA AMIRI, SAE MEMBERSHIP COMMITTEE CHAIRPERSON
- RAFAAT LUDIN, SAE/AFGHAN GOVERNMENT AGENCIES SUBCOMMITTEE CHAIRPERSON
- BASHIR KAZIMEE, SAE ARCHITECTURE AND URBAN PLANNING SUB-COMMITTEE CHAIRPERSON
- HAFIZULLAH WARDAK, SAE ENEWSLETTER EDITOR-IN-CHIEF
- AMIN MAHMOOD, SAE STUDENTS COMMITTEE CHAIRPERSON
- JAN MEHRZAI, SAE CORPORATION COMMITTEE CHAIRPERSON
- SAE CAPACITY BUILDING SUBCOMMITTEE, WALI SHAIRZAY



Hamayon Ibrahim



Mahmoud Samizay



Donya Amiri



Rafaat Ludin



Bashir Kazimee



Hafizullah Wardak



Amin Mahmood



Jan Mehrzai

SAE WITH OTHER ORGANIZATIONS INCLUDING AFGHAN GOVERNMENT AGENCIES IN 2021-2024

SAE SIGNED A MOU WITH AACC AND A JOINT VENTURE AGREEMENT WITH AEBT IN 2021

- SIGNED A MOU WITH AACC
- SIGNED A JOINT VENTURE WITH AEBT

SAE AND AFGHAN GOVERNMENT AGENCIES

In 2021, Chairman of the SAE/Afghan Gov. Agency Liaison Subcommittee, Rafaat Ludin, traveled to Afghanistan and with the help of SAE representative, Mr. Rahman Rahmat Mayar met with the following agencies in Kabul and prepared drafts of MUOs.

- MOU WITH AFGHAN NATIONAL STANDARD AUTHORITY
- MOU WITH MINISTRY OF HOUSING AND URBAN DEVELOPMENT
- MOU WITH AFGHAN NATIONAL WATER AFFAIRS AND REGULATION AUTHORITIES



AACC Announces MOU with Society of Afghan Engineers

The AACC announced on April 12, 2021, that it has signed an MOU with the Society of Afghan Engineers (SAE) to collaborate on programming that supports the development of Afghanistan's infrastructure, investments, training and technical assistance. The goal of the MOU is for both parties to work together to enhance the quality and effectiveness of engagement of the international Afghan Diaspora in the economic development of Afghanistan. Jeff Greco, AACC President and CEO announced that the MOU will focus cooperation in four main areas:

- First, creating synergies and collaboration with each other to increase engagement of Afghan-American engineers and architects in the economic development of Afghanistan;
- Secondly, SAE and ACC will work to provide opportunities for providing technical and vocational knowledge transfer and education between themselves with various Afghan Government and non-governmental agencies and private sector organizations on a series of mutually agreed technical subjects;
- Thirdly, the parties will facilitate collaboration with potential investors/donors in Afghanistan, by working with multilateral agencies (e.g. UN agencies and others), bilateral agencies (including U.S. Government agencies such as United States

SAE and AACC SIGNED A MOU



SAE and AEBT SIGNED A JOINT VENTURE



SAE and ANST AGREED TO SIGN A MOU



SAE and ANWAR AGREED TO SIGN A MOU



SAE and MINISTRY OF HOUSING AND URBAN DEVELOPMENT AGREED TO SIGN A MOU

SAE AND AFGHAN UNIVERSITIES IN KABUL

SAE CONNECTED WITH TWO LARGEST PUBLIC UNIVERSITIES IN KABUL

KABUL POLYTECHNIC UNIVERSITY

- DEPARTMENT OF ARCHITECTURE
 - DEPARTMENT OF URBAN PLANNING
 - DEPARTMENT OF CONSTRUCTION
 - DEPARTMENT OF CIVIL ENGINEERING
- KABUL UNIVERSITY, ENGINEERING
 - DEPARTMENT OF ARCHITECTURE
 - DEPARTMENT OF URBAN PLANNING



Walid Howaida, SAE Representative speaking on behalf of the SAE at Kabul University



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



Chancellor of Kabul Polytechnic University, Professor Abdul Rashid Iqbal



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



Walid Howaida, SAE Representative, Amin Mahmood SAE Student Subcommittee Chairperson with a group of students and staff at the Faculty of Engineering

SAE AND OTHER AFGHAN UNIVERSITIES

SAE CONNECTED WITH SIX UNIVERSITIES IN AFGHANISTAN

- SHEIKH ZAYED UNIVERSITY, KHOST
- PAKTIKA UNIVERSITY
- BALKH UNIVERSITY
- BAMMIAN UNIVERSITY
- HERAT UNIVERSITY
- KANDAHAR UNIVERSITY



From left to right: Mr. Arghawan, architecture department faculty; Walid Howaida, and Mr. Fared Hasel, Civil Engineering faculty. Paktia University, Department of Civil Engineering and Department of Architecture.



SAE in Paktia University



Mining and Environmental Director at Mazar-e-Sharif and Mr. Walid Howaida.



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

SAE FUNDRAISING AND HUMANITARIAN SERVICES

SAE SUCCESSFULLY COMPLETED THREE FUNDRAISING DURING 2021 TO 2023

- PROVIDED FINANCIAL SUPPORT FOR THE STUDENTS AT KABUL UNIVERSITY, POLYTECHNIC UNIVERSITY AND KANDAHAR UNIVERSITY.
- SUPPORTED THE DISPLACED FAMILIES IN KABUL AND KANDAHAR DURING THE SUMMER OF 2021.
- SUPPORTED THE FAMILIES OF VICTIM OF EARTHQUAKE IN PAKTIKA AND PAKTIA



SAE SUPPORTED FINANCIALLY THE STUDENTS OF ARCHITECTURE IN KABUL UNIVERSITY, POLYTECHNIC UNIVERSITY AND KANDAHAR UNIVERSITY.



SAE HELPED THE FAMILIES VICTIM OF EARTHQUAKE IN PAKTIKA AND PAKTIA



SAE HELPED THE DISPLACED FAMILIES IN KABUL AND KANDAHAR

BAMIYAN INTERNATIONAL STUDENTS HOUSING DESIGN COMPETITION

SAE CONNECTED WITH SEVENTY UNIVERSITIES AROUND THE WORLD

- BAMIYAN HOUSING COMPETITION
- SEVENTY UNIVERSITIES WERE INVITED
- THREE UNIVERSITIES REGISTERED FROM AFGHANISTAN
- EIGHTEEN UNIVERSITIES REGISTERED FROM AROUND THE WORLD

▪ THE ARCHITECTURE TEAM



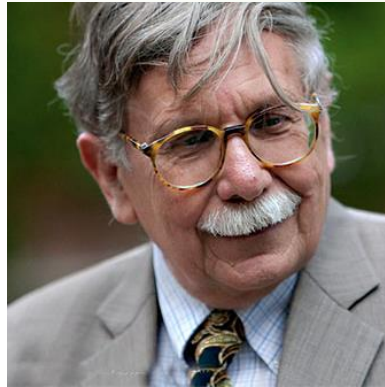
Najim Azadzi, AIA
SAE President and Project Organizer



Bashir Kazimee
Team Leader,
Washington State
University



Mehdi Sabet, aia, ncarb
Chair of Design
Associate Professor
Interior Design, CACE
Zayed University



Dr. Reinhard Goethert
MIT School of Architecture



Prof. Rafi Samizay
Washington State
University

▪ THE JURORES



Professor Dr. Daniela A. Ottmann
Associate Professor of
Architecture
Bond University, Australia



Joseph Ashmore
Senior Emergency Post Crisis
Partnerships Specialist
International Organization for
Migration, Washington DC.



Lalith Lankatilleke,
UN-Habitat.



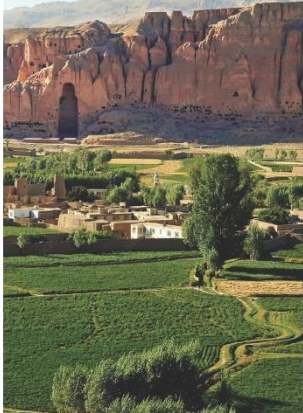


Samia Rab Kirchner, PhD.
Associate Professor of Urban
Design and Interim Chair
Morgan State University
Baltimore, MD

BAMIYAN HOUSING COMPETITION WINNERS

RE-HOUSING THE CAVE DWELLERS OF BAMIYAN

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


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

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

The international academic design competition focus is to re-house the current displaced cave-dwellers of the Bamian valley of Bamian on any where the remains of the notable Baidha Statues are located. The competition is open to Afghan universities and selected 50 institutions of architecture, urban design and engineering programs for the Fall 2022. The competition was region electronically between July 1st through September 20th on our website: www.afghanengineers.org

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P.O. Box 22354
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Email: SoAE@afghanengineers.org
Prof. Mawla Karimov, AEA - Karimov@soae.org



REHOUSING CAVE DWELLERS OF BAMIYAN – WINNING TEAMS

A Challenge from the Society of Afghan Engineers www.afghanengineers.org

DEVELOPABLE COMMUNITY Liverpool University, Xi'an Jiaotong **1st**



BAMIYAN HILLS PROJECT University Sebelas Maret of Surakarta **2nd**

Design Team: Freya, Kaitlyn, Azzad Ulfahman, Nurul Dzahra



TRADITION RESPECTED, FUTURE ORIENTED, INCREMENTALLY BUILT Nanjing Technical University **3rd**

Design Team: Yuxiang Wu, Yiyang Wang, Shiyu Chen



RE-HOUSING THE CAVE-DWELLERS OF BAMIYAN AN INTERNATIONAL STUDENT DESIGN COMPETITION

The Society of Afghan Engineers (S.A.E.), hosted an international academic design competition to focus on affordable housing for the displaced caves dwellers at the historical hills of Bamian valley for the Fall 2022 where the remains of the notable Baidha Statues are located. The competition challenges students to develop a sustainable and viable housing solution.

TEAMS - HONORABLE MENTION

Rehousing Cave Dwellers in Bamian


A Challenge from the Society of Afghan Engineers www.afghanengineers.org



FURROW VALLEY
American University of Sharjah
Team: Zainab Oghal Gawjari, Ahmad Khalil Ammar, Ranya Ataya, Rabab Al-Ali, Razan Nabil Almajid




CRAFT VILLAGE
American University of Sharjah
Team: Nada Hani Barqawi, Meera Tareq Lootah, Mrinaalini Nagaraja, Tala Asakka-Amini, Sabiha Ameen




REUNION AT HIGHER PLACE
Xi'an Jiaotong - Liverpool University
Team: Shuyang Li




BUILDING FOR PEACE
Effat University
Team: Sabeen Alharthi, Lina S. Abouelnaga



A COMMUNITY HOUSING
University of Hartford
Team: Vivek Parek



DEVELOPMENT OPPORTUNITIES
Kabul University
Team: Huda Amini, Lima Hamza, Diana Anwari, Salma Sharif



BAMIYAN HOUSING COMPETITION HONORARY MENTION AFGHAN WINNERS

RE-HOUSING THE CAVE DWELLERS OF BAMIYAN

*MS. Huda Amini
Ms. Lima Hamza
Ms. Diana Anwari,
and
Ms. Salma Sharif*



SAE DESIGNED AND COMPLETED A NEW WEBSITE

SAE, A COLLABORATIVE ORGANIZATION OF ENGINEERS
AND ARCHITECTS, IS COMMITTED TO ENHANCING THE FUTURE
OF AFGHANISTAN

THE DESIGN TEAM:

DONYA AMIRI, TEAM LEADER
RAFAAT LUDIN
MEHDI SABET
MAHMOUD SAMIZAY
HAMAYON IBRAHIM



**Humanitarian Organization -
We Help You And Afghanistan Grow**

Bringing Compassionate Afghan and non-Afghan Professionals
**Together to assist in Humanitarian
efforts to improve Infrastructure
Projects in Afghanistan**

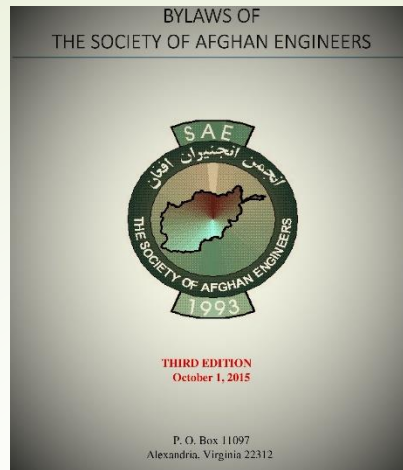
The Society of Afghan Engineers (SAE) is a US 501(c)(3) non-profit, tax-exempt organization established in 1993. Its goal is to bring Afghan engineers and architects residing in the United States and around the world together to collectively strive for the betterment of the home country. SAE was formed with the mission to not only reconnect Afghan professionals around the world but also to be a philanthropic organization that provides educational, technical, and humanitarian guidance and services in the development of Afghanistan. SAE sees itself as the architectural and engineering link between Afghan professionals around the world including in Afghanistan with the common goal of helping the nation develop and thrive to international standards.

[LEARN MORE ABOUT US](#)

What We Do

SAE BYLAWS

SAE, A COLLABORATIVE ORGANIZATION OF ENGINEERS AND ARCHITECTS, IS COMMITTED TO ENHANCING THE FUTURE OF AFGHANISTAN



SAE BYLAWS 2015

SAE BYLAWS 2015 NEEDED TO BE UPDATED

BOARD OF DIRECTORS ESTABLISHED A TASK FORCE/TEAM FROM AMONG THE BOARD MEMBERS TO REVIEW AND UPDATE THE 2015 BYLAWS

SAE BYLAWS 2022 (AN UPDATE OF SAE 2015 BYLAWS)

THE TEAM REVIEWED AND UPDATED THE BYLAWS.

A NUMBER OF SAE EXECUTIVES AND MEMBERS QUESTIONED THE EXTENT OF REVISION AND CHANGES IN THE BYLAWS

“GOODWIN” AN ATTORNEY IN LAW FIRM OFFERED TO REVIEW THE BYLAWS AND TO PROVIDE A DRAFT OF A NEW BYLAW ON A PRO-BONO BASES.

SAE BYLAWS 2023 DRAFTED

- IN JULY 2, 2023 SAE AUTHORIZED THE LAW FIRM OF ‘GOODWIN PROCTER LLP’ TO PROCEED WITH A SUBSTANTIAL REVIEW AND OVERHAUL OF THE SAE BYLAWS FOR CONSISTENCY, CLARITY AND COMPLIANCE.
- I AM PLEASED TO REPORT THE LAW FIRM OF ‘GOODWIN PROCTER LLP’ PROVIDED SAE WITH A DRAFT OF A NEW SAE BYLAWS ON SEPTEMBER 18, 2023.
- THE DRAFT OF THE SAE NEW BYLAWS WILL BE REVIEWED BY A TASK FORCE ASSIGNED BY THE BOARD OF DIRECTORS. IT IS EXPECTED THAT THE REVIEW OF THE NEW BYLAWS WILL TAKE PLACE IN CONSULTATION WITH ‘GOODWIN PROCTER LLP’ IN THE NEXT FEW MONTHS AND IT WILL BE COMPLETED FOR APPROVAL BEFORE THE END OF THE YEAR 2023.

SAE REPRESENTATION IN AFGHANISTAN

IN 2021 TO 2023

SAE REP. IN AFGHANISTAN



- ENG. WALID HOWAIDA, SAE REPRESENTATIVE FROM SEPT. 2021 TO DATE

Walid Howaida, graduated from Civil Engineering Department of the Engineering Faculty of Kabul University in February 1982. He taught till October 1993. In October 1999 he received a scholarship to study management in the UK and he completed his studies in 2006.

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

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.



- ENG. HABIB RAHMAN RAHMAT, SAE REPRESENTATIVE FROM JANUARY-JULY 2021

Habib Rahman Rahmat Mayar graduated from Electrical Department of the Faculty of Engineering, Kabul University in 1984. He graduated Afghanistan institute of Technology (AIT) in 1978.

He has received trainings in Strategic Planning, Rural Development Planning, Disaster Management, General Management, Projects Management, and Procurement.

He is Currently working as an Electro-Mechanical Engineer at the National Water Affairs Regulation Authority of Afghanistan (NWARA), since December 2020 up to date.



SAE Society of Afghan Engineers

Reports from Afghanistan

July 2023

During the month of July, Mr. Walid Howaida visited Balkh University and met with Prof. Shahab, Dean of the School of Engineering. During this visit Prof. Shahab spoke of need for technical support and laboratory equipment.

He also met with Mr. Ghulam Sarwar Mubarez Dean of the Faculty of Science. At this meeting Prof. Ghulam Sakhi Jaahed head of the Chemistry Department, Prof. Ahmad Farhad Samadi, Dean of Physics Department, Prof. Mahdi a member of the Chemistry Department and Prof. Neyaz a member of Physics Department was also present. Prof. Ghulam Sakhi Jaahed has been working on a Waste Water Treatment



Prof. Shahab Dean of engineering faculty of Balkh University & Walid Howaida



Prof. Ghulam Sarwar Mubaarez Dean of Faculty of Science of Balkh University & Walid Howaida



Walid Howaida with the senior staff of polytechnic university. Prof. Nerjaabi dean of Transport engineering faculty and prof. Faqiri dean of Civil engineering faculty.

system. He mentioned that the system needs financial and technical support.

On 26th July 2023, Mr Howaida was invited by Kabul Polytechnic University for graduation ceremony. This year, 504 male and 144 female engineers & architects graduated from the University. Unfortunately, only male graduates were allowed to attend the ceremony. Mr. Hanefi, Deputy Prime Minister of the Minister of Higher Education and several high-ranking government officials were present at the ceremony.



Walid Howaida participated in the Kabul Polytechnic University graduation ceremony.

He spoke at this ceremony and congratulated the new graduates on behalf of SAE. He also spoke about SAE and its cooperation with engineering institutions in Afghanistan.

While there, he also contacted members of the teams who participated in the Bamiyan Housing International Competition and thank them for their participation in the project..



Walid Howaida during speech.



SAE Society of Afghan Engineers

Reports from Afghanistan

August 2023

As you maybe aware,a new university with the name of **Afghanistan Islamic International University** was established in Kabul recently to replace the former **American University of Afghanistan**. This new university will offer **Masters and PHD** programs in Engineering, Agriculture, Medicine and religion..During the month of August 2023, on advice of senior members of SAE, Mr. Howaida met with the president of the new university.

Dr. Hamidullah Younusi Acting Director of Agriculture program with Walid Howaida SAE representative.



At this meeting while the senior academic team of the new university were present, curriculum of the engineering faculty of this university for Master Degree program was discussed.

Dr. Rafiullah Ata president of the new Afghan International University



It was mentioned that, the engineering school of this university doesn't have a library and laboratory yet and they were using laboratories of the Faculty of Engineering of Kabul university and Polytechnic University for the time being. for agriculture and medicine, they were using the laboratories of Agriculture Faculty of Kabul University and Kabul Medical University.

They requested SAE's help and support with the design of curriculum and access to online libraries.

At the end of August 2023 Ustad Aminullah Mahmood had a private visit to Kabul and we got an opportunity to share our experience and thoughts with the Curriculum Committee at the Ministry of Higher Education..

Additionally, during this month he attended several SAE online meetings





SAE Society of Afghan Engineers

Reports from Afghanistan

September 2023

On September 6, 2023 an international conference was held in Kabul on “Afghanistan Trade and Economic Relations in 2023”.

The conference was held in Serena Hotel and the Islamic Emirate deputy prime minister (Mr. Mullah Brother), some deputy ministers, some diplomats, Head of UNAMA in Kabul, members of Afghan Chamber of Commerce Investment (ACCI), national and international investors including female investors participated.

During the conference, our SAE member and close friend, Mr. Jeffrey Grieco had a discussion about SAE and its valuable achievements and also used very encouraging words about the representative efforts and activities during the last 20 months in the position. Mr. Howaida, SAE representative in Afghanistan was also given a chance to speak about SAE for few minutes. He briefly talked about the history of SAE and its vision and mission and also its achievements which was very warmly received by the participants.



A delegation from the Afghan American Chamber of Commerce headed by Mr. Jeff Grieco met with Afghan Government officials in Kabul



Mr. Walid Howaida, SAE represented was invited and attended this meeting at Serena Hotel in Kabul



PhD Architect Hashmatullah Atamr
Lecturer of engineering faculty of Salam
University and member of directorate of design
& construction affairs

Ziarat of Ashoqan & Arifan (Pilgrimage of lovers and Mystics)

Part.1/2

The architectural style of the building is very simple and old, it is made of traditional materials of Kabul city such as: mud brick, wood, planks, clay, etc.

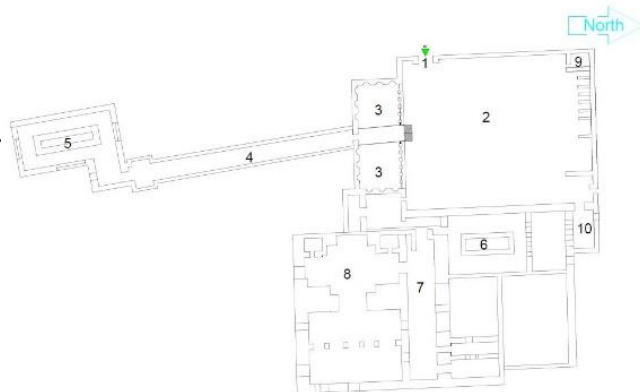
It is an Afghan architecture and all decorations are made of wood.

The Tomb has a large courtyard and several trees can be seen in its courtyard, from the entrance to the right side, there is a covered historical veranda and in the middle of it there is a corridor leading to Ashoqan Tomb. And this long corridor ends up with small building to the right of the Ashoqan Tomb entrance gate.

Furthermore opposite to the entrance gate there is another small corridor in which splits between the double story mosque and Arifan Tomb , the Arifan Tomb is placed at the beginning left side of this corridor , this is clearly visible on below map.

Description of Ashoqan and Arifan Ziarat

1. Main Entrance gate
2. The courtyard of the Ziarat
3. Covered Veranda for worship, study & etc.
4. Corridor connected with Ashoqan tomb
5. Tomb of Ashoqan
6. Tomb of the Arifan
7. The corridor of Mosque
8. Mosque
9. Ablution unit (latrine)
10. The Langar khana (kitchen for charity)



The Ashoqan & Arifan Ziarat (Pilgrimage) is well known to the people and considered one of the famous pilgrimages in Kabul City

On Wednesdays and Fridays, many visitors go to this place for pray and visit. The Ziarat is connected from the north side to Sang Tarashi road and Shourbazar, from the south side to Shohada-e-Salehin and Panje Shah Tomb, from the east side to Kharabat street and from the west to residential houses.

The Tomb was originally build on a hill, but due to the crowd and construction of residential houses around this hill, the visibility of the Tomb is totally covered with them.

This tomb was built in memorial of two brothers (Ashoqan & Arifan) who were known as the protectors and responsible Kabul city.

They were the sons of Khwaja Jaber Ansar, and grandsons of Hazrat Masih Abu Ismail Khwaja Abdullah Ansari, they were invited to Ghazni province by the king of Ghaznavids (Bahram Shah

between 1117-1157 AD). Then they came from Ghazni to Kabul, where they became the spiritual leaders of the city.

But there are other expressions about these two brothers,

That they were among the Companions of the Prophet Mohammad (peace be upon him) who were around soldiers of the Islamic Revolutionary Corps and were present during the conquest of Kabul.

Some narration says their martyrdom was during the time of the third Khalifa Hazrat Osman and later, in the era of the Umayyad's and Summands.

The name of the Ashoqan (Lovers) is Khwaja Abdul Salam and the name of Arifan (Mystics) is Khwaja Abdul Samad, and as per their customs the people who want to visit these Tombs they should visit Ashoqan at first and then Arifan. Furthermore there are other customs, as Ghulam Nabi the resident of Shourbazar says on days of Mawlood and 10th of Muharram, the circle of remembrance is held in the Ziarat

The servant of the Ashoqan and Arifan Tombs are named Qari Barkatullah and Kaka Sardar, whom were contributed to its preservation, maintenance and cleaning for a long time.

Ziarat does not have an entrance ticket, or according to other words, the entrance to Ziarat is free, but visitors donate to Ziarat's charity fund when they come back from Ziarat.

To see the tomb of Ashoqan, you have to go through a narrow corridor and at the end of the corridor there is a small room to the right of it, in the middle of a long and large grave, there is a panel on the wall with the history of the Ziarat and the following poem written on it:

،، مرا عاشق بدین معنی نموده ساقی کوثر
مسلمان می شود کافر بگیرد جام عارفان ،،

The grave of Arifan is located north side of mosque, which is similar to the grave of Arifan, and the building of this Ziarat during the reign of Bahram Shah Ghaznavids has been built.

Before the Ashoqan and Arifan passed away, there was a big oven in their burial place and according to reports, One day, the governor of Kabul tells Kabul Shah that:

If my two sons go in the middle of this oven and come out alive, will you become a Muslim?

Kabul Shah gives a positive answer.

After that, the Ashoqan and Arifan entered the oven and stayed there for an hour, and after they opened the oven, these two brothers came out of the oven full of fire with flower buds and went to Kabul Shah and he became Muslims. And they congratulate him for his conversion to Islam.

Along with Kabul Shah, the majority of Kabul citizens without exception, they accept Islam and remain Muslim ever since.

Kabulis consider this story as a sign of the dignity of Ashoqan and Arifan and they consider these two brothers as their spiritual leaders and that is why they consider the Ziarat of Ashoqan and Arifan as a holy place.

Tomb of Ashoqan (lovers)

The Ashoqan tomb building consists of 4 parts:

1- The Covered Veranda

This space uses for Conversations and meetings, the use of decorated woodwork in the form of old architecture can be seen very easily and shows the art of architects. This covered palace is 180 cm higher than the ground level and has a beautiful wooden ceiling and geometric shapes of Islamic forms, on the north side of it there are rhythms of old wooden columns and in the middle of it there is a staircase. The west, south and east sides of it have walls. It looks beautiful with brick and niches or Arch, and it is covered by hanging words and pictures from the Holy Kaaba.



Decorative woodwork of covered veranda



In the middle part of the south wall of the entry gate, a long hall of Ziarat can be seen with historical tradition and beautiful decoration. The building roof is very simple, which is built out of wooden beam and smooth surface, moreover the material for this roof are as follow: Wooden round beam, planks, bamboo, mud, dry soil and mud plaster. It has a considerable inclination towards the interior of the courtyard, it was taken and built. The interior walls are made of brick mud plaster and painted by white mud and the outer parts of the north side skirting are painted with oil paint an ash color tone.



A picture of the ceiling of the covered Veranda,



A picture of the public entrance to the Tomb of Ashoqan,



A picture of the public entrance door leaf to The Tomb of Ashoqan



A picture of the public entrance to the Tomb of Ashoqan

The Adjacent houses were built during the throne of shah Mahmood who is the eldest son of Timor shah Durrani. The visibility and existence of calligraphic inscriptions in these buildings are due to the shah Mahmood's special attention for the maintaining of these Tombs, and this special attention was in his first and last enthronelement in this country.



An image of the woodwork decoration of the covered veranda



An image of the woodwork decoration of the veiled head of the covered veranda



SAE Society of Afghan Engineers



Brief biography of: HASHMATULLAH ATMAR

Hashmatullah Atmar son of Shamsulhaq Atmar was born in Bulan village, Qarghae Distract of Laghman province, Afghanistan.

Mr. Atmar completed his bachelor and Master degrees at the school of architecture, Azerbaijan Civil Engineering Institute in 1982 to 1988. He completed his studies in Architecture field and gained PHD degree from the same university from 2005 to 2007.

Started work with PAMA (Central Planning Project Institute) as a head of education and health department and he also thought at the Engineering Faculty at Kabul University (part time) for 10 years.

From 2001 started work with Zone of Maximum Design (ZMD) Turkish design and Construction Company as a project manager in Kabul.

Mr. Atmar is currently working as Controller of architectural projects for Directorate of Design of Construction Affairs as well as lecturer of engineering faculty at Salam University.

Furthermore he is author of 38 volume books, in which 28 of these volume books are about architecture (especially Afghan architecture), the remaining 8 are architecture with Islam religion and the last 2 are navels in Pashto and Dari languages.

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Optimization of window area in buildings from the viewpoint of energy efficiency - Kabul, Afghanistan

Mustafa Karimi^{1*}

¹Faculty of Science and Engineering, Ritsumeikan University, Shiga, Japan

Abstract. The proportion of window area on a building façade is one of the key energy-saving design parameters affecting indoor thermal comfort, and the energy performance of a building. To avoid excessive energy loss or gain, determining the optimal window size is essential. Accordingly, this paper aims to investigate the impact of the Window-to-Wall ratio (WWR) of all sixteen cardinal, intercardinal, and secondary intercardinal directions on the energy consumption of buildings in Kabul, Afghanistan. Simulation models were built and analyzed using BEopt™ energy simulation software. The results indicate that in the climatic condition of Kabul, windows only on southeast, south-southeast, south, and south-southwest façades have energy-saving potential while providing windows on other facades results in higher energy demands compared to windowless façades. The total energy demand graph of the room with various WWR on southeast, south-southeast, south, and south-southwest façades form a U-shaped curve with a minimum value when the WWR is 0.15, 0.3, 0.35, and 0.25 respectively. The maximum amount of energy saving achieved by WWR optimization is 6.5%. However, adding windows of up to WWR-0.7 to other facades increases energy consumption by up to 29%. The study concludes that optimization of WWR in different orientations during the design process will contribute to the reduction of heating and cooling energy consumption.

Keywords. *Window-to-Wall ratio (WWR), Building Energy Performance, Energy Simulation, Energy Efficiency, Kabul*

1 Introduction

During the past few decades, buildings energy consumption contributes significantly to global energy demand and greenhouse gas emissions (GHG)[1]. Therefore, reducing the building's energy consumption and promoting sustainable energy resources for building industries are of the utmost importance nowadays. The buildings industry as one of the "top three" industries in terms of global energy consumption, accounts for 36% of global energy consumption and 37% energy related CO₂ emissions[2]. Only residential buildings utilize 22% of this total, and the majority of that amount is mainly spent on spaces heating and cooling to maintain comfortable indoor space[2], [3]. As overall efficiency increases, the energy demand for the industrial and transportation sectors tends to decline; however, this is not the case for the construction sector. The construction industry's energy demand will continue to rise as a result of population expansion and prompt urbanization, which will have a substantial impact on the environment and offer great energy savings potential[4]–[6].

Due to the rapid urbanization and population growth in the last two decades, the housing demand skyrocketed in Afghanistan's major cities particularly the capital city, Kabul[7]–[9]. To accommodate this rapid growth many informal settlements popped up around the city causing serious social and environmental issues[7], [10], [11]. A study about post-2000 buildings in Kabul city rates these buildings as significantly low in terms of sustainability level[11]. In addition, energy dependence and the use of coal, wood, LPG, and other biomass as an alternative source of energy exacerbate economic and environmental issues in Kabul[12]. Although Afghanistan is one of the lowest energy consuming countries in the world and has a large energy generation capacity, it imports 78% of the total electricity consumption[13], [14].

To address these issues, it is crucial to improve energy efficiency in buildings by the fundamentals of design rather than using energy-efficient mechanical services. This method

is a cost-neutral energy-saving approach that not only does not increase building initial costs but also reduces the building's life cycle costs[15]–[17]. Architectural design parameters that effect the energy performance of building such as orientation[18], [19], building form[20], [21], fenestration ratio[22], [23], shading devices[24], zoning[25], [26] and etc. have extensively been studied. Among all the aspects involved in the design process of buildings, the window-to-wall ratio (WWR) is important as it influence both the aesthetics and the energy consumption[27], [28].

According to previous studies, the optimal WWR of a building varies according to its geographical location and the climatic condition. Muhaisen et al.[29] stated that the optimal window area for all facades of a building in the hot and humid climate of Gaza strip is 10% of the total wall area. Moreover, In Gaza south windows are considered the worst in terms of energy efficiency. A study of building located in Vancouver, Canada by Kim et al. [22] confirmed that by increasing the WWR, the annual energy consumption of the building increases regardless of window location. It was observed that the minimum energy demand of the building occurs when WWR is 0% and it reaches the maximum at WWR of 100% which is 45% more than the minimum value. Another study by Goia et al.[30] investigated the optimal WWR of office buildings in different European climates. They concluded that WWR of larger than 0.3 and smaller than 0.45 are considered as ideal WWR for all orientations except south-orientation, and energy saving of 5-25% is achieved by WWR optimization. Rana et al.[31] suggested the WWR range between 30% to 40% as energy efficient WWR for the air-conditioned office buildings in Bangladesh, and added that an energy saving of up to 9.4% is achieved by incorporating the optimal WWR. Feng et al.[32] stated that in severe cold regions, windows on east and west façades have the greatest impact of on energy consumption followed by south and north façades respectively. They confirmed that the most energy efficient WWR for east and west façade is between 10-15%, for south 10-22.5%, and for north is 0%, unless required for lighting or ventilation purposes.

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As fenestration ratio is influenced by geographical location and climatic conditions, it is important to study the impact of window size on energy efficiency of buildings in the semi-arid climate of Kabul. Moreover, the window area of different shapes of a same size room varies for a given WWR. Therefore, this paper aims to find the optimal WWR in different orientations that provide adequate thermal comfort and high energy efficiency in buildings, resulting in a reduction in energy consumption of three same-sized rooms with different shapes in the climatic condition of Kabul.

2 Methodology

In this study, a square room with an attached bathroom is developed and simulated in the dynamic energy simulation software BEopt™ to evaluate the impact of window-to-wall ratio (WWR) on the energy performance of the building under the climatic conditions of Kabul. The room is rotated at an angle of 22.5° so that the window façades face all sixteen cardinal, intercardinal, and secondary intercardinal directions. In addition, the annual heating, cooling, and total energy consumption of WWR ranging from 0 to 0.7 are then analysed to determine the optimal WWR for each orientation. All the other parameters affecting the energy performance of the model are kept constant.

2.1 Simulation tool

The BEopt™ (Building Energy Optimization tool) version 2.8.0.0 is used for this study. BEopt™ is a user-friendly energy simulation software that evaluates residential buildings to determine optimal cost efficiency and energy-saving strategies with the goal of achieving low or net zero energy [33]. The advantage of this program is that it has a simple input screen with a wide range of predefined settings that enables the user to both design the building and simulate its energy performance without the help of any other software.

2.2 Study model

To simplify the simulation, the model unit of a room with an attached bathroom is selected. The unit is considered as the centrepiece of most buildings used by individuals for both residential and hotel buildings.

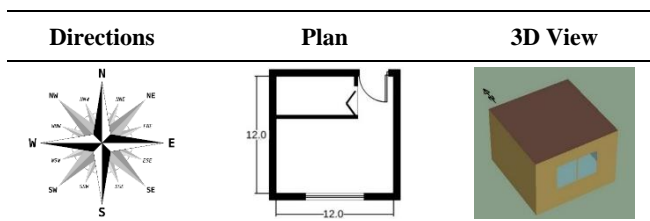


Fig. 1. Plans of study model

For this study as shown in Figure 1, a square room of 12ft x 12ft x 9ft (l x w x h) which is considered to minimise the effects of other parameters such as shape, built form, thermal mass, and length-to-width ratio. The ceiling height is kept 9ft, because it is common height for residential building in Kabul and provides better thermal comfort for cold regions [34]. Furthermore, air flows through two sources which are infiltration and natural ventilation (Table 2). Air leakage is kept at 10-ACH50 (Air Change per Hour), which is an average leakage in the New Zealand context of airtightness in buildings [35]. Moreover, according to the Pennsylvania Housing Research Centre, 10-ACH50 is considered as

moderate leakage [36]. Manually operated windows are the most common types of windows in Afghanistan. Therefore, they remain open in summers for natural ventilation and are closed during winters.

Table 1. Technical properties and design parameters of study models

Main characteristics	Unit	Properties
Floor area	ft ²	144
Ceiling height	ft	9
Walls	-	Stucco 1in + Hollow Concrete Masonry Unit (CMU) 8in + Drywall 0.625in
Roof	-	Medium color Tiles + R-30C Fiberglass Batt + Drywall 0.625in
Floor	-	Whole slab R10, R5 Gap Extruded Polystyrene Insulation (XPS) 4in + Carpet
Window	-	Clear glass, Double glazing, Air
Door	-	Wood
Door area	ft ²	20
Cooling set point	°C	24.5
Heating set point	°C	20
Air Flow	Air leakage	10 ACH50
	Natural Ventilation	Only cooling Months, Everyday
Space Conditioning	AC	EER 8.5
	Electric Baseboard	100% Efficiency
	Ceiling Fan	National Average

2.3 Climatic condition

According to the Köppen climate classification, Kabul's climate is categorized as continental, cold, semi-arid type BSk. Kabul has its greatest amount of precipitation during spring and winter (in form of snow). While summer is dry [37], [38]. Figure 2 shows the average high and low temperature in Kabul.

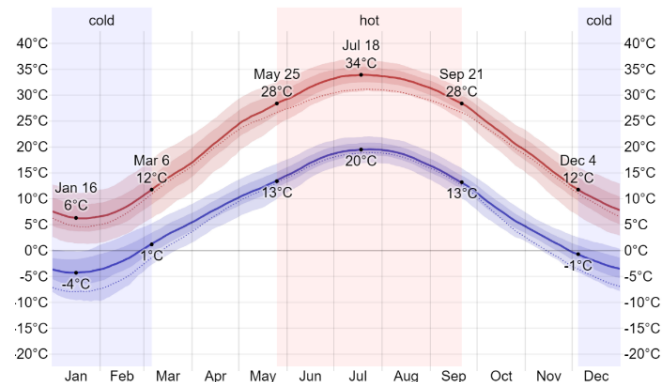


Fig. 2. Average high and low temperature - Kabul [38]

3 Results and discussion

The findings shown below demonstrate the influence of the WWR of windows on the annual total heating and cooling energy consumption for a clear, double-glazed window of a

residential space located in Kabul City, Afghanistan. Next, the optimal WWR for each orientation is investigated with a variation of WWR from 0 to 0.7 for all orientations.

3.1 Effect of Window Orientations on Energy Consumption

According to Figure 3, the heating energy demand decreases substantially by increasing the WWR on the façades between east-northeast (ENE) to west (W) orientations. However, it increases as the windows on the west-northwest (WNW), northwest (NW), north-northwest (NNW), north (N), north-northeast (NNE), and northeast (NE) become larger. Increasing the window size has a significant role in the reduction of heating energy consumption for SE, SSE, south and, SSW orientations, as solar radiation penetrates from the southwards during cold seasons in Kabul. The graph demonstrates that the maximum amount of reduction (29.3%) in annual heating energy consumption is achieved by increasing the WWR from 0 to 0.7 for south-facing windows. On the other hand, increasing WWR from 0 to 0.7 on the north façade results in an additional 7% energy demand for heating.

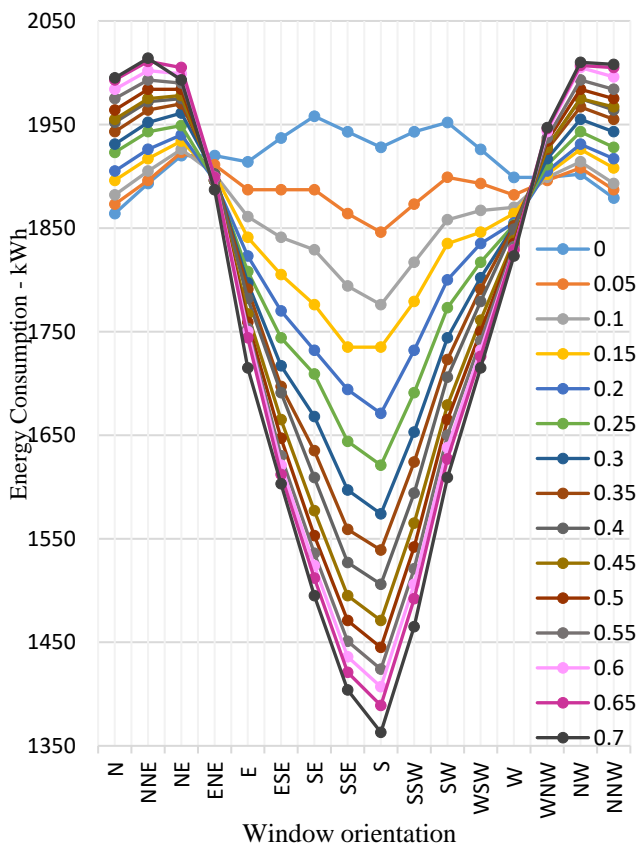


Fig. 3. Impact of window orientation on heating energy demand

Figure 4 shows changes in annual cooling energy demand as a function of different WWRs and orientations. As can be seen from the graphs, the increase in WWR leads to an increase in cooling energy demand for all orientations. The increase in cooling load is due to the increase in direct solar radiation entering the room through the glass window in addition to the long-wave radiation from inside to outside. The cooling energy demand of all the WWR is distributed along an undulating curve that starts with minimum values for north-facing walls, peaks for east-facing walls, drops for south-facing walls, raises again to peak values for west-facing walls, and then drops again for north-facing walls.

This graph shows that reducing the size of windows in all orientations, especially on ESE and WSW façades, would help to lower the need for cooling energy. Window orientation WSW, followed by ESE, has the highest cooling energy demand as WWR rises. For example, the rise of WWR from 0 to 0.7 on the ESE and WSW façade increases the cooling energy consumption by 145% and 145.5% respectively.

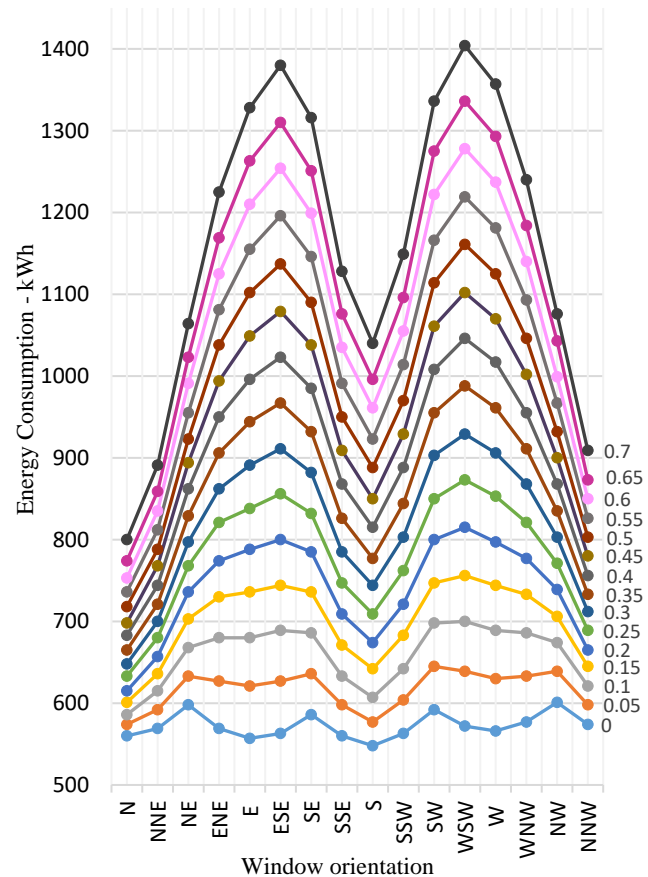


Fig. 4. Impact of window orientation on cooling energy consumption

Figure 5 illustrates the impact of different window sizes and orientations on the energy performance of the study model. The graph shows that almost all orientations experience their minimum energy demand when WWR is 0 except for SE, SSE, S, and SSW window orientations which reach their minimum values at a WWR of 0.15, 0.3, 0.35, and 0.25, respectively.

The figure also shows that the total energy demand reaches the peaks when WWR on ENE, WSW, W, and WNW orientations increase from 0 to 0.7. This is because the larger windows on either west or east façades allow most sunlight to penetrate through windows during the summer season when the sun rises from the northeast and moves towards its highest altitude in the south and sets in the northwest, which causes a rapid increase in heating energy demand. However, these window orientations receive no or very little solar radiation during the winter season as the sun's path gradually drifts southward, resulting in a higher heating energy demand compared to windows on the façades such as S, SSE, or SSW that receive more sunlight during winters.

The window orientations that receive solar radiation for longer hours during cold seasons experience a reduction in their total energy consumption since the heating load dominates in the climate condition of Kabul. As a result, providing windows on orientations such as SE, SSE, S, and SSW have the potential to reduce overall energy consumption.

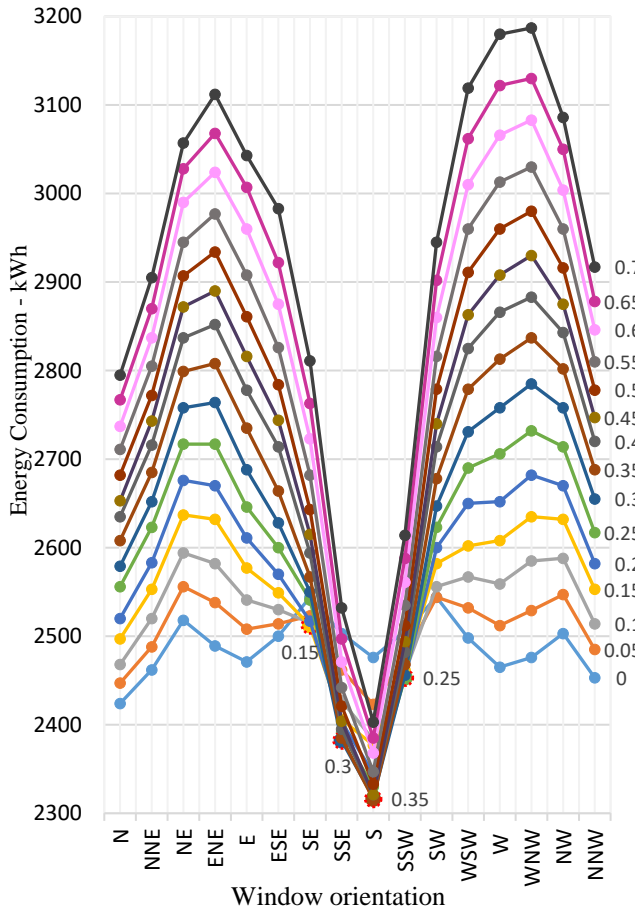


Fig. 5. Impact of window orientation on total heating and cooling energy consumption

3.2 Effect of WWR on energy consumption

Figure 6, Figure 7, and Figure 8 explain the impact of different window sizes and orientations on energy performance. As shown in Figure 6, heating energy demand decreases with increasing the WWR for all window orientations, except for WNW, NW, NNW, N, NNE, and NE which have detrimental effects and increase energy demand for heating. Window orientations such as S, SSE, SSW, and SE experience a significant decrease compared to the other orientations. On the other hand, the graph in Figure 7 demonstrates that the energy required for cooling increases due to an increase in WWR for all window orientations. However, the N, NNE, and NNW window orientations do not have a substantial increase since the sunlight never penetrates from the façades towards the north.

The total energy demand for heating and cooling is shown in Figure 8. As seen in the graphs, the total energy required for heating and cooling increases with the rise of the WWR from 0 to 0.7 for all window orientations except for the south orientation. However, the total cooling and heating energy demand of SE, SSW, SSE, and S window orientations form a U-shaped curve with the minimum energy demand value when the WWRs are 0.15, 0.25, 0.3, and 0.35 respectively, which describe the energy saving potential of these window orientations. Increasing the WWR beyond the aforementioned values adversely affect energy efficiency as the total heating and cooling energy demands increase. The maximum energy savings for window orientations SE, SSW, SSE, and S are 1.3%, 2.1%, 4.8%, and 6.5% respectively. An exterior wall without fenestrations would perform better in terms of energy efficiency for all window orientations other than SE, SSW, SSE, and S.

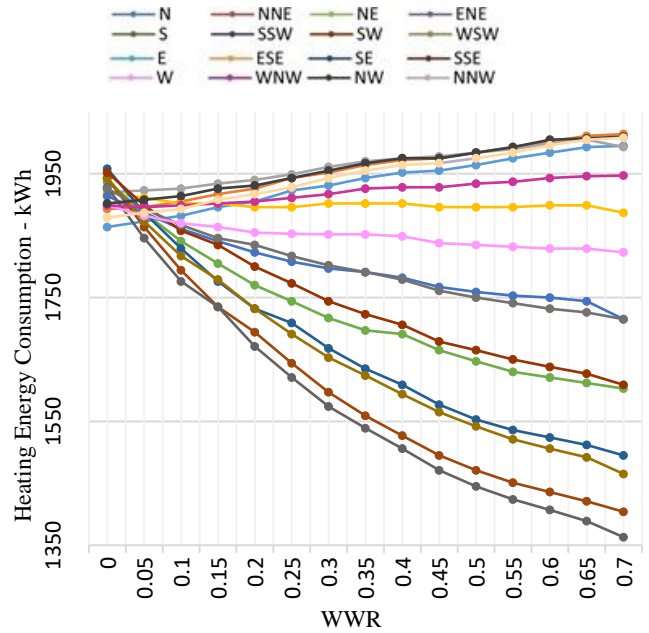


Fig. 6. Impact of WWR of heating energy Consumption

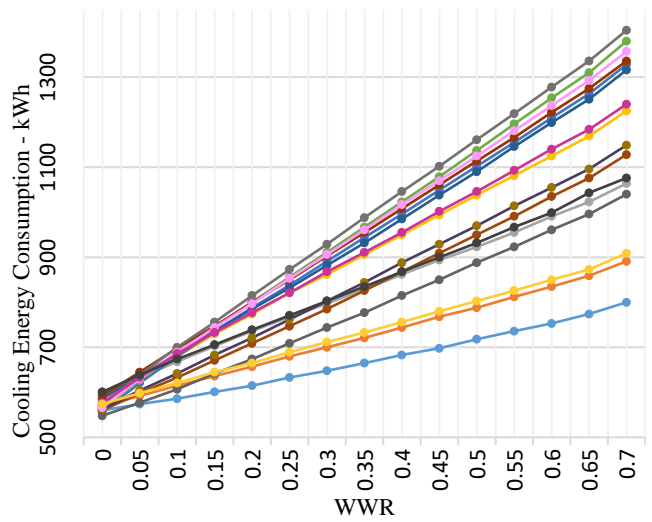


Fig. 7. Impact of WWR of cooling energy Consumption

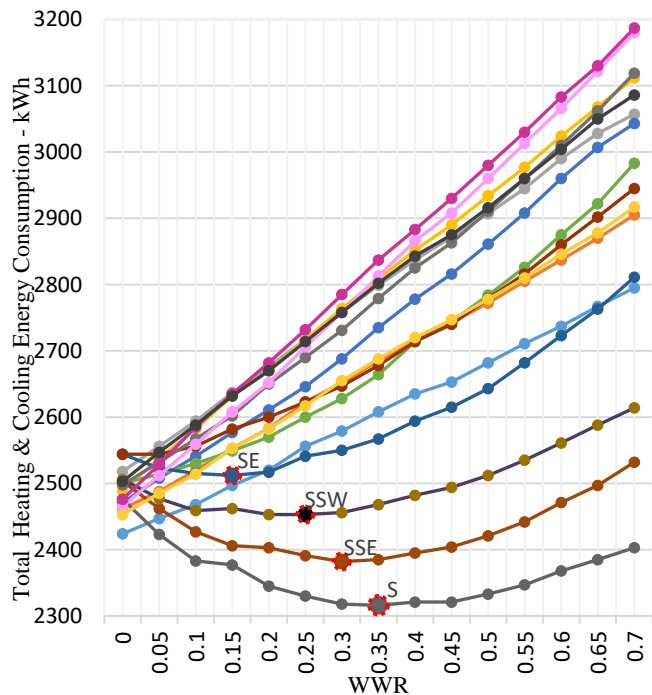


Fig. 8. Impact of WWR on total heating and cooling energy consumption

3.3 Energy Savings potential of various WWRs and window orientations

The bar charts in Figure 9 and Figure 10 present the comparison of the total energy demand of various WWRs for all window orientations with the room without any window. The charts simplify the study results to help practicing architects improve the energy efficiency of building façades. The value is defined as the energy consumption ratio (ECR).

$$ECR = \frac{E(WWR_{0.05-0.7}, WO_{0.05-0.7}) - E(WWR_0, WO_0)}{E(WWR_0, WO_0)} \times 100$$

ECR shows the percentage of energy savings or raise, WO is the window orientation, and E (WWR, WO) presents the amount of energy at certain WWR or WO.

As shown in Figure 9 and Figure 10, window orientations SE, SSE, S, and SSW have the potential to save energy. However, the amount of savings differs according to WWR. The maximum amount of energy saving (6.5%) is achieved when WWR is 0.35 at the south orientation. On the other hand, the energy demand increases by up to 29% when WWR is 0.7 at the west orientation.

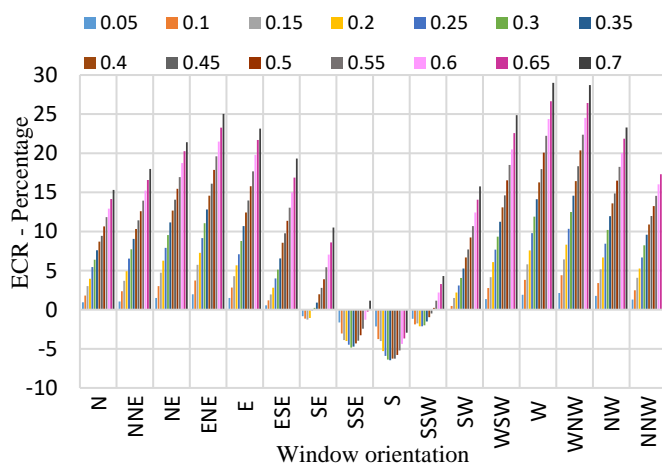


Fig. 9. The increase and reduction in total energy consumption as function of WO

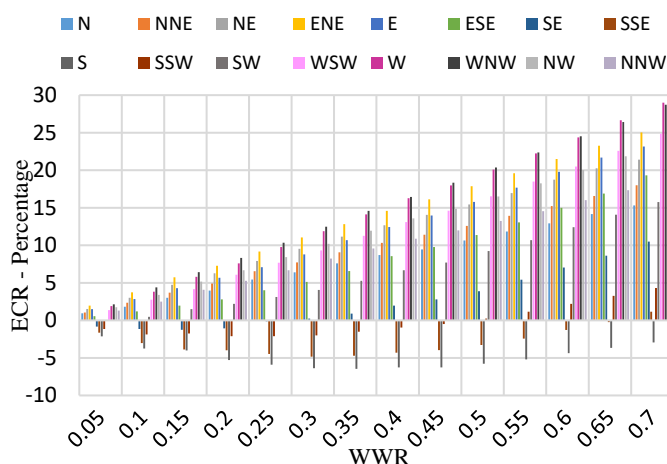


Figure 1. The increase and reduction in total energy consumption as a function of WWR

4 Conclusion

This study investigated the impacts of window-to-wall ratio and window orientations on the energy performance of a small room with a double-glazed windows in the climatic

condition of Kabul, Afghanistan. To find the optimal WWR for all window orientations regarding to energy efficiency, multiple simulations have been performed using the BEopt™ software with the support of the EnergyPlus™ energy simulation engine.

According to the results, the optimal WWR differs depending on the orientation of the windows. Under the climatic conditions of Kabul, the heating load accounts for a large portion of a building's total energy consumption and providing larger windows in certain orientations that can maximize solar gain leads to a significant reduction in heating energy demand as well as total energy demand. Therefore, optimizing WWR in all orientations is an essential factor for building energy efficiency. In general, windows of certain sizes in the orientations SE, SSE, S, and SSW result in a reduction of energy demand by 1.3% to 6.5%. However, installing large windows in other façades increases energy consumption by up to 29%. In addition, the bar charts developed in this study provide a basis for practicing architects and builders to design energy-efficient buildings at a faster pace to meet the high demand for housing in the capital city.

A short summary of the findings is as follows:

- Providing windows without shading device on the SE, SSE, S, and SSW façade have the potential to save energy.
- Windowless façades on other façades except SE, SSE, S, and SSW orientations would be more energy efficient compared to façades with any size of windows.
- Windows on the east façade are comparatively efficient than the west façade windows as they contribute to heating load reduction. Furthermore, windows with appropriate shading on east façade can reduce total energy consumption.
- East and west façades receive solar radiation at a very low angle during the hot season, requiring long projection of overhangs that are difficult and inefficient to construct. Therefore, vertical shading devices on both the east and west façades would be more effective.
- Windows of smaller height on the east and west façade are more efficient as they require small overhang projections.
- The results of this study would help the Architects to properly zone spaces and arrange rooms accordingly for both new and retrofit buildings.

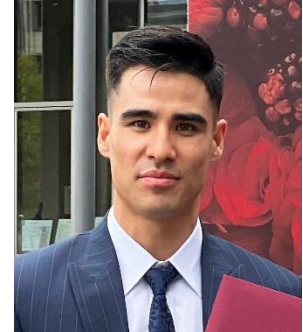
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Brief Biography of Mustafa Karimi:

Mustafa Karimi, born in Kabul and having spent his formative years in Pakistan, embarked on a remarkable educational and professional journey. He earned his Bachelor's degree in Architecture from MA-NIT, Bhopal, India, supported by the prestigious ICCR scholarship.

Following his graduation, Mustafa dedicated 3.5 years to work as an architect with the Ministry of Urban Development and Housing (MUDH/MUDL) in Afghanistan.

Continuing his pursuit of knowledge, Mustafa completed his Master of Science (MSc.) at Ritsumeikan University in Japan, where he was awarded the prestigious MEXT scholarship. Currently, he is a Ph.D. candidate at Ritsumeikan University, Japan, where his research focuses on sustainable architecture and indoor air quality.

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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.

An Email from Ustad **Hafizullah Wardak**:

Dear Azadzoi Sahib,

Thank you for your outstanding leadership as the President of the Afghan Engineering Society (ASE), for the challenging volunteer work, and excellent communication, and for moving the Afghan Engineering Society to become a progressive and dynamic organization. You are leaving impressive leadership footprints that are a guide for Afghan engineers to follow. It is worrisome news that you have decided not to continue to be the president of SAE president for the next term beginning in 2024.

I am a firsthand witness to your hard work, the one who has an inspiring vision for the future of the SAE organization. You made efforts to motivate and engage Afghan Engineers, young and seniors to join the Society and work together as a team that can participate in the reconstruction of our homeland and increase the technical knowledge and capabilities of the Afghan engineers inside and outside Afghanistan. During your tenure as president of SAE, the membership grew to a record high. You worked diligently to deliver your vision. You introduced the SAE and Afghanistan to Universities across the globe, an outstanding achievement, and congratulations to all those who participated in the Bamiyan Project.

You always communicated issues and news from Afghanistan to the members of SAE and provided opportunities for members' contributions which are important for building a cohesive, productive, and inspired membership. I certainly appreciate your open-mindedness and flexibility in resolving technical and organizational issues to achieve results and reasonable final decisions. You have proven that patience on team issues achieves better results and keeps the team focused on solving and participating in a constructive manner. Thank you for reminding me and the rest of the team members of our continuous improvements. Overall, you have been an outstanding leader, and wish you further success and good health for the future.

I would also like to thank Manan Khalid Chairperson of the Board of Directors, who contributed to the collective excellent efforts of leadership. Khalid Sahib has been a key member of the leadership team, for moving the Society Forward and resolving issues objectively. Lastly, thanks to the entire membership of the Board of Directors for their contribution to Society.

Wish you all the best, and thank you again for leading the SAE Society
Hafizullah Wardak

Dear Ustad Wardak Sahib: I sincerely appreciate your kind words. Najim Azadzoi

Rukhsar Halimi <rukhsarhalimi96@gmail.com>

To:Najim Azadzoi

Fri, Jul 7 at 2:10 AM

Thanks a lot that add me in your SAE NEWSLETTER and accepts me as a member of the SOCIETY OF AFGHAN ENGINEERS

Thank you, Rukhsar, for your interest to the Society of Afghan Engineers and we welcome you as a new member from Afghanistan. Please feel free to provide us with your ideas and opinion on how the Society can better serve the Engineering communities in Afghanistan.

Najim Azadzoi

Baha, Zarjon <bahaz@purdue.edu>

To:Najim Azadzoi,Jalal Masumi,Ghulam Mujtaba,Gul Afghan Saleh,Manan Khalidand 77 more.

Thu, Jul 6 at 2:47 PM

Dear Azadzoi sahib: Assalamu-alaikum

I was out of town and away from my e-mails for a while and was glad to receive the July 2023 ASE newsletter.

The work is outstanding and congratulations for another great accomplishment.

I would recommend that you would find another member to step up for this responsibility. You have devoted enormous amount of time for the work of our society. We do not want to overwork you or that you may not be able to have time for other important issues of our society.

You make us all proud to be leading our society.

Best wishes always.

Zarjon Baha

Muhtaram Ustad Baha Sahib: I and the Society in general are proud to have you with us and you have always guided us in every activity of the Society in the past.

Najim Azadzoi

wardak@comcast.net <hwardak@comcast.net>

To:'Najim Azadzoi' and more

Mohtarem Azadzoi Sahib, the President of SAE Aslamu- Alaikum

The July issue of the SAE Newsletter that you prepared was gladly received and it looks professional and pleasantly informative reading its content.

I would like to express my sincere thanks for the kind words that you have mentioned about me, and you made them part of the Editor's Note.

It was an honor and privilege for me that I served under your outstanding leadership, as Editor in Chief of the SAE newsletter. Your leadership has moved the Society of Afghan Engineers to a

higher level, where a technical society needs to be. I have witnessed how much personal time and effort you have been allocating daily for the Society's affairs. It is the result of your persistent, inspiring, and sincere efforts that the Society of Afghan Engineers is now being acknowledged and its newsletter and website are read by students at universities of other countries around the globe.

Thank you for your remarkable, inspiring and phenomenal efforts.

Regards
Hafizullah Wardak

Thank you Ustad Wardak Sahib. Najim Azadzoi

A.Mobin Ezzat <ezzate.mobin@gmail.com>
To:Kazimee, Bashir A
Cc:Abdul

Thu, Jul 6 at 2:42 AM
Dear Azadzoi Sahib,

Thanks for sharing the SAE eNewsletter, which is really a great job.

Wish you all success and more achievements.

Regards,

*Dear Ezzat Sahib: Thank you very much for your kind words of encouragement.
Najim Azadzoi*

mohammad azim alozai <mazimalozai@gmail.com>
To:Najim Azadzoi
Wed, Jul 5 at 1:23 AM
Dear Azadzoi Sahib,
Thanks for your hard work, and hope for its best,

Br,
Alozai

Thank you Alozai Sahib. Najim Azadzoi

Kazimee, Bashir A <bkazimee@wsu.edu>
To:Najim Azadzoi
Cc: more...
Tue, Jul 4 at 12:53 PM

Najim Saahib - the NEWSLETTER looks great - inclusion of Bamiyan competition images and content is wonderful- congratulations and thanks again for your hard work on it.
Regards,

Bashir Kazimee

*Thank you Kazimee Sahib.
Najim Azadzoi*

Hashmatullah Atmar <atmar_hashmatullah@yahoo.com>
To: walidhowaida@gmail.com, Najim Azadzoi
Cc: More
Tue, Jul 4 at 3:55 AM

Dear Azadzoi Sahib!
Thank you so much for your always great works.
Best regards
Hashmatullah Atmar
PHD. Architect
Email: atmar_hashmatullah@yahoo.com
Phone and whatsapp: +93799376998

*Thank you Atmar Sahib
Najim Azadzoi*

Sharif Hossainy <sharifhossainy@hotmail.com>
To: Najim Azadzoi and 77 more...
Cc: b Pashwak.
Fri, Jul 7 at 10:33 PM

Dear Azadzoi Sahib Mohtaram Asallam-o- Alaikom,
I acknowledge receiving your email, regarding the third quarterly issue of the year 2023 SAE eNewsletter. Thank you and Editorial subcommittee, Ustad Mohtaram Eng. Manan Khalid's and Ustad Mohtaram Dr. Hassani's for kind efforts and volunteering.
Indeed, you took on a lot of work in addition to your other commitments, you and your colleagues succeeded to put the July 2023 issue eNewsletter in our reach.

Best Regards

Sharif Hossainy

*Thank you Muhtaram Hossainy Sahib
Najim Azadzoi*

Dr. Nadir Sidiqi Ph.D.

President/Dean of Academics
BioNatural Healing College (BNHC)
<http://www.bionaturalhealingcollege.org>

Muhtaram Eng. Sahib Azadzoi Assalam Alyaiikum

Indeed, I am in debt of responsibility to acknowledge and mention. Thank you for sharing the SAE e-Newsletter very informative and useful July 2023 edition.

I appreciate your hard work and dedication as well as the respected Editorial Board and past Muhtaram Eng. Sahib Wardak and Muhtaram Ustad Sahib Mujtaba. Wishing you all healthy and prosperity

Best regards,
Nadir Sidiqi

*Thank you Sidiqi Sahib
Najim Azadzoi*

Mustafa Karimi <mustafa7karimi@gmail.com>
To:azadarch@aol.com

Dear Arch Najim Azadzoi,

Greetings!
Hope this email finds you well.

I want to express my gratitude for your interest in my research paper. I'm pleased to provide you with the paper, and I've attached the paper and my brief biography to this email for your convenience.

Thank you once again for your interest, and I look forward to any future discussions or collaborations that may arise from this exchange.

Best Regards,
Mustafa Karimi
*1-1-1 Nojihigashi, Kusatsu 525-8577, Shiga, Japan
Ritsumeikan University
Graduate School of Science and Engineering
Department of Environmental Cities
Building Environment / Equipment Laboratory
Tel. +81-70-9093-4466
Thank you Mustafa Karimi, we are proud of you.
Najim Azadzoi*

Sahar Mahmood <engsaharmahmood1@gmail.com>

To: Najim Azadzoi

Sat, Sep 9 at 3:02 PM

با عرض سلام و احترام خدمت شما جناب آزادزوی؛

امیدوارم لباس عافیت بر تن داشته باشید.

من یک ایده در ذهن دارم و جهت عملی شدن آن به رهنمایی ارزشمند شما نیاز دارم.

قسمی که در جریان هستید رشته انجیری به دختران در افغانستان بند شده چی محصل، فارغ التحصیل و یا کارمند در بی سرنوشتی و در گوشه از خانه هستیم که اگر مدتی بیشتر بگذرد اندوخته ها و زحمات ما به باد فراموشی سپرده خواهد شد.

من تصمیم گرفتم یک صفحه بسازم که از آن طریق به دختران افغان کورس های آموزشی، سمینار ها و ورکشاپ های رایگان برگزار شود. من با تعداد کثیر از دانشجویان در ارتباطم که میشود یک خدمت شایان در عرصه انجیری شود. در ضمن هفته یک بار میخواهم از زنان انجیر که در بخش داخلی یا خارجی کار کردند یک انترویو بگیرم و در صفحه خود به نشر بسپارم.

من در پایان شماره واتساپ خود را هم مینویسم و منتظر نظر و مشوره تان هستم.

با احترام

سحر «محمود»

شماره واتساپ: +93766157707

تشکر سهر جان عزیز. شما با نماینده انجمن آقای ولید هویدا در تماس شوید

نجیم آزادزوی



Engineering Job opportunities With Planate

The following positions are available at Planate Management Group

Planate Management Group (PMG) is a Service-Disabled Veteran-Owned Small Business (SDVOSB) headquartered in Alexandria, Virginia, and Orlando, Florida USA with technical support centers in South East Asia and East Africa, that provide 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.

[Electrical Engineer \(Kinshasa, Democratic Republic of Congo\)](#)
[Civil/Structural Engineer \(Kinshasa, Democratic Republic of Congo\)](#)
[Mechanical Engineer \(Kinshasa, Democratic Republic of Congo\)](#)
[Construction Superintendent \(Washington DC\)](#)
[Construction Manager \(Washington DC\)](#)
[Project Specialist \(Washington DC\)](#)
[Financial Analyst \(Washington DC\)](#)
[Contract Specialist \(Washington DC\)](#)
[Mechanical Engineer \(Palo Alto, CA\)](#)
[Design Manager \(Albuquerque, NM\)](#)
[Mechanical Engineer \(Subic Bay, Philippines\)](#)
[Civil Engineer \(Subic Bay, Philippines\)](#)
[Senior Robotics Engineer \(Subic Bay, Philippines\)](#)
[Fire Protection Engineer \(Subic Bay, Philippines\)](#)

Please visit our career site <https://planate.com/careers/> to view other job requirements.
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Why Planate?

Planate Management Group is an Affirmative Action and Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, or protected veteran status and will not be discriminated against on the basis of disability.

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We'd love for you to be a part of our Global workforce, helping us serve as an effective and integrated partner to advance every client's mission!

Please do not hesitate to reach out for clarifications or questions.

Thank you!

Very Respectfully,

Mapet D. Santos, CRSP

Senior Technical Recruitment Officer

Planate Management Group, LLC

1800 Diagonal Road, Suite 600

Alexandria, VA 22314

Tel: +1 (407) 674-5454

www.planate.com

Please do not hesitate to reach out for clarifications or questions.

Thank you!

THE 2023 SAE MEMBERSHIP RENEWAL

Dear Members of the Society:

The Management of the Society of Afghan Engineers (SAE) would like to remind all members that 2023 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.

<https://www.facebook.com/groups/275329343923115>

Sincerely,

Najim M. Azadzoi, AIA, SAE President

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: Najim Azadzoi, E-Mail: azadarch@aol.com; A. Wahed Hassani, Email: awhassani@gmail.com; and A. Manan Khalid, E-Mail: manank10@gmail.com;

The attached form includes application for the new members and membership renewal. The application forms may be viewed at SAE website. The members are requested to take a few minutes of their time to inform the Society by sending their updated contact information.

The completed application/renewal forms may be mailed to:

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

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

Thanks for their generosity.

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

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

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

Canada; Najim 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 Acting Chairman: Najim Azadzoi

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

SAE eNewsletter Editorial Board: Acting Editor –In –Chief: *Najim Azadzoi*

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

SAE eNewsletter Regional Representatives: Abdul Hamid Layan -Kabul:

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THE SOCIETY OF AFGHAN ENGINEERS MEMBERSHIP APPLICATION

Full Name: _____

Address: _____

Phone: Home: _____ Office: _____

Email: _____

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

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

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

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

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

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

Amount of Annual 2023 Membership: \$100.00

Donation: _____

Total: _____

Suggestion and comments: _____

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

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

SAE Bank Account Information:
Account Name: **Society of Afghan Engineers**
Bank Name: **Truits**
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: _____

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

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

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

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

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

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

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

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

Suggestion and comments:

THE SOCIETY OF AFGHAN ENGINEERS

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

Website: www.afghanengineers.org

SAE Alternative Mailing Address (Optional)

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

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

**The Society of Afghan Engineers
c/o 6265 Franconia Road**

Alexandria, VA 22310

USA



MEMBERSHIP NEWS

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

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