



al-Imara

العمارة

Newsletter of the Department of Architecture and Urban Planning

<http://www.qu.edu.qa/engineering/academics/architecture>

Volume 3, Issue 2 | Spring 2020

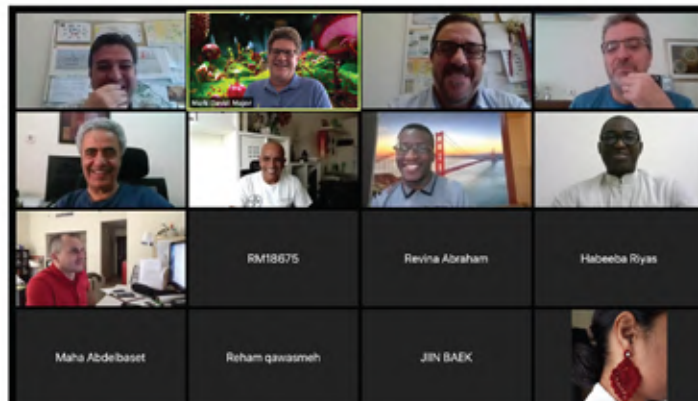
DAUP @ QU Goes Virtual

Qatar University's suspension of live classroom activities and large gatherings on campus thrust the Department of Architecture and Urban Planning, College of Engineering into extraordinary circumstances to help arrest the spread of the novel coronavirus (COVID-19) in the State of Qatar beginning on Tuesday, 10 March. This necessitated a quick transition to virtual teaching and learning using online platforms such as Blackboard Collaborate, Zoom, Microsoft Teams, Skype, and Facetime, as well as good 'old-fashioned' avenues of communication such as email and the telephone, as faculty, staff, and students sheltered-in-place at home. Our students, faculty, and staff successfully surmounted a steep

learning curve so classes and tutorials in virtual classroom settings could resume on Sunday, 15 March. The DAUP family overcame a few, initial technical difficulties by supporting each other in parallel with the generous support of QU ITS to continue delivering content to fulfill the student learning objectives of our courses, labs, and studios.

This has meant many changes. Many planned events and competitions in the DAUP were

postponed "until further notice" (see updates in this newsletter). Some people's travel plans changed. A few people departed countries, where some of the worst clusters of COVID-19 would quickly emerge, to return to the QU family at a fortuitous moment. Continue to monitor your emails for the most recent announcements from the university, college, and department as the circumstances evolve on a day-by-day and week-by-week basis.



DAUP faculty and staff participate in a virtual departmental meeting using Zoom on 20 April 2020 (Image: DAUP-CENG-QU).

As always, our DAUP students rose to the challenge before us with DAUP faculty and staff providing invaluable support (and *vice versa*). It is true that we miss seeing our friends and colleagues every day on campus. We are in this together, even though we may

be apart at our individual homes. If your household was directly affected by COVID-19 during this time, then the hopes, thoughts, and prayer of everyone in the DAUP reside with you and your families. We will get through these circumstances until we will "be seeing you in all the familiar places."

The DAUP will be stronger for passing this test. Until then, stay positive, stay strong, work hard, and remain healthy!



From the Head of Department



Welcome back to a fresh Spring 2020 semester with the Department of Architecture and Urban Planning (DAUP @ QU)! This is the sixth issue of *al-Imara*, and we look forward to receiving your useful

comments and supportive feedback as usual! In this issue, our articles will colorfully demonstrate the artistic world of architecture and design in DAUP @ QU. The diversity of our achievements as a department over the past few years proves how – with teamwork, collaborative effort, and powerful persistence – the department has been able to grow, develop, and perform at the highest standards of architectural education. To everyone that has been part of this newsletter, thank you for taking the time to contribute and entertain so many others with your insights and experiences. To all our readers out there, we hope that you enjoy this latest issue, and that some of you might feel inspired to contribute in future issues. Let's look through this issue to further celebrate the amazing work and accomplishments of our beloved students and future architects, as well as to our valuable faculty and staff.

Finally, I would like to encourage you all by writing a few words as an enlightening note of positive vibes and optimism; despite the situation we face during these uneasy times of COVID-19. I would like to wish you a safe stay and healthy working from home. While going through these circumstances, I am sure we can turn these challenges into positive experiences and opportunities to accelerate our plans for digitizing design studios as architectural teaching and learning experiences. We are strong enough with the knowledge, skills, and optimistic spirit to overcome these times and come out even stronger as one family at the end. To DAUP students, faculty and staff: COVID-19 is a challenge that we are turning into a bright opportunity to enlighten our future. Keep safe, keep well! We look forward to bringing you the best of *al-Imara*.

Dr. Fodil Fadli
15 April 2020

ABOUT THIS ISSUE OF AL-IMARA From the Editor



Welcome back! We are living in a smart world getting smarter all the time. Defining human needs and creating new ideas is our role. Architecture is one of the main portals for providing the world what it

needs and, through our graduates and students, we hope to provide outstanding results and creative endeavors that put our students' names out there in the world. There are many interesting and informative topics about architecture and students' projects in this issue. Sit back and enjoy our collection of news. In conclusion, I hope that during these challenging times of COVID-19 and new e-learning strategies that we learn more by being challenged in new and exciting ways, gaining expertise and knowledge along the way. After all, I'm confident we are well equipped to surpass this time with the best results and outcome, as always. Enjoy *al-Imara*.

Architect Reham A. Qawasmeh
15 April 2020

al-Imara العماراة

Newsletter of the

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THREE QUESTIONS

New Faculty Dr. M. Faris Khamidi

DAUP welcomed new faculty and staff in Fall 2019. Our new Associate Professor, Dr. M. Faris Khamidi, joined us from the University of Reading Malaysia. Since joining DAUP, Dr. Faris has taught Year 3 Design



Studio and the Design Methods & Theories course for our undergraduate students. In this issue Dr. Faris answers 3 questions, so you can get to know him better.

Who is your role model as an architecture student?

When I was an architecture student, I was always fascinated and inspired by the Japanese architects like Tadao Ando, Arata Isozaki, Kengo Tange, Kisho Kurokawa, Toyo Ito, Kengo Kuma and recently Shigeru Ban and many more. In Japan, Zen-influenced design is often admired for its unique simplicity and minimalist approach. This philosophy powerfully define the aesthetics of Japanese architecture; be it traditional or contemporary!

How is your experience as a new faculty at Qatar University so far?

Very exciting and self-fulfilling. But there are still plenty to learn. Teaching is always my passion. Oops... that's the 3rd question, right? Nevertheless, I am a strong advocate of 'learn – unlearn – relearn' mantra. It is always the continuous learning curve moving forward.

What are you passionate about?

I always passionate about teaching. As a teacher or educator, I always give the best to my students. And the best here means I will go hands-on

UPCOMING EVENTS

Ramadan
Friday, 24 April–Saturday, 23 May 2020

Last Day of the Spring Semester Classes
Thursday, 30 April 2020

Final Exam Period
Sunday, 3 May–Thursday, 14 May 2020

End of the Spring Semester for Students
Thursday, 14 May 2020

Stay tuned for more event announcements!

and all the extra miles to explain and demonstrates to make them understand. To me this is our future and we need to nurture these students in the right mold in order to give this generation of future architects to not only do well but even better in every aspects of their professional career as well as human being. And there is one more thing, reading and traveling. It will be a fantastic if I can do both at the same time.

Biography

Dr Faris Khamidi is an Associate Professor in the DAUP-CENG at Qatar University. In 2005, he completed his PhD in Architecture Engineering at Kyushu University in Fukuoka City, Japan.



Dr. Magda Sibley (thrd from the left), Reader and Director of International Collaboration at Welsh School of Architecture, Cardiff University in the UK visited the department on 18-19 February 2020 aiming to develop collaboration ventures in teaching and learning experiences as well as academic research (Image: DAUP-CENG-QU).

TEACHING FOCUS

2020 AEB Architecture Excellence Award

We are pleased to announce the 2020 AEB Architecture Excellence Award in the Department of Architecture and Urban Planning, College of Engineering at Qatar University. Senior student Maryam Alkuwari won First Prize at 10AD in 2019.

DAUP and AEB are pleased to invite senior students of the Department of Architecture and Urban Planning to register and submit their design projects for the 2020 AEB Architectural Award. AEB aims to recognize the excellence in design and education displaying exceptional approaches to architectural design. Further, our goal is to promote and share architectural experience and knowledge among young architects and academics. We celebrate those who push boundaries and set new standards. AEB recognizes that excellence in architecture goes far beyond practical buildings. The award was instituted by Architect Ibrahim Jaidah to encourage and assist graduating students as they begin their careers as professional architects in Qatar. Jaidah is recognized as a pioneer of a new architectural

movement combining the far-reaching influences of Islamic art with modern styles to create memorable landmark structures shaping the State of Qatar. We believe that great architecture is about creating long-lasting designs that will remain for generations while inspiring people and enriching their lives. Innovative buildings, designs, and landscapes can help reform the way we live our lives for the better and enable us to make the most of the space we have. This award recognizes exceptional architectural innovation of young architects in Qatar. All senior students of the Department of Architecture and Urban planning in Qatar University are eligible to submit their projects for the competition. All entries will be reviewed by an independent jury that will select the winners, which will be announced at a future date.

The competition is running but the submission deadline has been postponed until further notice. Nonetheless, our seniors are feverishly working even now to win this year's award. Good luck, Seniors!

Tuhfa Qatar 2020 Sustainable Public Art Student Competition 1st Edition

The Department of Architecture and Urban Planning (DAUP), College of Engineering at Qatar University (QU) is pleased to invite QU students and Alumni from other colleges in Qatar University to submit their design for the first edition of "Sustainable Public Art Competition - Tuhfa Qatar 2020" sponsored by The Arab Engineering Bureau (AEB) and Msheireb Museums.

The Qatari Government made significant investments to commission established artists to deliver authentic new pieces of public art. The current focus of the Qatari government is on sports, resilience and diversification of the economy. In this third category, Sustainable Public Art could become a major player to attract tourists to visit Qatar.

Public Art in Qatar is becoming a prime feature to improve the visitor engagement outdoors. The combined efforts of disciplines such as architecture, design, art, and engineering will open a new territory for creative designers in Qatar. The Department of Architecture and Urban Planning (DAUP) at Qatar University believes that it is important to educate its students to develop concepts and proposals for art on the larger scale of architecture and landscaping, to show leadership and become cultural influences in the creative community of Qatar.

More details including the competition guidelines and requirements are available in this issue of *al-Imara*. The competition is running but the submission deadline has been postponed until further notice.

STUDENT FOCUS

QU-AIAS (Re)Elects New Officers & Reps

In January 2020, the governing board of the Qatar University chapter of the American Institute of Architecture Students (QU-AIAS) re-elected most of its existing slate of officers for another term in office including President Maryam Al-Nuaimi, Treasurer Shaika Al-Thani, and Secretary Moza Al-Obaidan. Afrah Al-Housaly (senior), Rowaida Elnahas (fourth year), and Fatima AlHajri (third year) were also re-elected as batch representatives for another year.

Due to the imminent graduation of Vice President Alreem Alemadi, Bashayer Al Naimi (second year representative) was elected as the new QU-AIAS Vice President for the 2020 term. Alreem's student association leadership will continue as she serves as the co-representative (with Afrah Al-Housaly) for the senior batch until the end of the Spring

2020 semester. New batch representatives were also elected for the second and first year batches. Ghalya Nasser Al-Maadeed was elected the new representative for the second year batch. Hissa Sultan Alsulaiti was elected as the representative of the first year batch.

QU-AIAS is one of the largest, most active non-USA chapters of the American Institute of Architecture Students in the world today due to the QU-AIAS leadership team over the past few years. We have tremendous confidence in our (re)new QU-AIAS leadership and we continue to look forward to the ever-onward march of the student association over the next couple of years. See the back page of *al-Imara* to learn more about QU-AIAS and how to become a member and contribute today!



New QU-AIAS Vice President Bashayer Al Naimi speaks to potential students at the Architecture Booth during Orientation Day in the Spring 2020 semester (Image: DAUP-CENG-QU).



Architect Mei Chee Seong speaks "(Un)Comfortable Architecture Touch" about at the DAUP Public Lecture #5 on 10 February 2020 (Image: DAUP-CENG-QU).



Dr. Mark David Major and RA Heba O. Tannous present at the 5th ISUF-Italia 2020 International Conference hosted by Sapienza Università di Roma at the Center for American Studies, Palazzo Mattei di Giove in Rome, Italy on 20 February 2020 (Image: DAUP-CENG-QU).



STUDENT FOCUS

A Message from the QU-AIAS President



by Maryam Al-Nuaimi
QU-AIAS President

With the current situation of the world, it is a bit difficult to not feel down or stressed every now and then. There was a sudden change to our daily lives, routines, and habits. We all hear news that is often grim, and witness the spread of fear in others. So, it is normal to feel uneasy. However, it is important to remember that what we go through now is not permanent. The day will come where we hear on the news about this situation coming to a resolution. This is not the first dilemma humanity has gone through and certainly not the worst. With each passing day, the situation is improving slightly. People are working hard to fight this situation, so that soon we can all go out and

resume living our lives like we did before. Do not feel discouraged, this will all come to pass, and we will all be all right. Just as we would have all done our best before, do your best now. Show that no matter the circumstances, you can still excel. After all, we have all made it this far in our own paths, so you cannot give up now! It is all right to be stressed or down. What matters is to not let it get to you. In fact, this is the perfect time to work on design studio project in the comfort of your bed, present your final jury in your sweatpants, and enjoy the fact that you do not need to make a physical model. So, grab your snacks, lay back, and work at your own pace. You will be all right. Remember that even though we are apart, we are in this together. Your QU-AIAS officers and representatives, friends and colleagues, and DAUP faculty and staff are here to help in any way we can, even if it is only to alleviate your concerns. Stay safe!



العدد 11577
الطبعة 28 جمادى الآخرة 1441هـ | 22 فبراير 2020م

4 قطر



تكریم 18 طالباً وطالبة شاركوا في «قلم رصاص»

قام سعادة الدكتور إبراهيم النعيمي وكيل وزارة التعليم والتعليم العالي، والأساتذة فوزية خاطر وكيل الوزارة المساعد للشؤون التعليمية الخميس الماضي بتكريم الطلاب الفائزين، والجهات الخاتمة للمعرض بمدعى الفنون البصرية الرابع «قلم رصاص» إضافة إلى المشاركين في الندوة المقامة على هامش المعرض. وتم تكريم مركز الفنون البصرية -مقر الفنانين مطافى- وكل من: مدرسة أبو بكر الصديق الإعدادية، ومدرسة أبو حنيفة النموذجية.

وأعدت السلام عن موضوع المعرض الخامس في العام المقبل وهو موضوع الأرض. وعقدت بقاعة جاسم بن حمد بمبنى رصاص، مسابقة الشامة وقوة الدول، ضمن فعاليات معرض مدعى الفنون البصرية الرابع، ادارتها السيدة سعاد السالم. وشارك فيها كل من الدكتور شريف عمور العميد المشارك للشؤون الأكاديمية وسرفيسور جامعة فرجينيا كوسبولت، كشيبة فنون التصميم في قطر، والدكتور فضيل فاضلي رئيس قسم العمارة والتخطيط العمراني بكلية الهندسة، جامعة قطر، والدكتورة لطيفة المغنصيب استاذ مساعد بقسم العلوم التربوية جامعة قطر، والدكتور نبيل يحيى خبير بمناخ قطر، والدكتور عمرو ابوالهدى موجه فنون بصرية بوزارة التعليم والتخليم العالي.

بين الرسم بشكته التقليدي باستخدام القلم الرصاص وبيلية الفنون، ما أثار لدينا تساؤلات عديدة، ونظرات أعين نحو ما يمكن طرحه كمفهوم في النسخ المقلدة.

الابتكار والتجديد، من حيث تناول الشامة والإبداع والموضوع، ما يتجر لاستمرارية توحج الفكر الإبداعي لدى المعلم الفنان وشلايه في خوضهم لتجارب وتحديات جعلت طرحهم ما

سعاد السالم رئيس قسم الفنون البصرية والمسرح أن المعرض ينسخته 4 بعنوان القلم رصاص، يعد نقاشرة فنية بصرية كبيرة، حيث إنه قد فتح مسارات فنية جديدة تؤكد استمرارية



الندوة - العرب

كما جرى الإعلان عن أسماء الطلاب الفائزين بإقامة الصيفية، وهم: 10 طلاب و 8 طابحات، وتكريم موجهي قسم الفنون والمسرح وتكريم منسق المعرض، وتكريم اللجنة الإعلامية، وتكريم لجنة الخط العربي، وتكريم لجنة الورش الفنية، وتكريم المدارس، وتوزيع شهادات المشاركة بالمعرض. أيضا شهد الحفل تكريم طالبات كلية الهندسة بجامعة قطر لشاركتهن بأعمال متميزة بالمعرض (4 طالبات) لأول مرة. وأعرب سعادة الدكتور النعيمي عن شكره وتقديره لجميع من أسهموا في إنجاح معرض قلم رصاص، مستبداً بالمستوى الفني الذي ظهر عليه لوحات المعرض، متمنياً كل التوفيق لجميع المشاركين. وفي الختام الإفتتاحية، أهدت السيدة

Local news coverage about the 'Pencil' Arts Exhibition and Seminar organized by Qatar Ministry of Education and Higher Education in Doha, Qatar on the 20 February 2020 (Image: DAUP-CENG-QU).



B.Arch. Alumni **Aisha Al-Mohannadi** of the Department of Architecture and Urban Planning, College of Engineering at Qatar University won the prestigious "The Education Excellence Day Award - 13th Edition 2020 Golden Medal: University Graduate" awarded by His Highness Sheikh Tamim Bin Hamad Al Thani, Emir of the State of Qatar (Image: Aisha Al-Mohannadi).

News Bits

B.Arch. Alumni **Aisha Al-Mohannadi** of the Department of Architecture and Urban Planning, College of Engineering at Qatar University won the prestigious "The Education Excellence Day Award - 13th Edition 2020 Golden Medal: University Graduate" awarded by His Highness Sheikh Tamim Bin Hamad Al Thani, Emir of the State of Qatar (see above).

Students **Louna Hussam Albatarani**, **Alalia Yaqoub Al-Jefairi**, **Fatima Abdulrab Al-Yafei**, and **Lulwa Abdulrahman Al-Noaimi** were awarded for their arts and architecture work exhibited at the 'Pencil' Arts Exhibition and Seminar organized by Qatar Ministry of Education and Higher Education in Doha, Qatar on the 20 February 2020.

Dr. Fodil Fadli was invited as a guest speaker for the 'Pencil' Arts Exhibition and Seminar organized by the Qatar Ministry of Education and Higher Education in Doha, Qatar on the 20 February 2020.

Dr. Mark David Major, Qatar Transportation and Traffic Safety Center (QTTSC), and the KINDI Center for Computing Science at Qatar University successfully secured a Qatar University Collaborative Grant (QUCG-CENG-20/21-1: The Doha Syntax, Phase 2: Urban Movement Network Validation of Space Syntax Model of Metropolitan Doha, State of Qatar) for two years in collaboration with the Qatar Ministry of Municipality and Environment, and ARRUS International WLL.

Dr. Fodil Fadli, **Dr. M. Salim Ferwati**, and **Dr. Djamel Ouahrani** successfully secured NPRP 12S grants on topics related to smart cities strategies, smart water energy nexus systems for FIFA 2022 WC stadia and sport facilities, and energy efficiency for poultry houses in Qatar as part of the flagship Qatar National Research Foundation (QNRF) research grants program.

The Department of Architecture and Planning hosted its first ever "Virtual Coffee Break" with faculty, staff and students on Wednesday, 22 April 2020.



Dr. Fodil Fadli participates in the panel for the 'Pencil' Arts Exhibition and Seminar organized in Doha, Qatar on the 20 February 2020 (Image: DAUP-CENG-QU).



Dr. Mark David Major speaks about Radwani House Form and Culture to a Vietnam Trade Mission hosted by AIA Middle East-Qatar on 19 December 2019 (Image: DAUP-CENG-QU).

PROJECT FEATURE: ARCT 511-SENIOR PROGRAMMING

Rawan Al-Abdulla

The problem is that Doha is now considered as the city of sports. However, there are no private facilities for women especially particular sports because of the mix-gender environment. Creating a sports facility that is specially designed for women

Project and Site Selection

Project:
The women sports facilities is a facility that provides different type of sports for women to practice. Moreover, the secondary function is the big multipurpose area where different events can take place.

Project Mission Statement:
The women sports facilities will give an opportunity for the women in Qatar to practice sports and it will increase the awareness of the importance of sports. This will lead the women in Qatar to have a healthier lifestyle by practicing sports.

Primary objectives:

- provide a private sport facility for women to practice sports in and encourage them to have a healthier lifestyle
- Create a public multipurpose space for people to gather in and have different events taking place in it

Secondary objectives:

- Create a new space for women to go to and practice sports as well as a new place for sports events to take place in the multipurpose space
- Give an image about how important sports is and that it can be practiced also by women

Site:
Site location: West Al-Sail
Plot dimensions: 490m x 300m
Plot area: 147000 sqm
Plot shape: rectangular

Site Selection:

- close to public transportation (bus and metro station)
- it is somehow in the center of Doha which makes it reachable from the north and south of Doha
- Site can be accessed easily from the main road near to a branched road.
- The site is far from neighborhood area and high-rise buildings

Architect as the lead actor

1) Qatar Women Sports Committee
Contact: Ms. Maha Al-Abduljabbar
Assistant of General Secretary

The committee agreed that it is important to have a women sports center:

- There are currently many sports facilities where women can practice sports in the Women Sports Committee but it is hard to create international teams that compete regionally and internationally
- They have a future plan of building more sports facilities to contain a more variety of sports such as table tennis and athletics.
- Sports (e.g., football, basketball, table tennis, handball, volleyball, tennis)

2) Community Survey
Contact: Personal survey
Women in Qatar

Literature Review

Sports in pre-Islamic	hunting, archery, polo, wrestling
Ancient Greece	chariot racing, horse racing, foot race, boxing, road racing, ball games, Roman Chess
Ancient Egypt	swimming, swimming, fencing, weightlifting, rowing, athletics, long jump, artistic, high jump
Traditional Qatar Sports	camel racing, horse racing, boat racing, falconry
Modern Sports	tennis, swimming, basketball, soccer, volleyball, badminton, table tennis

Precedent Studies

Inspire Pure Fitness Gym | Belgium

1. project description
Architect: Philippe Beaudou
Location: Salford, Greater Manchester
Client: Inspire Pure Fitness (previously) West-Link

2. Concept
To create a space and to part of an existing layout (inspired)

Locker room design
Maximum of establishing space in front of the existing swimming pool (light wood). Structure thus serves for the big space

Sport Centre Jules Ladoumègue | International

1. project description
Architect: Dietmar Feuchtinger Architects
Location: Paris, France
Client: City of Paris
Year: 2014

2. Concept
- Create a space for sports activities that integrates into a dense urban context
- To emphasize the multi-functionality of the space

Locker room
- The locker room is located on a higher level (over a parking) to allow an easier access to the sports center
- Distribution of lockers and sports equipment
- Common floor can be used for parking (working with the adjacent area)

Aspire Dome | Qatar

1. project description
Architect: HOK
Location: Doha, Qatar
Client: Aspire Logistics
Year: 2014

2. Concept
Provided unattached facilities for the growing independence of student activities

Locker room
Structural system
University of housing (over a parking) to access the Aspire

Doha is known as the capital of sports. It will host big sporting events such as the world cup in 2022, the world cup in 2006 and the world cup in 2002.

The year 2022 is around the corner. It will be chosen will be related to the awareness about the importance of sports during the world cup and at the same time.

The big idea
The big idea is to design a sports facility where 3-4 sports will be chosen based on preferences. Moreover, a sports facility designed and used as a multipurpose space for a cup-event, this area can be considered as special about this facility is to be used by women.

Project need
In Qatar, there are small sports facilities, but not as a separate facility found in Qatar. Aspire is quite different. They take care of their learning and sports. This large project which contains different sports, aquatic center, Aspire dome, Aspire hospital and Khalifa International Sports Zone is somehow similar to the different sports. The facility is designed for men and women but, however, not privately which is the problem.

Practicing sports is important for women. It helps with stress relief, strengthens the heart, improves the risk of heart disease, improves the immune system, and much more. Everyone should practice sports and there should not be a barrier for women. Since women are not allowed to practice sports in a mixed environment, separate private facilities for women are needed.

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PROJECT FEATURE: ARCT 511-SENIOR PROGRAMMING Doha Women's Sports Facility

Especially since the separation between men and women in the Qatari culture is well-known. Most women cannot practice sports and will encourage them to practice different sports.

Site Analysis

Map of Qatar

Arrival to Site (vehicular)

Arrival to Site (pedestrian)

Climate and noise

Surrounding Facilities

Climate and noise

Surrounding Facilities

Site Response

1. Traffic

2. Climate and noise

3. Surrounding Facilities

4. Views

5. Fencing vegetation

6. Pedestrian mobility

Program

Space Identification & Allocation Comparison

Space quality chart

Architectural Matrix

Public Program - Women Level

Public Program - Men Level

Space Program Sheet

Space	Area	Program	Notes
...

Physical Constraints

Constraint	Area	Notes
...

Concept and design alternatives

Criteria	Alternative 1	Alternative 2	Alternative 3	Alternative 4
Foot quantity	100	102	101	102
Shaded areas	110	112	110	111
Separation between public & private	100	101	100	101
Maximum sea view	100	102	101	102
Natural ventilation	100	102	101	102

Sports and it has hosted and (such as the Asian games in 2006). The project is a big event will be the world cup. The project is designed to have a role in the same time, it will raise the status of sports in our life. The center of a sports facility is designed according to people. The area of the project will be a purpose area. During the world cup, it will be converted into a fan zone. What is it will be targeted to

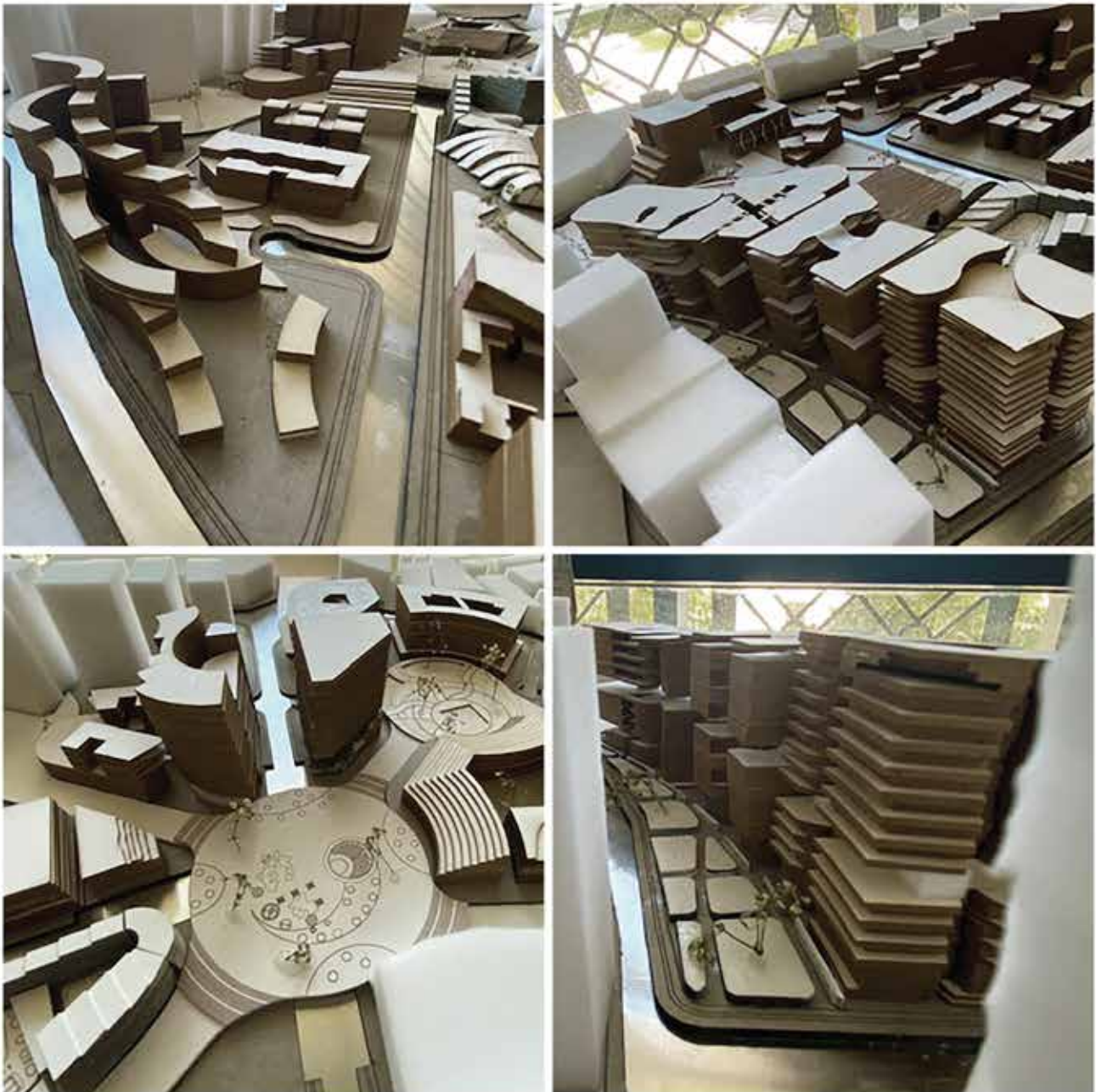
or more precisely it mostly takes a small building. The only sports Academy but their approach is different at young age and sports life. Aspire Zone is a very different facilities such as the Aspire hospital (sports medicine) and Aspire stadium. Part of Aspire project and it contains 13 services for both men and women in Qatar. It has a lot of benefits for immune system, lowers stress, and prolongs life and give a chance to practice sports. Many limitations not for men find a difficulty to practice sports. It is needed to design a

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STUDENT WORK: ARCT 410-ARCHITECTURAL DESIGN STUDIO 5

Urban Rehabilitation of Al-Asmakh Area

The focus of the Design 5 Studio Project in Fall 2019 was renovation of the eldest historical part of Doha with operations like infill and design of a continuous urban fabric, capable of creating a complex urban space, multicultural and livable. The challenge was to preserve the past while building the future in providing another alternative to Msheireb Downtown Doha and Souq Waqif. Like Msheireb Downtown Doha, the Bawabat Al Dawha project aims to bring life back to Old Doha. As an extension to Souq Waqif, this urban rehabilitation and renovation project aims to create new approach to revive historical urban fabrics.



Fall 2019 Design Studio 5 Students: Ghazal Shakerpoor, Moza Al Obaidan, Alya Almarri, Rowaida Elnahas, Farsana Kutty, Haya Maher, Reem Ali, Saeeda Albader, Lulwa Alnauimi, Alreem Alkaabi, Muneera Alhail, Fatima Alhajri, Aljazi Alnauimi, Noora Alnassor, Maryam Alnauimi, Aljazi Aldosari, Fatima Alenazi, Mai Alnassr, Maryam Mohammed, and Hayat Alsowaidi.

PROJECT FEATURE: ARCT 520-LANDSCAPE ARCHITECTURE

Moza Al-Obaidan, Noora Al-Nassor, and Rowaida Elnahas CENG Edutainment Park @ QU Campus

INTERNATIONAL EXAMPLE
 (The Flower Dome)
 Display plants and flowers from tropical, subtropical, and Mediterranean types.
 Legend:
 1. Tropical garden
 2. Subtropical garden
 3. Mediterranean garden
 4. Water feature
 Environmental Techniques:
 Frequency of usage:
 The park is used more on week days since it is located in a busy district.
 Higher use after the sunset due to climate.

LOCAL EXAMPLE (proposal)
 (Coral Forest)
 Free-line structure act as vertical gardens with bridges connect them, as it offer visitors panoramic view.
 Super-trees canopy provide shade at day-time and by the night it become alive with lighting.

REGIONAL EXAMPLE
 CONCEPT:
 The park is built as a green belt in the middle of densely built-up area. The concept is based on keeping the wild park flora & elements recognizable & connecting them through pathways.
 IRRIGATION TECHNIQUE:
 LAYERS:
 1- protection materials
 2- stabilization (water drainage & storage)
 3- filter sheet.
 PLANT TYPES VS ORIENTATION:
 FREQUENCY OF USAGE:
 The park is used more on week days since it is located in a busy district.
 Higher use after the sunset due to climate.

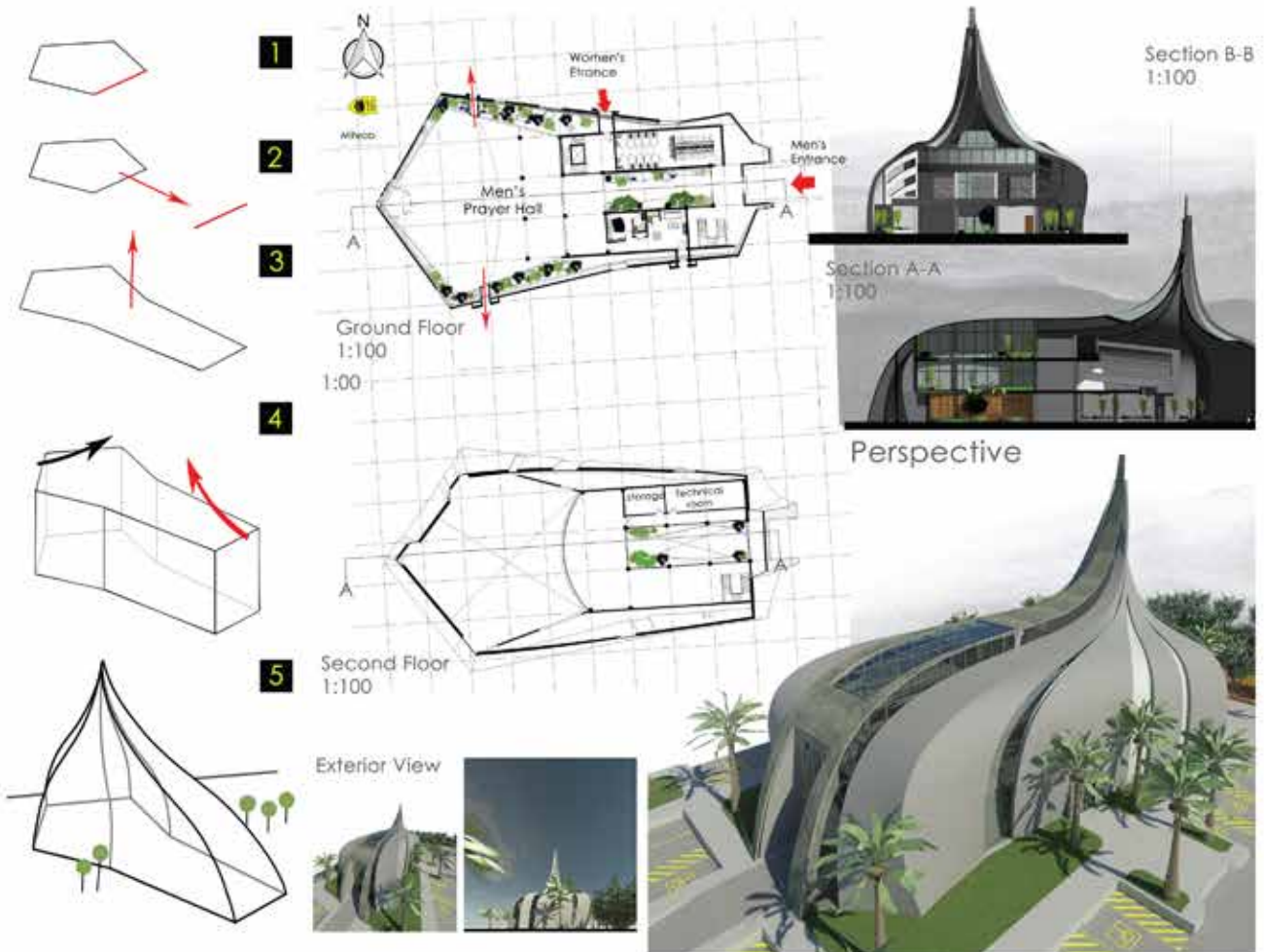
ANALYTICAL DEVELOPMENT STUDY
 BACHELOR OF ARCHITECTURE - 5, ARCH. LANDSCAPE ARCHITECTURE
 ARCT 520
 MOZA AL-OBaidan, NOORA AL-NASSOR, ROWAIDA ELNahas

Design process - local case study | Data Curvilinear
 This section includes site maps, diagrams of potential connectivity, and data analysis for the local case study.

A continuation of 'City in a Garden' Vision for Singapore, the project concept is inspired by the orchid form combining nature, technology, and ecology that provides for all-weather entertainment spaces within the garden, involving the pleasant re-use of biomass, passive cooling strategies, and an excellent atmosphere of non-native plants

STUDENT WORK: ARCT 310-ARCHITECTURAL DESIGN STUDIO 3

Najla Al-Mohannadi's Mosque



The Department of Architecture and Urban Planning is pleased to announce the launch of **Sustainable Public Art Student Competition Tuhfa Qatar-2020**.
Sponsored by: Arab Engineering Bureau (AEB) & Msheireb Museums.

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For more details please refer to the terms of reference

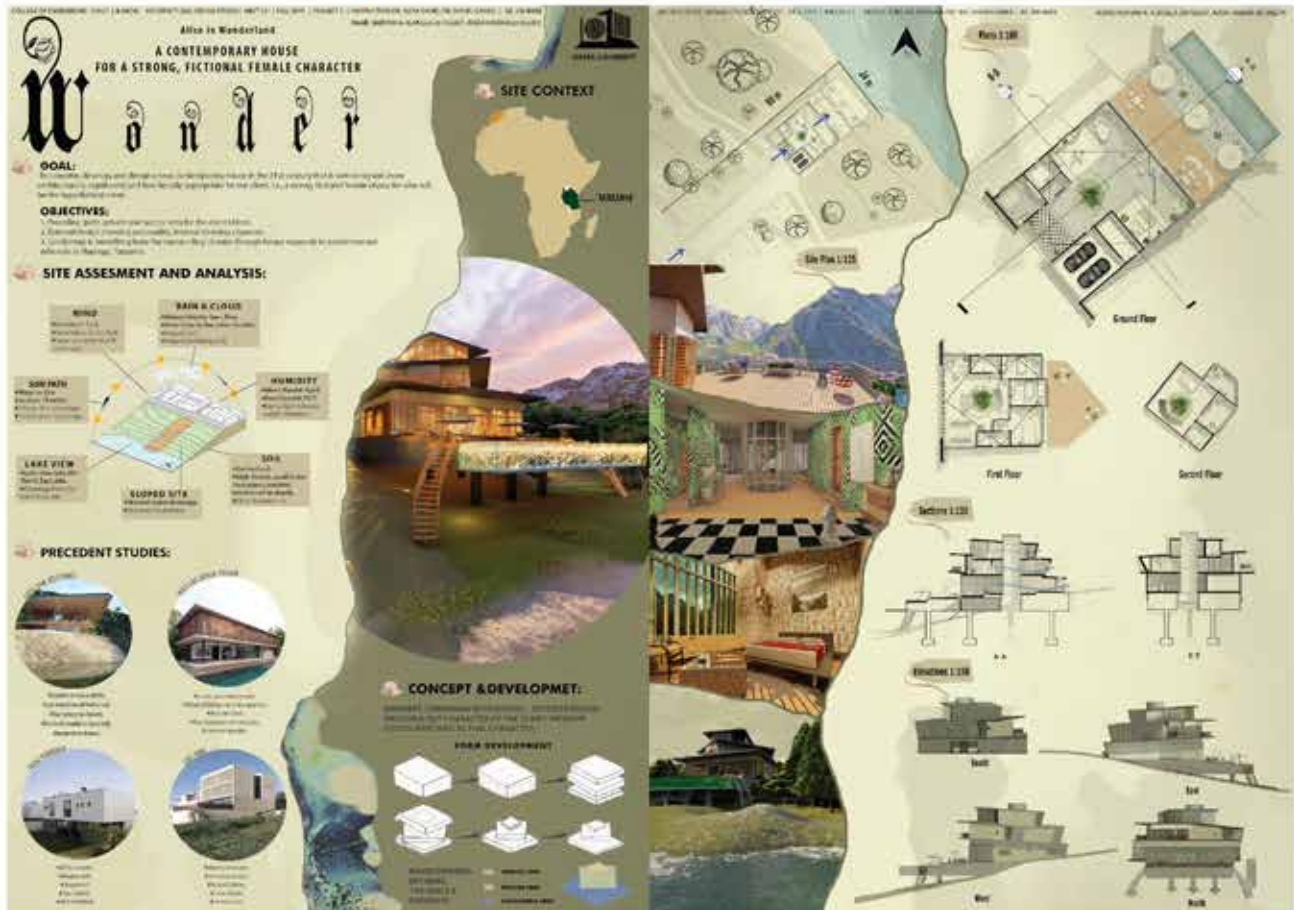
تُحفة قطر 2020

Sponsored by:



STUDENT WORK: ARCT 210-ARCHITECTURAL DESIGN STUDIO 1

Nada Hamman and Maryam A. Al-Mulla's Contemporary House for Alice in Wonderland



يسر قسم العمارة و التخطيط العمراني
الاعلان عن بدء
مسابقة الفن العام المستدام للطلاب
تحفة قطر - 2020
برعاية:
المكتب العربي للشتون الهندسية (AEB) ومناحف مشيرب

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المزيد من المعلومات يمكنكم مراجعة شروط المسابقة المرفقة

تُحفة قطر 2020



برعاية:

PHOTOGRAPHIC FEATURE | ARCHITECTURE IN FOCUS

MAXXI: National Museum of the 21st Century Arts in Rome, Italy

ZAHA M. HADID ARCHITECTS



MAXXI supersedes the notion of the museum as 'object' or – presenting a field of buildings accessible to all, with no firm boundary between what is 'within' and what is 'without'. Central to this new reality are confluent lines – walls intersecting and separating to create interior and exterior space. Flows and pathways overlap and connect in order to create a dynamic and interactive space where Zaha M. Hadid intended 'a new fluid kind of spatiality of multiple perspective points and fragmented geometry, designed to embody the chaotic fluidity of modern life' (Excerpts from Zaha M. Hadid Architects and Arch Daily) (Images: Mark David Major).

RESEARCH FOCUS

On Urban Conservation and Heritage



by Dr. Djamel Boussaa

My main areas of research vary from urban conservation to energy conservation. Since 2009, research has been completed on four Undergraduate Research

Experience Program (UREP) projects related to urban conservation in Qatar, and Doha in particular. These projects include documentation, analysis and photo-modeling of heritage buildings in Doha, analysis of the transition from urban slum to a living heritage in Fareej Al Asmakh in Doha, the conservation and development of urban heritage in Doha, and a study of cultural identity and sustainability in the historic landmark of Souq Waqif in Doha. In addition, my research includes serving as co-Lead Principal Investigator (LPI) on the National Research Priorities Program (NPRP) project to develop a simple tool to design energy-efficient, low-emission, and cost-effective commercial buildings. The results of these projects have been published in many international conferences, high impact journals and books. I have published over forty conference papers, one book, two book chapters and about twenty journal papers. As a

culmination for these efforts, I received the Dean's Award for Excellence in Academia and Research for the year 2016-17. My aim is to continue working hard in research, publish more articles, and disseminate my research in highly-renowned international conferences. With a Bachelor of Architecture from the University of Algiers in 1984, Djamel Boussaa obtained his Master of Philosophy in Architecture from the University of York, UK in September 1987. He taught as an Assistant Professor at the Institute of Architecture, University of Blida, in Algeria for 8 years. He joined UAE University in September 1996 and worked for ten years before moving to the University of Bahrain for three years. He completed his PhD in Urban Conservation from the University of Liverpool, UK in 2008. From September 2009, he was an Assistant Professor in the Department of Architecture and Urban Planning at Qatar University. He was promoted to the rank of Associate Professor in March 2019. In addition to teaching, he was the DAUP Graduate Studies Coordinator from September 2016 to November 2018. Since September 2019, he has served as the Chair of the Curriculum Committee. During the last 30 years, he published extensively about urban conservation in North Africa and the Gulf Region.



News Bits

Dr. Djamel Ouahrani was promoted to Associate Professor in January 2020. Congratulations, Dr. Ouahrani!

The *12th International Exergy, Energy, and Environment Symposium*, originally scheduled for 22-26 March 2020 and hosted at Hamad bin Khalifa University at the Center for Islamic Studies has been postponed until further notice. **Dr. Fodil Fadli** and Graduate Assistant/PhD student **Sara Zaina** as well as **Dr. Mark David Major** and undergraduate students **Doha Elsaman**, **Lowla Al-Mohannadi**, **Meera al-Khufi**, and **Shaikha Al-Thani** were scheduled to present research papers at this event.

Khalida Marthya and **Dr. Mark David Major** will present the paper "Single-Family Housing Market Trends in the Cradle of New Urbanism: Seaside, Florida USA" at the Congress for New Urbanism 28.A Virtual Gathering on 10-13 June 2020.

About QU-AIAS

The QU-AIAS is an independent, nonprofit, student-run organization dedicated to providing unmatched progressive programs, information, and resources on issues critical to architecture and the experience of education. The AIAS aims to promote excellence in architectural education, training, and practice; to foster an appreciation of architecture and related disciplines; to enrich communities in a spirit of collaboration; and to organize students and combine their efforts to advance the art and science of architecture. Our mission is advancing leadership, design, and service among architecture students. QU-AIAS membership supports architecture students in our department but also across the United States and academic programs around the world. QU-AIAS promote excellence in architecture education, and training. Architectural practice is constantly evolving. A large part of that evolution happens in schools. A pedagogy that promotes experimentation and exploration above all. AIAS members understand their role in the profession as leaders. Not the future of the profession but the now. Programs like Freedom by Design, CRIT and Grassroots mentorship empower students to own that role. We foster an appreciation of architecture, design and related disciplines in departmental events, annual gatherings, and regional conferences, providing students with the opportunity to learn about the issues facing our world, to meet students and professionals with common interests, and to interact with some of today's leading architects and designers. QU-AIAS enrich communities in a spirit of collaboration through the Freedom by Design™ program and other community outreach, we are empower our members and students as a



whole to be good citizens on their campuses and in their communities. We organize students and combine their efforts to advance the art and policy of architecture by being the sole student voice in the collateral discussion and decision making process that include The American Institute of Architects (AIA), The Association of Collegiate Schools of Architecture (ACSA), The National Council of Architecture Registration Boards (NCARB) and The National Architectural Accrediting Board (NAAB). Annual membership dues are \$60. You can join the QU-AIAS online at <http://www.aias.org/membership/#join>. Follow us on Instagram @aias_qu.

YOUR QU-AIAS LEADERSHIP TEAM

President	Maryam Al-Nuaimi
Vice President	Bashayer Al Naimi
Secretary	Moza Al-Obaidan
Treasurer	Shaikha Al-Thani
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First Year Rep.	Hissa Alsulaiti
Past President	Maryam Alkuwari

Qatar University

NAAB International Certification 2018—2024

National Architectural Accrediting Board, Inc.



New NAAB International Certification Badge for the B.Arch. program in the Department of Architecture and Urban Planning, College of Engineering at Qatar University (Image: DAUP-CENG-QU).

2020 AEB Architecture Excellence Award

Terms of Reference



Department of Architecture & Urban Planning

AEB Architecture Excellence Award – 2020 Edition

Sponsor: Arab Engineering Bureau (AEB)

AEB Group CEO and Chief Architect Ibrahim Mohamed Jaidah, and Dr. Fodil Fadli, Head of the Department of Architecture & Urban Planning [DAUP] at the College of Engineering Qatar University are pleased to invite DAUP senior students to submit their related design projects for the 3rd Edition of AEB Architecture Excellence Award 2020.

AEB aims to recognize the excellence in design and education displaying exceptional approaches to architectural design. Further, our goal is to promote and share architectural experience and knowledge among young architects and academics. We celebrate those who push boundaries and set new standards. AEB recognizes that excellence in architecture goes far beyond practical buildings. The award was instituted by Arc. Ibrahim Jaidah to encourage and assist graduating students as they begin their careers as professional architects in Qatar.

Jaidah is recognized as a pioneer of a new architectural movement combining the far-reaching influences of Islamic art and architecture, with modern styles to create memorable landmark structures shaping the State of Qatar. We believe that great architecture is about creating long-lasting designs that will remain for generations while inspiring people and enriching their lives. Innovative buildings, designs, and landscapes can help reform the way we live our lives for the better and enable us to make the most of the space we have.

This award recognizes exceptional architectural innovation of young architects in Qatar.

All entries will be reviewed by an independent jury that will select the winners.

Criteria of evaluation:

1. Complexity of the project;
2. Ingenuity in the communication of ideas and development of the construction documents;
3. Architectural and conceptual idea ;
4. Environmental and economic sustainability;
5. Contribution to the public realm or environment;
6. Extent of innovation and originality;
7. Use of materials and structural details; and,
8. Ability to inspire and endure as an exemplary work of architecture.

Projects will be anonymously evaluated using codes of entry. Once you have submitted your work, no changes can be done.

Eligibility:

All senior students at the Department of Architecture and Urban planning [DAUP] in the College of Engineering, Qatar University are eligible to submit their projects for the competition.

Submission Requirements:

The competition is designed to engage students in displaying their creative thinking, analysis and explanatory skills.

To help make the selection fair and rigorous, each competitor should submit two A0 boards maximum along with a design description. However, the boards solely should 'tell the story' and present the key ideas behind the idea and all other material will be considered as supplementary. Winning boards may be used for publicity purposes.

To create a better overview and focus to the jury's evaluation process of the content of submissions, students are requested to submit the materials in the following format:

- Two A0 boards to be submitted in A0 landscape format mounted on 5mm foam-board.
- A design description as a supplement to the design boards. The description should be a double-sided A4 in portrait orientation, clearly stating your individual submission number at the top of each page. A minimum of 500 words is required and should include description of the project, concept, constraints, proposed materials and method of construction, summary of the program and budget constraints if applicable, a short statement on how the building contributes to its society, and meets the principles of good architectural design. In addition, all entries will need to provide a max 500-word statement to explain how you have addressed the broader aspects of sustainability. For instance, you may wish to describe how the design choices you have made have a positive impact on energy performance, social sustainability, and resilience to climate change and whole life carbon analysis.
- All entries should be submitted both in hard copy and as digital files. Competition entrants should request for an **entry number** through competitions-daup@qu.edu.qa.
- Digital files naming convention is as follows: **(Submission #_file name)**. Example: (AEB_Comp_001_ground floor plan)
- Digital copy should be uploaded and sent in a zip file to competitions-daup@qu.edu.qa.
- The Jury must be able to interpret the quality of submission materials presented based on clarity of text, drawings, and photographs with suitable references, notes, and/or other forms of identification as required. Lack of clarity diminishes the Jury's ability to fairly compare and evaluate nominees. Also, the degree of resolution of all required aspects and details of the project is very important.

Jury members and sponsors:

The Jury appointed by the Department of Architecture and Urban Planning including one representative from AEB will select the winning Young Architects qualified for the prize and it will forward its decision to DAUP to announce the award at the 11th Architecture Day on 2nd April 2020 in the Main Atrium of the QU Women's Engineering Building. The Group CEO and Chief Architect of AEB shall hand the awards to the winning students.

Name	Affiliation/Position	Brief

Awards:

1st prize: 12,000 QAR

2nd prize: 8,000 QAR

3rd prize: 5,000 QAR

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Tuhfa Qatar 2020 Sustainable Public Art Student Competition Terms of Reference

Organized by



Department of Architecture & Urban Planning -DAUP-

Sponsored by



Terms of References

Sustainable Public Art Student Competition Tuhfa Qatar 2020-

مسابقة الفن العام المستدام للطلاب تحفة قطر - 2020

The Department of Architecture and Urban Planning (DAUP) at the College of Engineering Qatar University (QU) is pleased to invite QU students and Alumni from other colleges in Qatar University to submit their design for the first edition of "Sustainable Public Art Competition - Tuhfa Qatar 2020" sponsored by The Arab Engineering Bureau (AEB) and Msheireb Museums.

The Qatari Government made significant investments to commission established artists to deliver authentic new pieces of public art. The current focus of the Qatari government is on sports, resilience and the diversification of the economy. In this third category, Sustainable Public Art could become a major player, to attract tourists to visit Qatar.

Public-Art in Qatar is becoming a prime feature to improve the visitor engagement outdoors. The combined efforts of disciplines such as architecture, design, art and engineering will open a new territory for creative designers in Qatar. The Department of Architecture and Urban Planning (DAUP) at Qatar University believes that it is important to educate its students to develop concepts and proposals for art on the larger scale of architecture and landscaping, to show leadership and become cultural influencers in the creative community of Qatar.

Sustainable Public Art Competition for QU Campus

The objectives:

1. To enrich QU campus with strong symbols to represent its multitude of specific disciplines and activities.
2. To enhance the visual perception of QU buildings and spaces and be a way-finding landmark.
3. To function as a place marker for social gatherings and to improve the quality of the urban space around it.
4. Fundamentally, the competition aims to emphasize on participatory community development.

The competition entries can be any one of the following types: (1) Static sculptures (2) Kinetic installations or (3) Interactive installations. The organizers seek original design that are visually appropriate to the theme of the surrounding building and its environment.

Eligibility

Sustainable Public Art Competition - Tuhfa Qatar 2020 – is open for students and alumni of QU. We recommend the participants to form trans-disciplinary teams from different colleges and fields of expertise.

Submission Requirements

The participants are free to choose any one of the sites shown below. They are located in front of different buildings accommodating diverse activities (teaching, research and services). The competing art piece/ installation shall aim for an active dialogue with one of the following QU campus buildings and its environment.



New College of Engineering



Research Complex



College of Business



College of Art and Sciences



College of Education



QU Higher Administration



College of Pharmacy



College of Medicine



QU Library



College of Sharia



College of Law



College of Health Sciences

- The proposal shall be a maximum of **two A3 boards and a physical 3D working model** (optional). The boards shall contain an illustrated description of the design philosophy, technique chosen and materials, (and modes of interaction if applicable).
- A photomontage of the public art piece in front of the selected building is recommended.
- All entries shall be submitted both in hard copy and as digital files.
- Digital file naming convention is as follows: entry number file name. Example: (Tuhfa2020_001_description).
- Digital files (model images, photomontage and design description) should be uploaded and sent in a zip file to competitions-daup@qu.edu.qa.
- Participation is anonymous; names of the design team shall not be indicated on any of the competition submissions.
- The physical model will be required at later stage of the competition for selected proposals. There are no specific formats for the size of the physical 3D scale model (scale 1:5 to1:10), yet should not be larger than 1 x 1 x 1 m.
- The submittals shall have clear text, images, drawings and photographs such that it allows the jury to easily comprehend the design and its underlying concept. Please bear in mind that lack of clarity diminishes your chances for winning.
- For registration, students have to send an email to competitions-daup@qu.edu.qa, stating the team members to receive an entry number.

Evaluation criteria

A nominated expert-jury will assess the design proposals according to the following criteria:

- Originality of the design concept
- Cultural appropriateness of the artwork
- Artistic quality of the proposed artwork
- Sustainability characteristics (the 3Rs: Reduce/ Reuse/ Recycle)
- Integrated approach to materials, techniques, assembly, and installation
- Ability to reflect the essence and character of the selected building and its environment

Organizer

Department of Architecture & Urban Planning, College of Engineering, Qatar University

Sponsors

Arab Engineering Bureau (AEB) and Msheireb Museums (MM).

Jury Members

DAUP will appoint an expert jury panel that would include expert-representatives from the sponsors. DAUP shall announce the award on Thursday 2nd April 2020 in the central hall of the DAUP, College of Engineering, Qatar University (C07 Building).

Awards

- 1st Prize: 7,000 QR
- 2nd Prize: 5,000 QR
- 3rd Prize: 3,000 QR

Additionally, the three award winners will be granted 5,000 QR each for the fabrication of their models. The outcomes (models and explanatory materials) shall be exhibited in DAUP premises at Qatar University, Sponsors HQs and in public spaces in Doha (to be announced later).

Important Dates

DATES	ACTIVITIES
Thursday 27 th February	Competition Launch by DAUP
Thursday 27 th February	Open registration
Thursday 27 th February	Open submission

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UNTIL FURTHER NOTICE**



**KEEP SAFE!
KEEP WELL!**