



Prince Sultan University

# CAD NEWSLETTER

SEMESTER 232

ISSUE 002

## CAD NEWSLETTER TEAM:

### INTERIOR DESIGN PROGRAM

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MS. MASHAEL ALMADHI  
MS. REEM ALDUBAIKHY  
MS. SAJA ALSHAYE  
MS. MASHAIL ALMOSHAIQEH  
MS. MAFAZ ALMOSHAIQEH  
MS. WALLAH ALQUNAYIBIT  
MS. SARAH AL QAHTANI

### ARCHITECTURE PROGRAM

MS. SARA ALMAGHLOUTH  
MS. IMAN ALMIHDAR  
MS. ALANOUD ALJABAL  
MS. ALAA ARABI

### NEWSLETTER DESIGNED BY:

MS. REEM ALDUBAIKHY  
MS. YARA ALANAZI





## **Ms. Bayan AlArnous**

### **Teaching Assistant, Interior Design**

Ms. Bayan AlArnous is a Prince Sultan University alumna, who earned her Bachelor's in Interior Design and now has come full circle returning as a Teaching Assistant while pursuing her Master's degree. Excited to share her passion for design, she's eager to contribute to the university's dynamic learning environment. Reflecting on her time as a student, she praises the department's enthusiasm and collaboration, eager to support future design enthusiasts.

## **Ms. Saja AlShaye**

### **Teaching Assistant, Interior Design**

Ms. Saja AlShaye, a proud alumna of Prince Sultan University, holds a Bachelor's degree in Interior Design. Thrilled to return to her alma mater, Ms. Saja steps onto familiar grounds in a whole new capacity – as a Teaching Assistant. For her, the opportunity to contribute to the university's vibrant learning community and support budding designers as they embark on their creative journeys is nothing short of incredible. Grateful for this chance, she eagerly anticipates diving in, inspiring, and empowering the next wave of design enthusiasts.

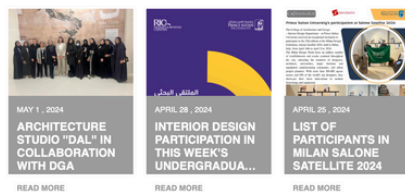
Writer- Dr. Afsina Abbasi

### COLLEGE OVERVIEW

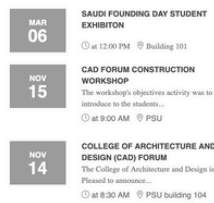
The College of Architecture and Design (CAD) at PSU consists of two academic programs: the Department of Architecture and the Department of Interior Design.

The two departments target female students and are designed to graduate qualified and competent architects and designers for the local, regional and international job markets. The college is known for its forward-thinking faculty, market connections and collaboration opportunities. It has crafted a dynamic strategic plan designed to deliver quality programs that reflect excellence and leadership in higher education in Saudi Arabia and the region. The content and structure of the programs are comparable to those offered by leading universities in the region and worldwide. In addition, the programs are designed following international standards. The Architecture and Interior Design programs offer a Bachelor of Science degree in their respective fields after successful completion of the respective curricula requirements of 138 credit hours. The duration of study for both programs is four years in addition to the preparatory year program. Lastly, these programs are guided by the following vision and mission of the College of Architecture and Design.

### CAD NEWS



### CAD EVENTS



The CAD Outreach Committee has finally revealed the new web page design after a long journey of redesigning that began back in 2023. Led by Dr. Afsina Abbasi from Interior Design and Ms. Mariola Fernandez from Architecture, the focus was on simplifying navigation and the visual appeal while refining the structure to make the webpage more user-friendly.

Following careful analysis of the previous page's weaknesses, the faculty members worked diligently to create a more efficient layout. After the design received the approval from the College Council, the design was forwarded to the developers.

Released just before the Ramadan break, the new website now offers visitors a brief overview of the college, followed by easy-to-find sections for news and events. Notably, key highlights about the college are showcased under the "WHY US?" section, offering insight into CAD's strengths. Lastly, accessing information about the Interior and Architecture programs has been made more straightforward for users.

Ms. Mariola stressed the importance of updating the CAD webpage, saying "CAD web was a necessary task. In the process to redesign, the design team wanted order and make visible the most crucial points of the college, giving the visitors a practical journey through their interfaces. CAD website must be so consistent and informative as well as visually appealing and accessible to those students willing to join them, grabbing their interest to pursue a career within one of their prestigious departments." Expanding on the above sentiment, Dr. Afsina added, "The webpage now truly reflects our college's essence making it easier for the potential students to access updated information effortlessly."

You can check the new redesign webpage at :

<https://www.psu.edu.sa/en/CAD>



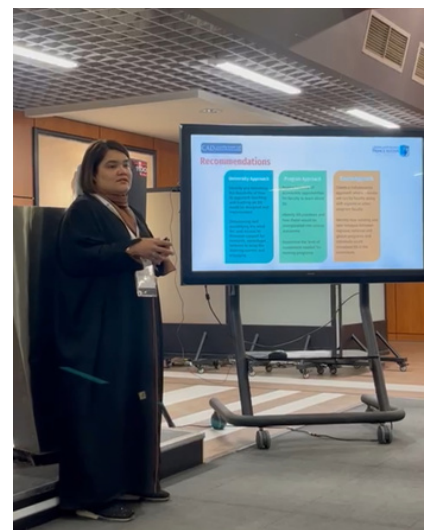
Writer- Dr. Afsina Abbasi

The International Conference on Sustainable Development and Innovation (ICSDI) is an annual event organized by Prince Sultan University. Commencing in 2023, the conference recently completed its second edition, held from February 18th to 22nd, 2024. The convention invited researchers, academics, practitioners, and policymakers to come together to discuss and exchange ideas on sustainable development and innovation. The conference covers a wide range of topics related to sustainability, including environmental conservation, social equity, economic development, and technological advancements. The College of Architecture and Design faculty participants presented their latest research findings, shared best practices, and engaged in discussions aimed at promoting sustainable practices and fostering innovation to address global challenges.



The faculty at the Interior Design Department participated in the conference with several of their research findings. Following are the papers and the presenters:

**Dr. Afsina Abbasi**, an assistant professor presented her paper titled **“Advancing Social Sustainability Practices in Saudi Arabia Higher Education: Sustainability Challenges towards the Saudi Vision 2030 in Built Environment Programs.”** The paper delves into the concept of social sustainability within the context of higher education in Riyadh, Saudi Arabia, focusing on its integration into the Built Environment programs across three leading universities offering the program. Dr. Afsina found the conference quite valuable, “ It has been incredibly enriching, discovering such a wide breadth of topics.”



**Writer- Dr. Afsina Abbasi**

**Dr. Donia Abdelgawad**, an assistant professor, presented two papers. First one titled, **"Comprehensive Sustainable Cultural Heritage Development and Preservation."** The paper highlights the importance of heritage development and preservation and prepares a framework for the comprehensive design process considering the urban and non-urban factors to achieve sustainability goals.

The second paper titled, **"Bioclimatic Design and Smart Technology Adaptation for Humanitarian Architecture Facing Climatic Changes in Coastal Zones."** The paper highlighted global warming and the new climatic threats put coastal cities at risk, changing the communities and destroying the habitat. The research explains the way of resilience by applying multiple mitigation and adaptation technologies and explains how we should design for humanity.

Dr. Donia appreciated the opportunity this conference gave her to present her paper and also network with other researchers **"It was great to attend and review my track sessions, which aligned with my presentation topic."**

**Dr. Zeinab ElHassan**, an assistant professor, presented two papers. First one titled, **"Improving Indoor Air Quality Through Coated Concrete: Sustainable Materials Application in Indoor Environment Under UV Irradiation."** The research investigates air purification materials and techniques, particularly focusing on photo-catalytic materials.

The second paper was presented by Co-Author Dr. Mona D.Abdalrazig titled, **"Assessment of Low-Cost Housing in an Urban Area of Khartoum State, Sudan, Towards a Sustainability in Urbanism."** The study is intended to evaluate the experience of the public housing projects in Sudan (Khartoum State), in terms of quality, feasibility and general environmental condition, which recently witnessed some serious failures and shortcomings.

Dr. Zeinab found the experience as a learning platform, **"Engaging in numerous conversations with members of the scientific community added immense value to my overall learning and networking. Grateful for the opportunity to connect and exchange ideas with such knowledgeable individuals."**



Writer Ms. Sara Almaghlouth

The faculty at the the Architecture Department participated in the conference with several of their research findings. Following are the papers and the presenters:

**Dr. Beatriz Villanueva Cajide**, Assistant Professor participatee with the paper titled " **Ecosophy Applied to Spatial Design for Child Development. A proposal to Bridge the Gap between Legislation and Architectural Design.**" The paper, selected to be included in the Springer Proceedings for ICSDI 2024, aims to open a debate on the need to expand the concept of the user of the contemporary city to encompass also the needs of the child as a citizen with full rights.

**Dr. Amany Salman** Assistant Professor she presented her paper titled "**Effect of Carbon Nanotubes and Steel Fibers on the Rigid Pavement Reinforced with Steel Bars and GFRP Bars**" in the 2nd Track: Sustainable Construction and Resilient Infrastructure. Her research explores the innovative use of carbon nanotubes and steel fibers to enhance the performance of rigid pavements reinforced with traditional steel bars and Glass Fiber Reinforced Polymer (GFRP) bars, aiming to improve their sustainability and resilience. Dr. Salman is honored to announce that her paper was recognized as the best paper in the 2nd Track, reflecting the significance and impact of her findings in advancing sustainable construction practices.



**Dr. Hala Sirror**, Assistant Professor participated with two papers at ICSDI 2024. The first paper is "**Innovating Building Design with the Venturi Effect: Exploring Implications for Energy Efficiency and Environmental Sustainability.**" This paper reviews the sustainable impact of the Venturi effect on natural ventilation in buildings, focusing on its application in architectural design for enhancing sustainability and energy efficiency.

The second paper, titled "**Sustainable Trends and Awarded LEED 2009 Credits to Existing Buildings in Saudi Arabia: A Comprehensive Analysis.**" aimed to fill the knowledge gap regarding sustainable building trends in Saudi Arabia by analyzing six facilities awarded LEED 2009 credits. The paper will be published in Springer Proceedings.



*Writer Ms. Sara Almaghlouth*

**Dr. Silvia Mazzetto**, Assistant Professor participated with five papers at ICSDI 2024. The first paper, co-authored with Hessa Alduraibi, is titled **"Exploring Social Community Need in Saudi Arabia and the Vibrant Artistic Context of Qiddiya."** This paper examines the necessity of an art community in fulfilling communal needs through creative expression and communication, focusing on the strategic development of an art center in Qiddiya, a cornerstone of Saudi Arabia's cultural framework.

The second paper, co-authored with Albtoul Binateeq, is titled **"New Living: Urban Typologies and Transformations, Design Approaches for Sustainable Urban Growth."** By comparing five maps of Riyadh from 1950 to the present, the research analyzes parameters such as borderline expansion, population growth, urban fabric transformation, connectivity changes, and building typologies

**Dr. Rasha Moussa**, Assistant Professor participated with two papers at ICSDI 2024 that will be published in Springer Proceedings. The first paper is titled **"Impact of Integrated ICT Approaches in Improving Urban Mobility in Riyadh City"**. The paper aims to study the concept of smart mobility and the impact of ICT as one of its areas on reducing traffic congestion and developing traffic systems in Riyadh city.

The second paper is titled **"Impact of Using Artificial Intelligence Tools in Higher Education"**. The research paper delves into the multifaceted impact of AI on higher education institutions and highlights the AI influence on the teaching and learning process.

Two professors from the Department of Architecture at PSU, **Dr. Shaimaa Ashour** and **Dr. Rosniza Othman**, presented a paper titled **"Climate-Responsive Vernacular Mosque Design: A Comparison of Hot-Humid and Hot-Arid Regions"** at the ICSDI conference. Their work was chosen for inclusion in the Springer Proceedings for ICSDI 2024.

This research explores how traditional mosque design incorporates climate-responsive features.



Writer Ms. Sara Almaghlouth

**Dr. Monica Moscatelli**, Assistant Professor presented three research papers in collaboration with her students in the Architectural Publication course (Ranem Mazen Abduljabbar, Mariam Maatouk, Njoud Albrahim, and Razan Aldawood). The papers present three different topics: **"Affordable Housing Strategy as a Pillar of Sustainability. The case of Al Jaradiyah, Riyadh"**, **"Reshaping Architectural Identity in Contemporary Mosques. A Comparative Analysis in Riyadh"**, and **"Biophilic Urbanism for Sustainable and Resilient Neighborhood. The case of Al Murabba, Riyadh"**. The papers will be implemented, presented at the conference, and published in Springer Proceedings. One of the papers received the Best Paper Award.

**Dr. Monica won twice in a row the Best Paper Award** on the topic 'Sustainability and Built Environment' presented within **ICSDI2022** and **ICSDI2024**, International Conference on Sustainability: Developments and Innovations.

**Dr.Marwa Abdelalim, Dr. Eman S. Abowardah, Dr. Amal AbdelSattar , and Dr. Wafa Labib** participated with two papers. The first paper with the Title: **Sustainable Management as Socio-Economic Challenge in the Context of Cultural Heritage**

This paper thoroughly examines the literature on sustainable development, SD goals, cultural heritage, and cultural heritage conservation and management.

The second paper title is **"Mapping the Way Forward: Integrating Sustainability Literacy into Architecture Education"**

This study systematically examines the assimilation of sustainability into architectural education, a vital topic amidst growing environmental concerns and the changing needs of architectural practice.





Writers: Ms. Wallah Alqunaybit ,Dr. Afsina Abbasind and M. Sara Almaghlouth



The 2024 Design Educators' Forum was a two-day event focused on navigating change in the A&D education and defining its future. The Forum covered 4 +1 topics selected within the theme of "Change", including keynotes, panel discussions and workshops. The event brought together a distinguished group of educators and practitioners to address, discuss, and present the critical issues in design education. College of Architecture and Design had participated in this prestige Forum

The College of Interior Design is proud to recognize Interior Design faculty member Dr. Renad AlSekait's recent participation in the prestigious Design Educators' Forum organized by the Architecture and Design Commission (A&D). The forum was held from March 7th to 9th, 2024, at the KAFD Conference Centre in Riyadh.

Dr. Renad presented her current research discussing Social Sustainability in higher education and participated in the panel discussion on the topic of "Global challenges, Local Solutions". Reflecting on her experience, Dr. Renad stated, **"It was a pleasure to be invited as a guest speaker and a panelist among experts from international academic institutions and professional practitioners addressing the global challenges in design education and expanding the box from interdisciplinary boundaries to a global context."**

Dr. Renad's participation in the forum highlights College of Architecture and Design's commitment to fostering collaboration and innovation in the field of design education. The college is confident that her insights will contribute significantly in shaping the future of design education on a global scale.

The Architecture and Design Commission plays a key role in boosting the A&D ecosystem and its contribution to the Kingdom's transformation through multiple strategic initiatives, including boosting Educational Enrichment Programs. The first edition of the forum was successfully delivered in 2023.



College of Architecture Faculty participated in the Design Educators' Forum with workshops and competition

**Dr. Shaimaa Ashour**, an Assistant Professor of Architecture, conducted a workshop titled **"Storytelling as a Facilitating Tool in Teaching Architecture,"** which explored innovative teaching methods.

This interactive session highlighted the transformative potential of storytelling in architecture education. Over 25 attendees explored how incorporating narratives can enhance understanding, fuel creativity, deepen connections, and shape meaningful experiences.

This workshop was ideal for educators and students interested in innovative teaching methods, architects seeking to create more meaningful spaces, and anyone passionate about the power of storytelling.

**Dr. Hala Sirror**, an Assistant Professor of Architecture, participated in the 2024 Architecture and Design Educators Forum Competition with an instructional method titled **"Personal Experience as Precedent."**

This design instructional method suggests that by utilizing personal experiences as precedent, students can create designs that serve functional needs and resonate personally and emotionally with the building users, making the space distinct and memorable.





**Writer: Ms. Sarah Alqahtani**

On April 30, 2024, the Architecture and Interior Design (CAD) department held an online workshop called "Publication Indicators" organized by the Research Committee. The session, running from 12:00 PM to 1:00 PM, aimed to teach faculty members how to evaluate research performance.

The workshop presented by Interior faculty Dr. Nadia Arafah covered important topics like bibliometric, which involves analyzing publications statistically, and the H-Index, a metric for measuring a researcher's impact. Participants learned how to calculate the H-Index and measure publication impact using Scopus, a well-known database. The session also explained the Impact Factor and its limitations.


The goal was to help faculty members assess the work of scientists, research groups, publications, and journals more effectively. All attendees received certificates for their participation. Faculty members appreciated the workshop, finding it valuable for enhancing their skills in research evaluation. The knowledge gained will be useful in their future academic and research activities.


 


The College of Architecture & Design Research Committee would like to invite you to a workshop on :

# THE PUBLICATION INDICATORS

**Presenter : DR.Nadia Arafah**

 Tuesday 30/4/2024

 start at 12:00 pm - 1 pm

 [Google Meet](#)

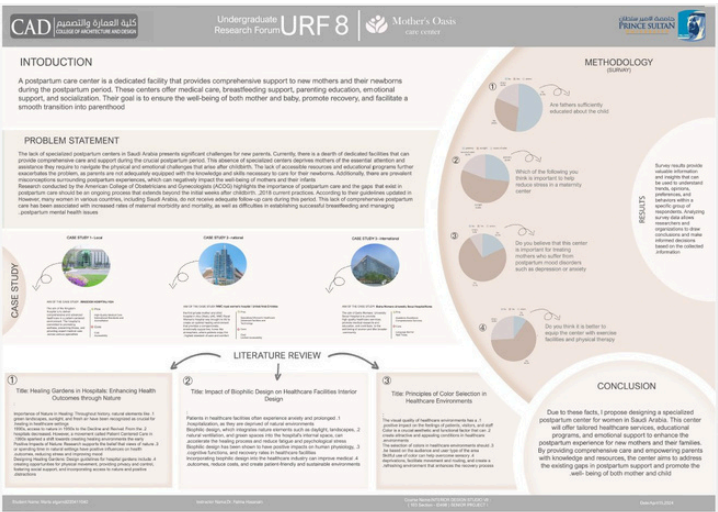
Meeting Link: <https://meet.google.com/ocm-mstp-kzq>

Writer: Dr. Afsina Abbasi and Ms. Sara Almaghlouth

In April 2023, College of Architecture and Design students participated in the 8th Undergraduate Research Forum (URF) hosted in PSU building 104.

The URF, organized by the Research and Initiatives Center (RIC), provides a platform for students to showcase their findings and refine their presentation skills. **The Interior Design Department was represented by an impressive number of 30 Interior Design 498 Senior I students** who showcased their senior research projects. Supervised by faculty members Dr. Fatima Hasanain and Dr. Nadia Arafah. This event marked the culmination of their extensive academic endeavors. The research projects presented by the 30 participating students covered a diverse array of topics ranging from women's health centers and pediatric clinics to retirement centers and holistic healing facilities. Delving deep into each subject, students meticulously collected data through surveys and interviews, and masterfully analyzed their findings, often presenting them through captivating infographics.

By delving into these critical areas, the students not only showcased their academic prowess but also demonstrated a keen understanding of the societal impact of interior design. Their research not only enlightens but also paves the way for innovative solutions in creating spaces that cater to various needs, including special needs educational facilities and memory care centers.



The Department of Architecture was represented by solid Nineteen students, under the supervision of the department's instructors.

A group of students (Nada Abduljabbar and Yara Alhuwayrini) from the Course of Architectural Publication of the Architecture Department participated in the 8th Undergraduate Research Forum (URF8) under the supervision of Dr. Monica Moscatelli.



Writer: Ms. Sara Almaghlouth

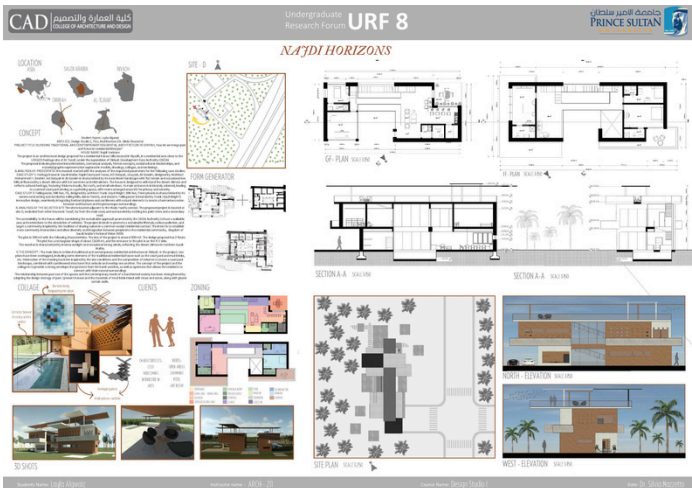
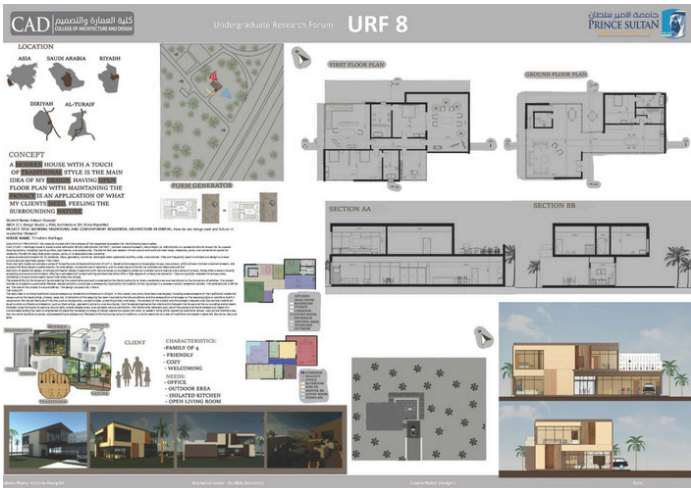
Five students of the Department of Architecture have participated under the supervision of Dr. Silvia Mazzetto, Title of the design studio 'Blending Traditional and Contemporary Residential Architecture in Diriyah' was presented by Hatoon Alsaqabi an undergraduate Architecture Layla Algwaiz, showcased her project titled "Blending Traditional and Contemporary Residential Architecture in Diriyah." Also, Reema Alfakhri, unveiled her masterpiece titled "Biophilic Architecture" during the ARCH 211 Design Studio 1 presentation.

In a spellbinding presentation, Yara Alshahrani, Yara's project titled " Merging Heritage with Contemporary Architecture". Razan Almadi, an aspiring architect student, with her project titled "The merge between Historical and Modern Design"

Jude Al Najjar, A senior student under the supervision of Dr. Rasha Moussa, with a research poster in titled "Measuring Users' Perception Towards Primary and Free-Form Design".

For ARCH354, eleven undergraduate architecture students under the mentorship of Dr. Amany Salman took part in the 8th Undergraduate Research Forum (URF8). Reem Al Gusair and Sara Alhissi Their research poster, titled "Impact of Cost Control Techniques on Construction Project Delivery," aims to provide valuable insights into the dynamic relationship between cost control techniques and construction project delivery timelines. By understanding these dynamics, stakeholders can implement informed strategies to ensure successful and timely project outcomes.

While Wajd Alwadei and Raghad Alasmi research poster, titled "Types of Contracts in Construction Industry," The results of this research highlight the significance of different construction contract types and project delivery strategies in the construction industry. The examination of various contract forms provides insights into the advantages and challenges associated with each approach.



Also, Ragad Alharbi and Nouf Alrasheed's research poster, titled "Risk Estimation in Constructions." Overall, the study contributes to global literature on construction risk factors, emphasizing the importance of risk identification, classification, and mitigation for project success.

For ARCH262, Dr. Amanys' Students Dana Hazem, Roaa Alribh, and Omayerah Nahar participated with their research poster, titled "REVOLUTIONIZING INFRASTRUCTURE: BIO-CONCRETE INNOVATIONS FOR SUSTAINABLE AND RESILIENT CONSTRUCTION."

Also. Shoag Alkhateeb, and Ayah Althunyan participated with their research poster, titled "Behaviour of concrete beams reinforced using basalt and steel bars under fire exposure."

Writer : Ms. Saja Alshaye



Prince Sultan University (PSU) recently marked a significant milestone by participating in the prestigious SaloneSatellite exhibition, held from April 16 to 21, 2024, in Milan, Italy. This event, an extension of the renowned Salone del Mobile Milano, serves as a launchpad for emerging design talents globally. PSU's presence was particularly noteworthy as it was the sole representative from the Arab region, showcasing the creativity and innovation of its students and faculty on an international platform.

SaloneSatellite is an internationally recognized exhibition that takes place annually in Milan. It is part of the larger Salone del Mobile Milano, one of the most esteemed events in the design and furniture industry. The exhibition provides a crucial platform for young designers to present their work to a global audience, fostering international collaboration and exposure.

**PSU was one of 22 universities invited to the 2024 edition of SaloneSatellite, alongside 138 design firms. This participation aligns with Saudi Vision 2030, emphasizing the university's commitment to fostering global competitiveness through its accredited Interior Design and Architecture programs.** The curriculum at PSU combines conceptual brilliance with technical proficiency, ensuring graduates are well-prepared for the industry. Many PSU graduates secure positions in renowned firms or pursue further studies at prestigious institutions such as Harvard, MIT, UC Berkeley, and UCLA.



**Writer : Ms. Saja Alshaye**

PSU's booth at SaloneSatellite, located at E03, was designed with a focus on sustainability and innovation. The booth featured eco-friendly cardboard stands for physical models and sleek iPad stands for digital displays, merging functionality with environmental consciousness. This thoughtful design showcased the university's dedication to sustainability in design.

Students selected for the exhibition were chosen based on several criteria, including academic performance with a GPA above 3, exemplary behavior and manners, demonstrated leadership skills, strong teamwork and collaboration abilities, and effective communication skills.



PSU's participation in SaloneSatellite not only highlighted the university's design prowess but also opened doors for potential collaborations with international institutions such as the New York Institute of Technology, Arizona State University, Rhode Island School of Design, Liverpool University, and The House of Lyria. Feedback from visitors was overwhelmingly positive, with 84.6% rating the PSU booth as exceptional.

Prince Sultan University's inaugural participation in SaloneSatellite Milan 2024 is a testament to its commitment to global engagement and academic excellence. This milestone event has set a precedent for future successes, positioning PSU as a beacon of innovation and creativity on the international stage. The university looks forward to building on this momentum and further enhancing its global presence.



Writer: Dr. Afsina Abbasi

Fei Seidam, an Interior Design student, recently had her research paper published in the Education Enhancement Center's journal "Studies in Higher Education". Collaborating with her mentor, Ms. Ebtehal ALMuaither, Fei's research focuses on the History of Islamic Architecture and Interior Design.

The research paper examines two mosques from the Fatimid era, dissecting their design methodologies, strategies, and architectural elements. Through detailed analysis, Fei provides insights into the construction techniques and material choices of these historical sites, offering valuable contributions to the understanding of Islamic architectural evolution.

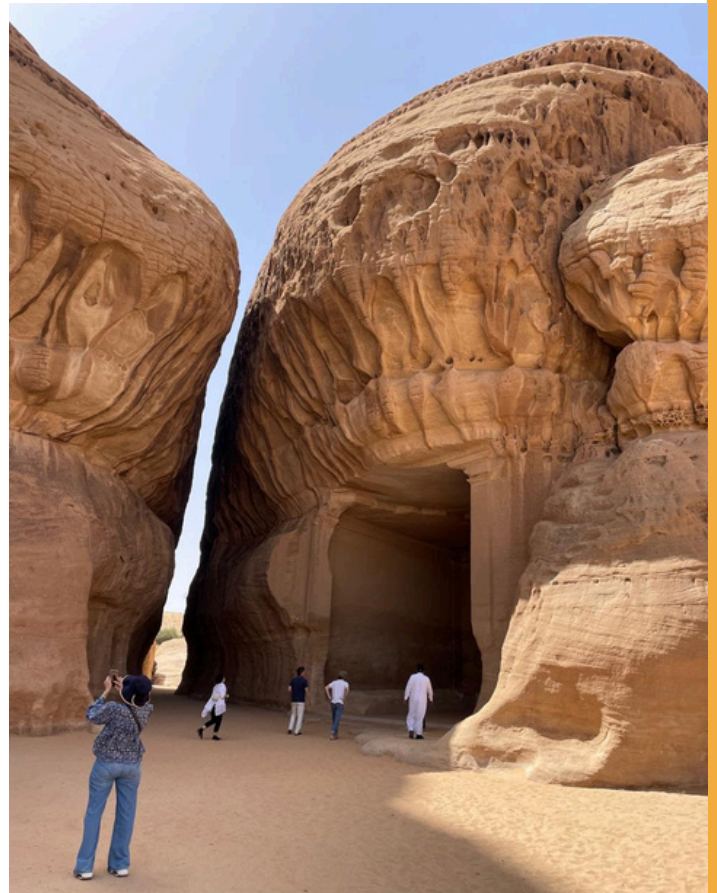
The publication can be accessed at: [https://sihe.journals.ekb.eg/article\\_337929.html](https://sihe.journals.ekb.eg/article_337929.html)

The screenshot displays the journal's website interface. At the top, the journal title 'دراسات في التعليم العالي' is prominently featured in Arabic, alongside the Education Enhancement Center logo. A navigation bar includes links for 'الرئيسية' (Home), 'تصفح' (Browse), 'معلومات عن الدورية' (About the Journal), 'دليل المؤلفين' (Author Index), 'ارسال المقالة' (Submit Article), and 'اتصل بنا' (Contact Us). The main content area highlights the article 'The Influence of Islamic Values on The Elements of Islamic Architecture' by Fei Saidam and Ms. Ebtehal Al Muaither. It provides the authors' affiliation (Department of Interior Design, Prince Sultan University) and the article's DOI (10.21608/SIHE.2024.337929). A brief abstract in English describes the research, which analyzes the design methodology and architectural elements of two Fatimid era mosques. On the left sidebar, there are links for 'مجلات' (Journals) with XML and PDF download options, 'شارك' (Share), 'ارسال الاستشهاد إلى' (Send citation to), and 'الإحصائيات' (Statistics) showing 79 citations and 47 PDF downloads.



**Writer: Ms. Sara Almaghlouth**

The visit included a number of discussion sessions among the participating delegations to exchange opinions and perceptions about the educational plan, the details of its various stages, and its outcomes, in a way that ensured students' constructive immersion in the experience, the location, and an accurate understanding of its many faces. It is expected that ten students from each university will participate in the program, with a total of thirty male and female students. The College of Architecture and Design hopes that this experience will pave the way for other partnerships with major academic institutions in the fields of architecture and design around the world.



**Writer: Ms. Sara Almaghlouth**

A delegation from the Architecture Department at Prince Sultan University, represented by the Vice Dean of the College of Architecture and Design, Dr. Samaher Fallata, the Head of the Architecture Department, Dr. Eman Sabry Abowardah, and two faculty members, Dr. Jane Handel and Dr. Ola Jarrar, participated in a field visit and preparatory discussion sessions to the city of Al-Ula, accompanied by academic delegations from the universities of Paris. ENSA Paris Val-de Sein and ENSA Paris Malaques. The visit is considered the beginning of the International student exchange program between the three universities, which is scheduled to begin next September and continue until February 2025. The program reflects the university's keenness to contribute effectively to transforming Vision 2030 into a tangible reality that elevates the Kingdom to the ranks of leading countries with regard to the development of urban environments and cities. The program aims to advance the knowledge of Saudi and French architecture students about innovative architectural projects and traditional urban environments.

The program also facilitates dialogue and exchange of ideas between Saudi and French architects and students, enabling participants to cooperate with local decision-makers and experts in this field. The program is managed and coordinated by the Association for the Preservation of Mediterranean Heritage (Partimed), an association that aims to protect Mediterranean heritage in France and at the international level. The association works to rehabilitate, enhance and develop heritage while supporting initiatives aimed at raising awareness about its protection. The visit aims to jointly plan the program by the participating universities to ensure the richness of the educational experience for the participating students. The participating delegations surveyed the city in its contemporary, historical, urban, and natural aspects and explained the urban content of the city and the factors that contribute to its formation, with the aim of focusing on developing urban design to serve the local community and visitors alike. The visit included discussion sessions with specialists in urban planning and preservation of heritage buildings in the city in order to understand the complex urban, architectural, cultural, social, environmental and economic details of this ancient city. The visit also included interactive sessions with some local community representatives who enriched the discussion with their valuable stories about the city and their visions about its development.

### **Architecture Department representatives visit To Al-ULU As a start for the French Saudi International student exchange program**







**Writer: Ms. Sara Almaghlouth**

The Architecture Department elaborates an International Exchange Program via a partnership amongst Patrimed (project administrator), PSU, ENSA Paris Malaquais and ENSA Paris Val-de-Seine. The International Exchange Program aims to uplift the knowledge of Saudi and French architecture students on innovative architectural projects and traditional urban settings in Al-Ula city . The Exchange Program offers students the opportunity to explore the architectural assets of the historic town of AlUla established by a 2021 intergovernmental agreement between Saudi Arabia and France. The exchange program will address an urban architectural project that will expand over the Fall Semester 2024-2025 (September – February).



Writer: Ms. Sara Almaghlouth

**Dr. Monica Moscatelli**, an Assistant Professor of the Architecture Department and Member of the Sustainable Architecture Lab is participating in a grant with Victoria University for "**Knowledge Exchange Greening Solutions to Tackle Climate Change and Global Warming.**"

The Grant is funded by the Council for Australian-Arab Relations (CAAR).

Three forums will be organized in Melbourne, Riyadh, and Manama to pave the way for effective planning for greening initiatives and assist three nations in identifying practical solutions to prevent shrinking green zones.

The inaugural forum took place in Melbourne on 22 April. Throughout the event, **Dr. Monica Moscatelli**, with esteemed voices from academia and industry experts, shared invaluable insights, igniting discussions to exchange knowledge and strategies for enhancing green infrastructure, improving urban climates, and mitigating urban overheating challenges in Australia.



The second forum will be organized by **Dr. Monica Moscatelli** in Riyadh at Prince Sultan University on June 6th, where esteemed voices from academia and architecture firms will share their projects of green infrastructure to tackle climate change in Saudi Arabia.



Writer: Dr. Hala Sirror, Ms. Sara Almaghlouth

**Dr. Hala Sirror**, an Assistant Professor of Architecture, participated in the Seventh International Conference of Women in Data Science 2024 with a paper entitled **“Evaluating Sustainability in the Gulf Region: A Dual Criterion Approach Using LEED Certification Project Numbers and Total Certified Area.”**



This study introduces a new approach to evaluating sustainability in the Gulf Region through a twofold approach, focusing on the count of Leadership in Energy and Environmental Design (LEED) certified projects and the total certified area. Addressing the rapid urban development in nations like Saudi Arabia, the UAE, Qatar, Kuwait, Bahrain, and Oman, the research emphasizes the significance of LEED certification as a green building benchmark. The paper will be published in IEEE Proceeding.

## Outstanding Teaching Award

**Dr. Monica Moscatelli**, an Assistant Professor of the Architecture Department, won during the inauguration Ceremony of the Academic Year 2023-2024 the Outstanding Teaching Award for the College of Architecture and Design for the Academic Year 2022-2023 to acknowledge her excellence in teaching and learning practices. Dr. Monica shows enthusiasm for the subjects she teaches and has an effective teaching methodology that motivates students to work hard and improve their critical skills.





# Landscape Architecture Exhibition with the Riyadh Municipality

ARCH EVENTS

Writer: Ms. Iman Almehdar



In cooperation with the Riyadh Municipality, the Department of Architecture at the College of Architecture and Design at Prince Sultan University organized an exhibition for the students' projects of the Al- Munsiyah parks. The course ARCH 343 -Landscape Architecture through an innovative collaborative studio, focused on enhancing the participation of national talents in designing parks and service projects in Riyadh and creating unique distinct ideas, under the supervision of: Dr. Eman Sabry, Dr. Walaa Metwally, Ms. Noura Al-Khalifa, and Ms. Nouf Al-Amiri.

The course slogan was **"We work together towards developing our community."**





**Writer:- Ms.Mafaz Almoshiqeh**

In a vibrant celebration of Saudi heritage, students from various regions have come together to showcase their unique cultural treasures at an enriching exhibition organized by a team of dedicated Interior Design faculty; Dr. Ghada Najjar ,Dr. Fatima Hasnain, Ms. Wafa Thiab, and Ms. Nojoud Alaskar, the event offered visitors a captivating journey through the rich tapestry of Saudi tradition.

**The exhibition featured an array of carefully crafted artifacts, offering a glimpse into the diverse heritage of Saudi Arabia. From intricately embroidered cushions reflecting the artistic traditions of Najran to intricately designed game cards embodying the spirit of competition in Jeddah, every piece tells a story of resilience, creativity, and cultural pride.**

Among the highlights were exquisitely adorned mirrors showcasing the traditional craftsmanship of the Asir region, elegantly crafted tables capturing the timeless elegance of Al-Hasa, and ornate stands displaying the ingenuity of artisans from Medina.

Visitors had the opportunity to immerse themselves in the sights, sounds, and textures of Saudi heritage, experiencing firsthand beauty and significance of these cultural treasures.

Beyond the showcase of artifacts, the exhibition served as a testament to the passion and dedication of the students who devoted themselves to preserving and promoting Saudi heritage. Through their efforts, they not only honored the legacy of their ancestors but also inspired future generations to cherish and celebrate their cultural identity.

Dr. Ghada, Dr. Fatima, Ms. Wafa, and Ms. Nojoud, the organizers behind this successful event, expressed their gratitude to all participants and invited the community to join them in this celebration of Saudi culture. With each exhibit, they hope to foster greater appreciation and understanding of the rich and diverse heritage that continues to shape the identity of Saudi Arabia.



# THE ROYAL INSTITUTE FOR TRADITIONAL ART (TRITA)

## ARCH FIELD TRIPS

Writer-**Ms. Sara Almaghlouth**

Dr. Rasha Moussa has organized an educational trip with faculty and students of ARCH 212 to The Royal Institute for Traditional Art (TRITA) at Al Fouta District. The date of the trip was on Wednesday, 6th March, 2024.

The main goal of the trip was to support students and help them learn more about the design of arts and crafts centers as it is related to the semester project. Students were able to recognize the way art and craft spaces are organized, and the different requirements and needs of users of these spaces.

In addition, TRITA team offered a clear explanation of the different types of traditional arts for the various regions of the kingdom and encouraged students to register in their free art short courses.



## King Salman District Exhibition Trip

Dr. Salma Dwidar and Dr. Hala Sirror from the architecture design department organized a field trip to the King Salman District Exhibition. The field trip was from the Architectural Design III Studio as they are incorporating the core values of the Salamni Style into their design.





Writer-Ms. Sara Almaghlouth

The visit of KAPSARC (King Abdullah Petroleum Studies and Research Center) in Riyadh, organized by Zawya Club, hosted a group of senior architecture students of the College of Architecture and Design supervised by **Dr. Monica Moscatelli**.

The students have the opportunity to learn about KAPSARC and its role as an advisory think tank, in addition to special initiatives and programs related to Human Capital. During the visit, the students can see the Center as an example of the most iconic and sustainable architecture globally through multiple innovative solutions.





Writer-Ms. Iman Almehdar



Architecture students at Prince Sultan University are making waves by participating in a design competition suggested by the Riyadh Region Municipality for a key location in Riyadh, contributing to sustainable urban development. Guided by Dr. Amani Derbali and the Studio Design V instructors' team, the students recently explored the site, capturing crucial insights for their soon-to-come innovative designs. This collaborative effort aligns with the university's commitment to hands-on education and supports the strategic goals of the Riyadh Municipality and Saudi Arabia's Vision 2030.





Interior design students from the College of Architecture and Design had the opportunity to visit the Noor Riyadh Gallery on January 21st, 2023. Organized by faculty members Dr. Donia Abdelgawad, Dr. Ghada Najjar and Dr. Fatma Hasanain, the trip aimed to expose students to the annual light and art festival in Riyadh, Saudi Arabia.

Noor Riyadh, known as the "Riyadh Light," is an initiative by King Salman Bin Abdulaziz Al Saud and Crown Prince Mohammed Bin Salman Bin Abdulaziz to showcase light art. The third edition, themed "The Bright Side of the Desert Moon," featured artworks from over 100 artists worldwide.

During the visit, students explored various installations across Riyadh, including the King Abdullah Financial District, JAX District, Salam Park, and more. They also attended the "Refracted Identities, Shared Futures" exhibition at the JAX District, curated by Neville Wakefield and Maya Al Athel.

**The trip provided students with valuable insights into the integration of light and art in design. They gained inspiration from the diverse artworks, enhancing their understanding of spatial dynamics and ambiance creation.** Additionally, the festival's community programs offered workshops and talks, fostering connections between students and local talents.

Overall, the Noor Riyadh visit offered students a practical learning experience and a deeper appreciation for the role of light in design. It further encouraged their involvement in the creative economy and supported their academic growth as future designers.



**Writer-Ms. Meshail Almoahiqeh**

On March 6th, 30 Interior Design students from Prince Sultan University visited the Riyadh Region Municipality Exhibition next to their school. **The trip aimed at learning about landscape design and its relevance in local park projects.**

Planned and guided by instructors Ms. Shouaa Al-rafeh and Ms. Raja Nasrullah, the students immersed themselves in exhibits showcasing innovative landscaping and sustainable practices. They also participated in a survey for King Salman's new district, offering their insights into urban development.

Throughout the day, students engaged in interactive activities exploring the intersection of interior design and public spaces. They left inspired, ready to apply their knowledge to local projects.





**Writer- Ms. Wallah Alqunaybit**

A valuable field trip to St. Regis Hotel was planned and led by two Interior Design Faculty, Ms. Nojoud AlAskar and Ms. Mashael AlMoshaiqeh. The trip was intended for students enrolled in the Hospitality Design studio this semester aiming to give them a closer look at the design principles employed in a luxury hotel.

The St. Regis team generously offered the students a comprehensive tour, covering every design element and its connection to the hotel's overall concept. From the moment they stepped into the grand reception and lobby, the students embarked on a journey through the hotel's meticulously designed spaces.

The tour encompassed all the key areas of the hotel:

- The welcoming reception and lobby, setting the tone for the guest experience.
- The inviting restaurant spaces, designed to foster a specific ambiance.
- The tranquil pool and gym areas, promoting relaxation and rejuvenation.
- The pampering spa, offering a haven of serenity.
- And finally, a look into the thoughtfully designed guest rooms.

By witnessing the practical application of design principles within a real hospitality environment, students gained a deeper understanding of the integral role of design in shaping the guest experience. Armed with this newfound knowledge, they are better equipped to approach their own hospitality design projects within the course with creativity and insight.



**Writer: Ms. Sarah Alqahtani**

In a bid to expand their knowledge beyond the confines of textbooks, students from course ID 354 and ID 213 embarked on an enlightening journey to the Steelcase factory in Aljuraisy twice this term. The first visit took place on February 13th and the second one on May 6th, 2024. Led by their instructors Ms. Dalal AlAqeel, Dr. Fatima Hasanain and Ms. Ebtehal AlMuaither, the students delved into the intricate world of office furniture production, gaining firsthand insights into the meticulous process behind creating functional and aesthetically pleasing workspaces.

Situated in the heart of Riyadh's new industrial area, the Steelcase Jeraisy facility welcomed the eager learners with open arms, offering them a glimpse into the realm of modern office solutions. Throughout the tour, students were captivated by the showroom's innovative designs, which seamlessly blended form with functionality to meet the evolving needs of the contemporary workplace. Accompanied by knowledgeable guides, the students navigated through the factory floor, where they witnessed the birth of each furniture piece, from raw materials to finished products.



**The journey demystified the complexities of furniture assembly, highlighting the precision and care required at every step of the manufacturing process.**

A particular highlight of the tour was the exploration of acoustical considerations, where students gained an understanding of how sound management plays a crucial role in fostering productivity and well-being in office environments. Additionally, they were given insights into the art of furniture painting, discovering the transformative power of color in shaping workplace ambiance.

Reflecting on their experience, students expressed gratitude for the opportunity to go beyond the theoretical realm and immerse themselves in a real-world industrial setting. **The visit not only deepened their understanding of office furniture design and production but also sparked newfound curiosity about the intersection of artistry and functionality in modern workspace solutions.** As they bid farewell to the Steelcase factory, the students left with a wealth of knowledge and inspiration, ready to apply their newfound insights to their academic pursuits and future careers in design and innovation.







### **Writer-*Ms. Meshail Almoshiqeh***

On Monday, February 5th, a group of 24 Interior Design students enrolled in Course ID 212 embarked on an enriching journey to the Prince Faisal bin Fahd Arts Hall. Their objective was to delve into the realm of exhibition design and glean insights from one of the city's most prestigious cultural institutions.

Led by their instructors Ms. Shoua'a Al-rajeh and Ms.Sara Alqahtani, the students eagerly toured in the vibrant atmosphere of the Arts Hall. Against the backdrop of stunning architecture and captivating exhibits, they set out to expand their knowledge and understanding of spatial design.

**The highlight of the trip was a hands-on exercise designed to challenge the students' creativity and perception of space. The activity was an excellent opportunity to learn and grow in a fun and interactive setting.**

Throughout the day, the students explored the various exhibits on display, marveling at the ingenuity and creativity showcased in each installation. From traditional artworks to contemporary designs, every corner of the Arts Hall offered new perspectives and inspiration. As the visit drew to a close, the students departed with minds buzzing with newfound ideas and insights. Their experience at the Prince Faisal bin Fahd Arts Hall had not only deepened their understanding of exhibition design but had also fueled their passion for creativity and innovation in the field of interior design.

**Writer: Ms. Iman Almehdar**

In accordance with PSU Strategic Plan : Outreach, Marketing, and Partnerships and in alignment with the goal: develop and improve PSU community service and continuing education programs and initiatives. 60 Students from Architecture department's 4th year students were encouraged to actively participate in a design competition (Aali AlRiyadh Competition) suggested by the Riyadh Region Municipality for a key location in Riyadh, contributing to sustainable urban development.

This also aligns with the Kingdom's Vision 2030, as the competition endeavors to present an urban study and sustainable solutions within the fields of architecture and urban design. Specifically targeting the enhancement of Riyadh Heights in the Al-Awali neighborhood, the competition aims to enrich its recreational and cultural aspects, thus supporting the strategic objectives of the Riyadh Municipality.

The active participation of architecture students from Prince Sultan University in hands-on projects enriches their understanding of post-graduation career prospects and diverse fields within the profession. Tackling the challenges posed by competition regulations mirrors real-world obstacles, fostering invaluable practical skills. Consequently, these students adeptly adapt to alterations mandated by competition organizers, such as weather constraints, spatial limitations, limited information regarding project sites, and even shifting deadlines.

To overcome these hurdles, students conduct comprehensive research to identify optimal project opportunities and understand neighborhood requirements. Additionally, some students engage in community interviews to involve local residents in the area's construction and development, ultimately enhancing living standards and amenities for the community.



Finally, the Department of Architecture at Prince Sultan University and the ARCH411 Architectural Design team are proud that 3 projects qualified for the final stage of the Upper Riyadh competition from the Riyadh City Municipality, and the project of one of our graduates also qualified, as they were chosen from among only 10 out of 400 projects submitted for this stage ! and we wish them luck in the last voting stage..





Writer: Ms. Iman Almehdar



The Department of Architecture at Prince Sultan University, comprising dedicated faculty members and enthusiastic students from the Urban Design discipline, enthusiastically engaged in the transformative Urban Design Studio initiative. Supported by the prestigious Prince Abdul Aziz bin Ayyaf Award for Humanizing Cities, this initiative was a proactive step towards enhancing the fabric of residential neighborhoods.

With a commitment to fostering livable environments, the initiative sought to go beyond mere architectural aesthetics, aiming to infuse these communities with a renewed sense of vitality and human connection. Through innovative design interventions, the focus was on elevating the quality of life for residents while nurturing a sense of belonging and community spirit.

As part of this collaborative endeavor, Prince Sultan University joined forces with a consortium of universities in Riyadh, embarking on a journey of knowledge exchange and shared exploration. Through a series of engaging sessions and interactive activities, participants had the opportunity to delve into diverse perspectives, exchange ideas, and collectively brainstorm solutions to complex urban challenges.

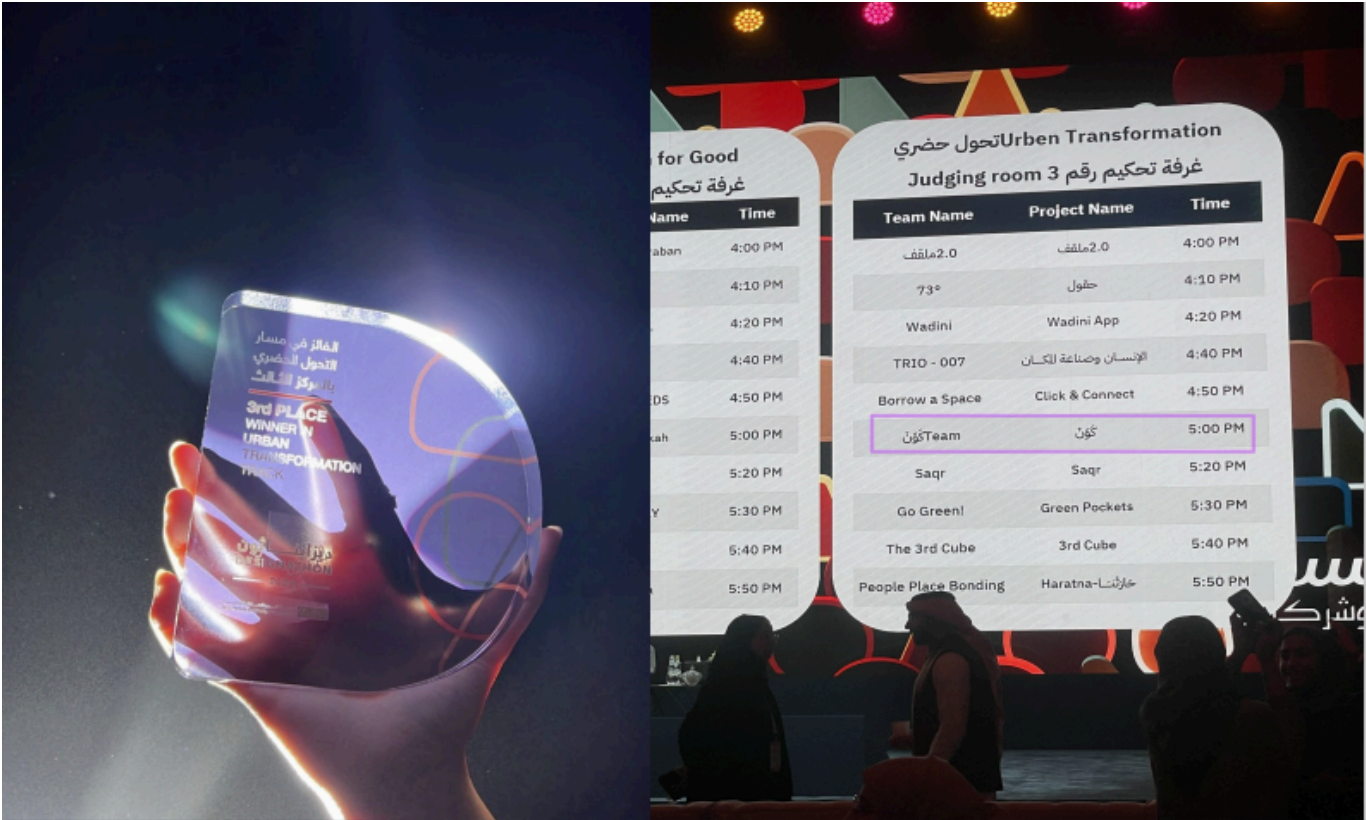
Moreover, the initiative placed a special emphasis on inclusivity, actively encouraging the participation of female students. Their voices and perspectives were not only welcomed but celebrated, enriching the discourse with fresh insights and creative perspectives.

As the Urban Design Studio initiative unfolds, it is our collective hope that the collaborative efforts and innovative solutions generated will serve as catalysts for positive change, leaving a lasting impact on the urban landscape and the lives of those who inhabit it. Best wishes extend to all participants as they embark on this inspiring journey of urban transformation and community empowerment.

ARCH STUDENT AT PSU WINS 3RD PLACE AT DESIGNATHON

ARCH COMPETITIONS

Writer: Ms. Iman Almehdar



We are delighted to share the exceptional achievement of Lama Abdullah, an architecture student from Architecture and Design College at Prince Sultan University, who led her team to a remarkable third-place victory in the recent Designathon event. Held from February 1st to 3rd, 2024, this prestigious competition, organized by The Architecture and Design Commission, attracts talented designers from across the kingdom of Saudi Arabia.

Lama Abdullah collaborated with Sarah Al Mubarak, an urban planning student from King Saud University, and Jana Al Shemimri, a skilled graphic designer, to form a dynamic and innovative team. Together, they demonstrated exceptional creativity and problem-solving skills, earning recognition for their outstanding performance.

The Designathon event challenges participants to address pressing societal issues through innovative design solutions. This year's theme, focusing on architecture and design, provided an opportunity for participants to propose solutions within specified categories.



*Writer: Ms. Iman Almehdar*



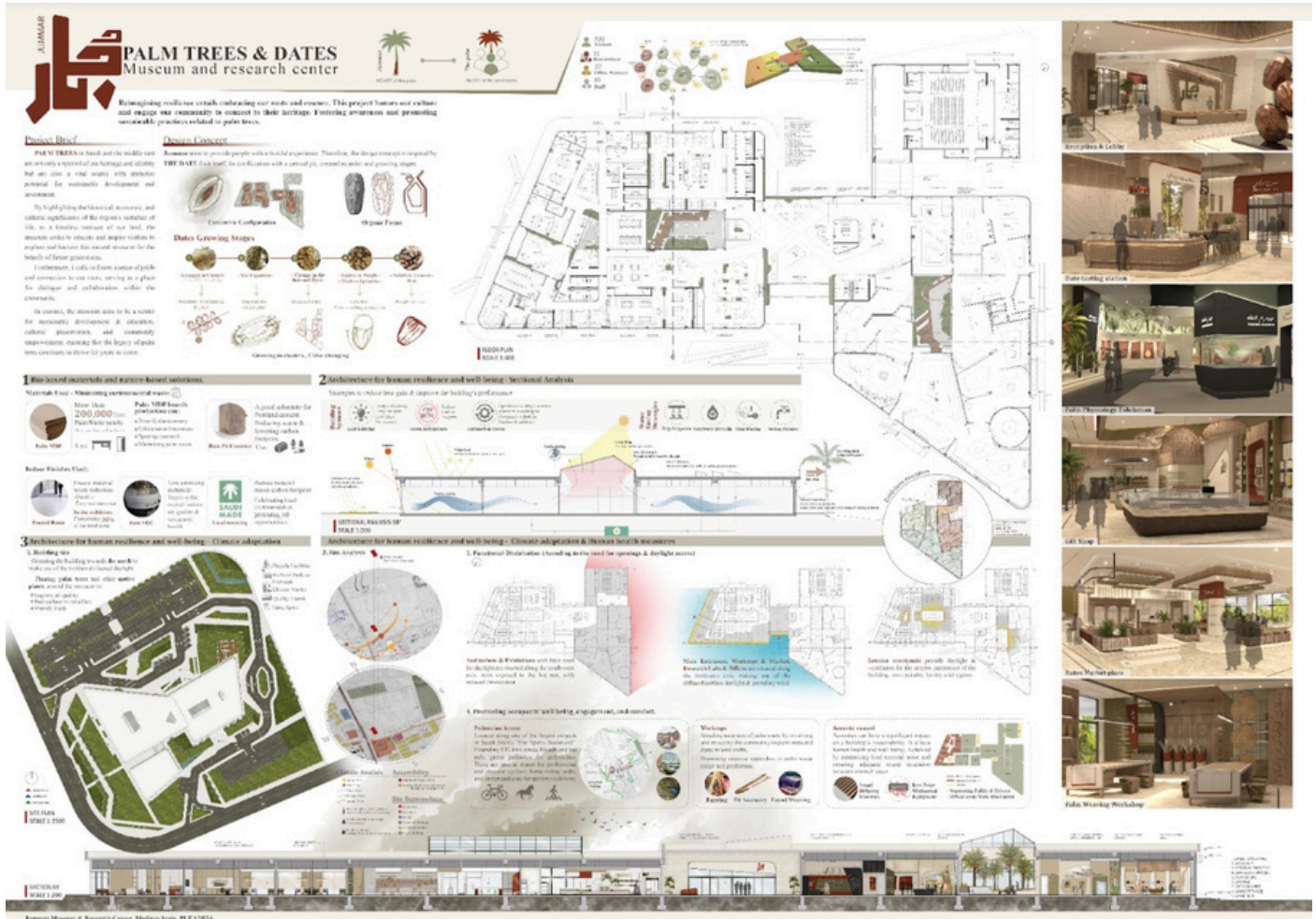
Lama and her team chose to tackle the prevalent issue of vacant lands, which constitute thirty-nine per cent of Riyadh's landscape. Their ingenious solution involved repurposing recycled containers to offer essential services to local communities, ranging from food distribution to recreational facilities.

Their project not only impressed the judging panel but also showcased the ingenuity, social responsibility and leadership of Prince Sultan University's students. Lama and her team's collaborative spirit exemplify the university's commitment to fostering creativity, innovation, and social awareness among its students.

We extend our heartfelt congratulations to Lama Abdullah, Sarah Al Mubarak, and Jana Al Shemimri for their outstanding achievement. Their success reflects the caliber of talent and dedication within our student body, and we are immensely proud of their accomplishments.

As we celebrate this victory, we look forward to seeing more groundbreaking initiatives from our students as they continue to inspire positive change and innovation within our university community and beyond.

Writer: Ms.Mafaz Almoshiqeh



Layan Al-Soghaier, a talented interior design student from the College of Interior Design secured third place in the prestigious PLEA 2024 Students' Design Competition. Her remarkable achievement came as a result of her outstanding senior project, the "Jummar Museum and Research Center."

The PLEA (Passive and Low Energy Architecture) competition serves as a vibrant complement to the 37th PLEA conference, held in Wroclaw, fostering a dynamic connection between theoretical concepts and practical applications. This year's overarching theme, "(Re)thinking resilience," challenged participants to propose innovative designs that champion sustainable and resilient principles.



Wrtier: Ms.Mafaz Almoshiqeh



Dates Market place



Palm Physiology Exhibition



Palm Weaving Workshop



Gift Shop

Al-Soghaier's project exemplified this theme by offering a comprehensive solution that integrated sustainable practices with functional design. **The "Jummar Museum and Research Center" not only addressed the medium-scale intervention category of the competition but also demonstrated a deep understanding of sustainable urban strategies.**

This remarkable achievement was made possible under the supervision of faculty members Ms. Lama Al Udah and Ms. Mafaz Al Moshiqueh, whose guidance and mentorship played a key role in shaping Al-Soghaier's project.

# Interior Design Students Win at Boutique Hotel 2023 Competition!

## ID COMPETITIONS

**Written By: Ms. Mashael Almadhi & Ms. Meshail Almoshaiqeh**

Interior Design students from Prince Sultan University won the prestigious Boutique Hotel 2023 Architecture by Archaz Competition!

Held between October 2nd and 20th, 2023, the Boutique Hotel 2023 Architecture Competition by Archaz was supervised by Ms. Nora Aji and Ms. Mashael Almoshaiqeh.

The competition sought to inspire participants to think outside the box and propose new and exciting concepts. The design challenge for the boutique hotel studios wasn't simply about outdoing traditional hotels; it called for innovation and boldness, pushing boundaries to create unique and adventurous experiences for guests.

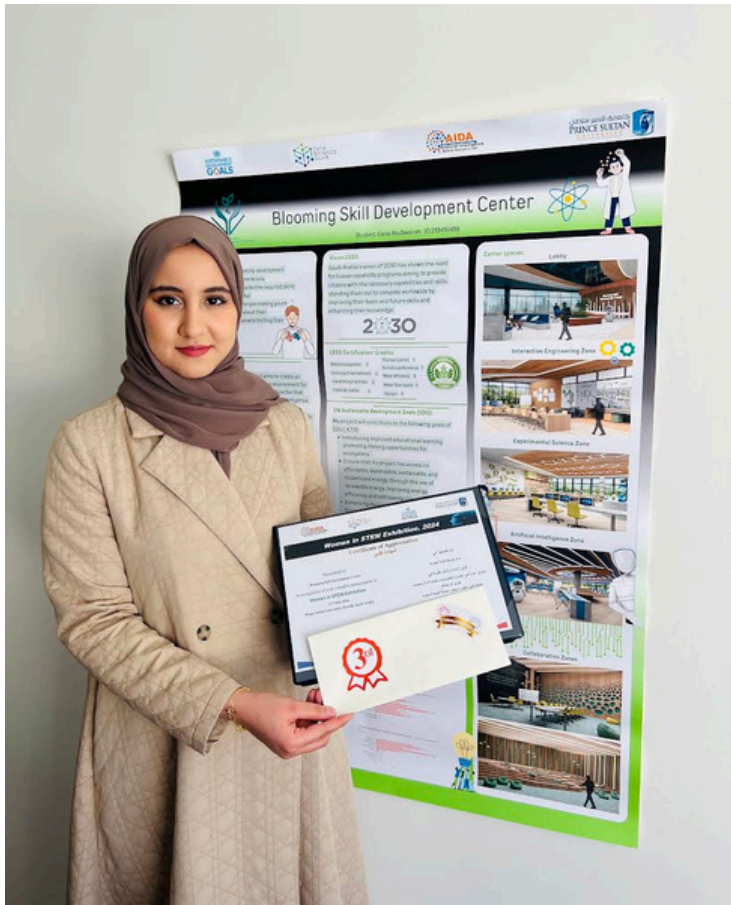
**Sara Alaidaros claimed first place with her innovative design, followed by Amirah Algaseemi and Rahaf Alkhudhair in second and third place, respectively.**

These achievements showcase our students' exceptional talent and the program's excellence. We are incredibly proud!





Writer: Ms.Mashaal Almadhi



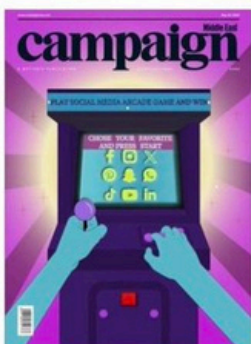
Dana Abuswaireh, an Interior Design student won third place in the poster/research category at the recent Women in STEM exhibition day held on February 11th, 2024 at Prince Sultan University.

Dana's project **"Blooming Skill Development Center"** aims to create an innovative STEM-centric learning environment for adolescents through a multifaceted center that includes dedicated zones for AI, robotics, coding, science, and engineering. Dana's captivating poster presentation under the supervision of faculty Ms. Lama Al Audah and Ms. Mafaz Almoshiqeh effectively communicated her vision and impressed the judges. Her achievement resonates strongly with the International Day of Women and Girls in Science, inspiring future STEM enthusiasts.

Writer: Ms. Wallah Qunaybit, Dr. Afsina Abbasi



## Third Place



### THIRD PLACE

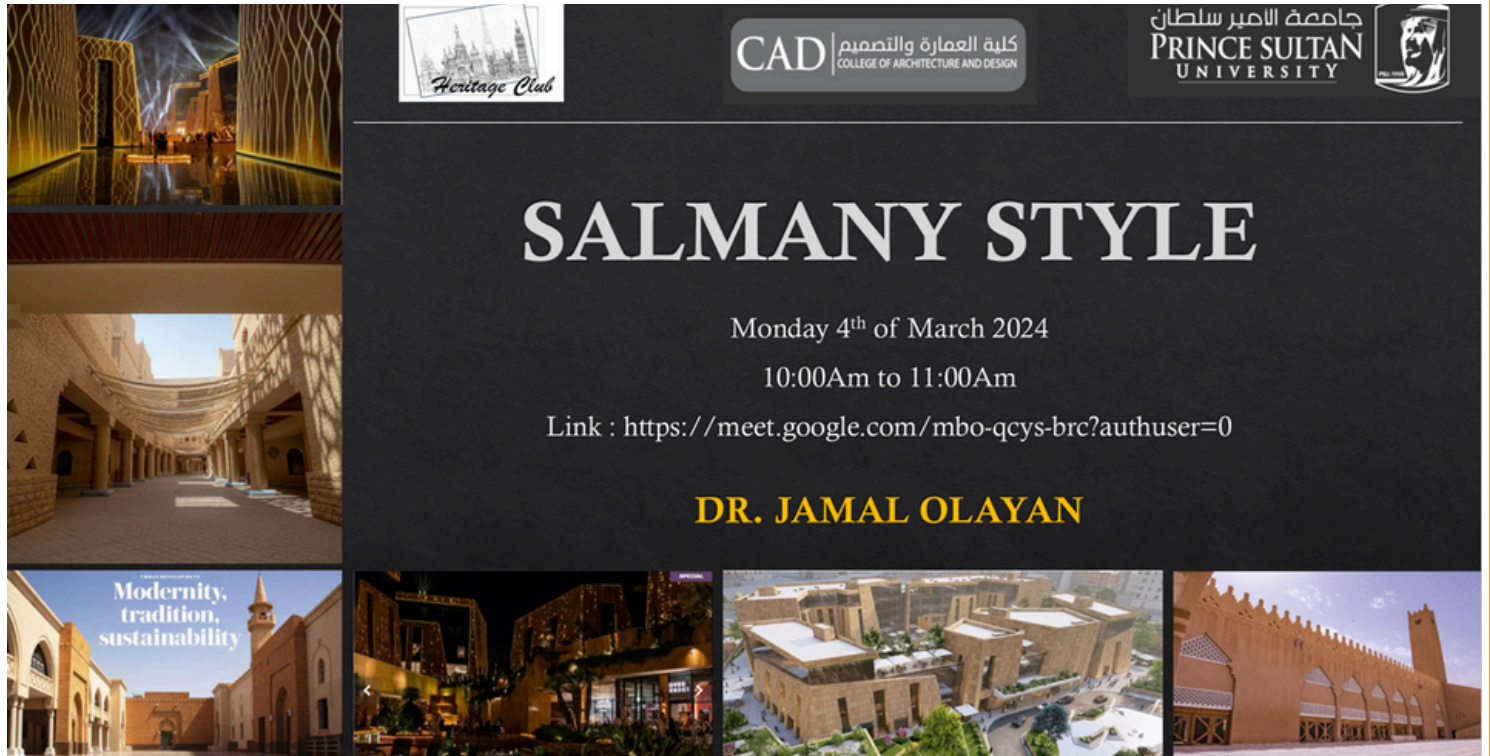
Ghada Almanea  
Prince Sultan University  
KSA

At the Dubai Lynx International Festival of Creativity in December 2023, Architectural student Ghada Almanea secured third place with her original cover design for "Campaign ME" magazine. **The competition tasked participants with capturing social media's impact on creativity in the MENA region.** Ghada's submission, mentored by the Interior department faculty Dr. Renad in Digital Graphics I, artfully blended regional influences with global trends, earning recognition for her talent and our institution's fostering environment.

The Dubai Lynx Awards, part of the Cannes Lions International Festival of Creativity, celebrate excellence in advertising and communications across MENA, showcasing innovative campaigns and fostering global connections.



Writer: Ms. Sara Almaghlouth



Heritage Club

CAD كلية العمارة والتصميم  
COLLEGE OF ARCHITECTURE AND DESIGN

جامعة الامير سلطان  
PRINCE SULTAN  
UNIVERSITY

# SALMANY STYLE

Monday 4<sup>th</sup> of March 2024  
10:00Am to 11:00Am  
Link : <https://meet.google.com/mbo-qcys-brc?authuser=0>

**DR. JAMAL OLAYAN**

Dr. Salma Dwidar, the coordinator of the Heritage Club, and Dr. Hala Sirror organized a lecture titled "The Salmay Style" under the Heritage Club for the students of Architectural Design III. The lecture is meant to strengthen students' knowledge of Salmani Architecture as they are required to design a mixed-use building and adopt the six core values of the King Salman Charter for Architecture and Urbanism.



**EMPOWERING SAUDI ARABIA: OUR ROLE IN  
ADVANCING THE SUSTAINABILITY AGENDA  
TOWARDS CARBON NEUTRALITY BY 2060**

Mohammed S. Al Surf, holder of PhD. in Sustainable and Green Construction. Senior Advisor for Sustainability and Climate Action at Jacobs. Founder of the Sustainability Professionals in Saudi Arabia Network (SPSA) reaching 7000 members. First Saudi to become a USGBC® Faculty, an ISSP® Sustainability Associate, and a TRUE® Advisor. LEED® Accredited Professional in BD+C, ENV SP credential and a Green Classroom Professional. Author of the books titled "Sustainable Housing in Saudi Arabia: Opportunities & Challenges" and "10 Steps to Become a Sustainability Professional". Member of several local and international professional entities such as the U.S. Green Building Council, the Saudi Council of Engineers (SCE), the Pacific Rim Real-Estate Society (PRRES), Asian Real-Estate Society (AsRES) and Project Management Institute (PMI). Dedicated to applying a systematic approach to Green Construction and Sustainable methods applied on projects in Saudi Arabia to induce quality of life while preserving the depleting supply of natural resources.

**SALab Seminar 3**  
**14 FEB. 2024**  
**12-1 PM (KSA)**  
[meet.google.com/asy-bbt-nvf](https://meet.google.com/asy-bbt-nvf)

**Presenter: Dr. Mohammed Al Surf**  
ESG Advisor, FII Institute & Carbon  
Department Director At Tilad  
Environment



Organized by Dr. Rasha A. Mousa

## SEMINARS 2023-2024 SALab Sustainable Architecture

**CALABRIA VILLAGES FROM  
ABANDONMENT TO  
REBIRTH  
IUAV TOUR IN REVENTINO SAVUTO**

Prof. Pierluigi Grandinetti, Italian architect, a full professor at Iuav University of Architecture Venice, focuses on architectural theory and composition. His research delves into the architectural project's centrality, composition tools, and the interplay between composition, construction, and the design of new and old structures. Since 2008, he leads the university's interdisciplinary research unit "Reasons and forms of conservation," overseeing projects, including European ones like "Rural architecture and landscapes of the Northeast." Grandinetti has published extensively, and his notable works, displayed in prestigious exhibitions, encompass projects like the Osoppo fortress recovery, Aello town hall, Noncello park valorisation, Villa Contarini guesthouses restoration, Cima di Brenta village redevelopment, and protection of Roman domus remains in Zuglio and Aquileia.

**SALab Seminar 4**  
**28. FEB. 2024**  
**12-1 PM (KSA)**  
[meet.google.com/jd-clak-wmz](https://meet.google.com/jd-clak-wmz)

**Presenter: Prof. Pierluigi Grandinetti**  
IUAV University of Architecture Venice  
Cultures of Project Department  
ClusterLab Iuav "Paesaggi culturali"  
ClusterLab Iuav He Mode



Organized by Dr. Silvia Mazzetto

## SEMINARS 2023-2024 SALab Sustainable Architecture

**The SUSTAINABILITY OF  
EJUST CAMPUS**

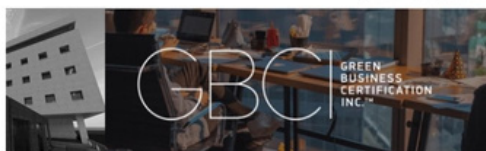
Certified by the Green Business Certification in the USA, offering 1 Cr hr for LEED trainees

Dr. Hatem Mahmoud is the Director of the Sustainable Architecture Program at Egypt Japan University of Science and Technology in Egypt. He earned his PhD in sustainable urban planning from Kyushu University in Japan. Founder of Urban Climate Lab at Aswan University in cooperation with the Free University of Berlin (under the German Egypt Research Fund program) and the founder of Sustainable Architecture and Green Materials Lab at Egypt Japan University of Science and Technology (funded by ASRT). His previous publications have focused on urban geometry and its impact on micro-climate conditions to improve outdoor and indoor thermal comfort, and remote sensing techniques to predict urban growth. His current research focuses on optimizing building envelopes, passive techniques, PV/green roof integration, Green and Sustainable materials, and Virtual Environments. Dr. Hatem has published over 45 research papers in international refereed journals and conferences and is a reviewer for several international journals.

Research gate: <https://www.researchgate.net/profile/Hatem-Mahmoud>  
Google Scholar: <https://scholar.google.com/citations?user=80213p-AAAAAJ&hl=en>

**SALab Seminar 5**  
**3. MARCH. 2024**  
**12-1 PM (KSA)**  
[meet.google.com/xzn-eroa-qtp](https://meet.google.com/xzn-eroa-qtp)

**Presenter: Associate Professor Hatem Mahmoud**  
Director of the Sustainable  
Architecture Program at Egypt  
Japan University of Science and  
Technology in Egypt



Organized by Dr. Marwa Fahmy

# SA LAB GUEST SPEAKERS

Writer: Ms. Sara Almaghlouth

SA LAB Sustainable Architecture Under the Architectural Department has organized several Seminars for the Second Semester - Term 232

## SEMINARS 2023-2024 SALab Sustainable Architecture

**ARCHITECTURE AS AN EMOTIONAL  
EXPERIENCE**

**SALab Seminar 6**  
**13. MAY. 2024**  
**12-1 PM (KSA)**  
<https://meet.google.com/tcz-gsnv-asa>

Rubens Cortés Cano was born in 1974 in Tenerife, Spain. During his studies, he was an Erasmus scholarship holder at Oxford Brookes University in the United Kingdom. He then graduated as an architect from the University of Granada in 2001 and as a Ph.D. Architect in 2015. He is currently an Associate Professor at the Higher Technical School of Architecture of Granada—ETSAG, although he already had his first experience as a Professor at the Moscow School of Architecture \_ MARCH (2012-2014). His work distinguishes two stages: one period focused on constructive and material research (2000-2010) and another related to developing single-family houses and implementing innovative structural solutions (2014-2024).



Organized by Dr. Beatriz Villanueva

**Presenter: Prof. Rubens Cortés Cano**  
Associated Professor Architectural  
Design, Department of Graphic  
Expression, School of Architecture of  
Granada, Spain.



Rubens Cortés has received awards such as the FAD 2005 in the category of ephemeral spaces, for which he was a finalist in 2010 for the Magdalena Fountain in Jaén. He also received the "Special Prize for Detailing" at the International Architecture Biennale Cappochin in Padova (2011) for the Library Public Maria Lejárraga de Ogijares. Some of his works have been shown at the 11th. Biennale of Architecture of Venice, at the World Congress of Architecture of Helsinki (2011) and the FAD awards in Barcelona (2005 and 2010).

## SEMINARS 2023-2024 SALab Sustainable Architecture

**INTEGRATING CLIMATE RESILIENCE  
INTO URBAN GREEN REGENERATION**

**RE-DESING STREETSCAPES AS  
NATURE-BASED AND INCLUSIVE  
COMMONS**

**SALab Seminar**  
**19.MAY. 2024**  
**12-13 PM**  
[meet.google.com/eyy-vced-gnb](https://meet.google.com/eyy-vced-gnb)

Alessandro Raffa, Architect Ph.D., is Assistant Professor PON R&I FSE-REACT-EU at the Department of European and Mediterranean Cultures, University of Basilicata, where is member of the Nature CityLab and UNESCO Chair on Mediterranean Cultural Landscape and Communities of Knowledge research groups. He had been Fulbright Visiting Scholar at FIBER and College of Design, Construction and Planning, University of Florida (2023-2024); post-doc researcher at Politecnico di Torino (2021-2022) and research fellow at Fondazione Benetton (2020). He is also associate researcher at FEEM-Fondazione ENI Enrico Mattei and Accademia Adrianea di Architettura e Archeologia. His research addresses climate adaptation in urban regeneration via Nature-based solutions in the Med region.

**Presenter:**  
**Dr. Alessandro Raffa**  
UNIBAS, Matera, Italy  
Assistant Professor R&I  
PON R&I and FSE-REACT EU





## Seminar Explores Integration of AI into Building Information Modeling: Insights from Dr. Suleiman Ashur

*Writer: Ms. Sarah Alqahtani*

A special seminar was planned and organized by Interior faculty Dr. Nadia Arafah as part of the Built Environment Research Lab on March 6th, 2024. Dr. Suleiman Ashur, a respected Professor of Civil Engineering and Construction Management at Eastern Michigan University (EMU), was invited to lead an **online discussion on integrating Artificial Intelligence (AI) into Building Information Modeling (BIM) exploring the benefits and challenges of this innovative approach**. With over 25 years of teaching experience, Dr. Ashur specializes in transportation engineering systems, construction engineering, and management. He's known for his leadership in establishing Civil Engineering Programs at EMU and Purdue University Fort Wayne.

During the seminar, Dr. Ashur presented two case studies demonstrating the use of web-based AI-BIM tools. These studies evaluated design indicators like radiation, sun hours, and energy consumption. Ms. Nada Almontaser, Dr. Ashur's student, also shared her insights into AI's role in BIM. The seminar attracted students, faculty, and industry professionals interested in AI's impact on design and construction. Attendees gained practical knowledge and were inspired to embrace innovation in their work.

## ID BUILT ENVIRONMENT LAB GUEST SPEAKER



### The AI-BIM Revolution



**The event showcased EMU's commitment to advancing engineering education and fostering collaboration in the construction industry.**

**Writer- Ms. Walla AlQunaybit**

The world of Interior Design thrives on visual storytelling. But for many students, translating their ideas into compelling sketches, models, and presentations can be a significant hurdle. This is where the concept of an Interior Design Visualization Hub comes in – a brilliant initiative spearheaded by Dr. Ghada Najjar, a recognized expert in the field, that addresses a critical gap in design education.

Dr. Ghada's passion for design and her recognition of the importance of visual communication skills in students led her to create the Interior Design Visualization Hub. Her background, which includes experience in visual presentation, positions her perfectly to guide and inspire the next generation of designers.

Since current design curriculums may not always provide sufficient depth in areas like model making, perspective drawing, and rendering. Dr. Ghada, through the Hub, bridges this gap by offering workshops that leverage her expertise in:

- **Technical Skills:** workshops that equip students with the technical skills needed for successful visualization, such as mastering perspective drawing and renderings.
- **Practical Application:** By focusing on practical application, the students can translate their newfound skills into real-world projects, like crafting high-quality models and freehand sketches that effectively communicate design intent.

- **Creative Exploration:** The Hub fosters a creative environment, encouraging students to explore their design ideas and develop their unique visual language.

The Interior Design Visualization Hub, under Dr. Ghada Najjar's leadership, is an investment in the future of design. By empowering students with the skills to excel in visual communication, the Hub ensures a generation of designers who can translate their ideas into captivating realities.

## ID Visualization Hub

Workshops By Dr. Ghada Najjar

### Vision

Our goal is to become the forefront of interior design by inspiring creativity and craftsmanship through visual excellence. We strive to revolutionize design education, empowering students with skills to shape the future through immersive visual presentations

### Mission

At the Interior Design Visualization Hub, Our mission is empower students with cutting-edge resources and expert guidance to enhance their visual presentation skills.

### Goals

- Enhance student manual skills and craftsmanship development.
- Elevate the visual presentation quality for studio projects
- Enhance proficiency in model making, perspective drawing, hand sketches, and material board creation

Workshops are available through reservation for groups and individuals every Sunday /Wednesday 11:00- 2:00 pm

- **Grid-based perspective drawing**
- **Rendering with color markers**
- **Manual handmade model-making**
- **Free Handsketching**





# STUDENT SPOTLIGHT

## DANA ABUSWAIREH

Dana is a high-achieving senior Interior Design student, honored with multiple awards and recognized on the Dean's Students Excellence list for two consecutive years. Her dedication extends beyond academia, as she actively volunteers in PSU's initiatives and contributes to the College's research endeavors.

*Interviewed by Dr. Afsina Abbasi*

### 1. Tell us what made you choose Interior Design as your field?

My strong sense of detail: paying close attention to details such as materials, colors, textures, and spatial arrangements. My creative thinking of new innovative ways to solve problems. My vivid and vast imagination that helps me envision different ideas and possibilities, and my artistic expressions: my ability to express myself. The flexibility of working options freelancing, remote working ,part-time ,specialization and educational.

### 2. Which project do you strongly connect to and why?

My senior project that aimed to solve a prominent problem in our century which was the lack of skill development centers that should aim in helping youth in global development and future carrier opportunities. I tackled this challenge by employing STEM education, which is an international educational approach that is vital as it equips students with the skills and knowledge needed to tackle real-world problems in fields like science, technology, engineering, and mathematics. As it promotes critical thinking, problem-solving, and innovation, preparing students for careers in rapidly evolving industries and contributing to advancements in society, technology, and economic growth.

### 3. How important is being disciplined for student success?

Being disciplined is crucial for students' success as it develops consistent study habits and time management skills, enabling students to stay focused on their goals and achieve academic excellence.

### 4. Who has been your inspiration?

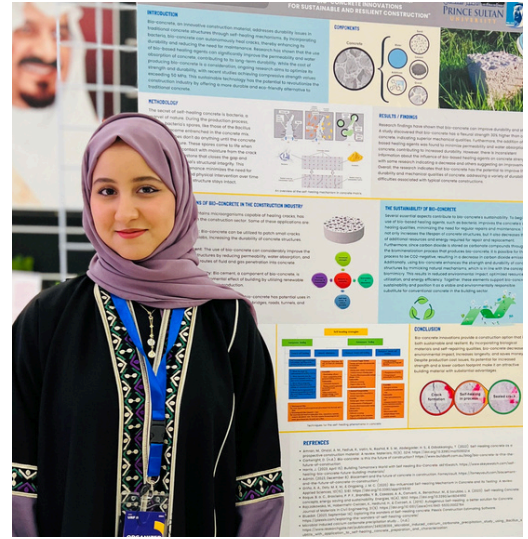
My parents as they always showed me how dedication and positive thinking always help me achieve my goals. Their unwavering commitment and optimistic attitude constantly guided me towards taking over my challenges and achieving my goals. Whether it was through their tireless efforts or encouraging words, they instilled in me the belief that with perseverance and positivity, anything is possible.

### 5. What word of advice would you like to give to the new students?

**Never underestimate your abilities or doubt yourself! Always take the chance to try. You'll never discover your true potential until you give it a shot.**

### 6. What are your plans after graduation?

My objective is to enhance my skills in multiple areas of architecture and interior design while completing my higher education.



# STUDENT SPOTLIGHT

## Jude Najjar

Architecture Student

Jude is a standout student, admired for her remarkable achievements. Her exceptional talent shines through the numerous awards she has earned across various domains, showcasing her versatility. Each of Jude's architectural projects is a testament to her boundless creativity and unparalleled skill, consistently earning admiration and recognition at prestigious events, leading to multiple appearances on the Dean's student excellence list. Moreover, Jude's prowess extends beyond accolades, as she has clinched victories in competitions like Emirates Environmental Competition and she participated in several research activities such as the WIDS conference, URF8, and, further solidifying her reputation as a top achiever in her field.

### Interviewed by Ms. Sara Almaghloth

#### What made you choose Architecture as your field?

Architecture, to me, is the perfect blend of art, science, and humanity. Its not just about designing buildings; it is about shaping environments, influencing experiences, and enriching lives. As an architecture student, I am fascinated by the power of design to evoke emotions, foster connections, and transform communities. The prospect of creating spaces that resonate with people on a profound level is what drew me to this field

#### What are the key driving points that push you to do your best?

With the unwavering support of my parents and sister, who have always encouraged and believed in me, I am driven by a deep sense of responsibility to make them proud. Their faith in my abilities serves as a constant reminder of the importance of perseverance and dedication.

Additionally, my passion for architecture is fueled by my love for painting and drawing, as well as my determination to never give up. Every stroke of my pen, every line on paper is a step towards realizing my vision. I am driven by the desire to push boundaries, challenge conventions, and strive for excellence in everything I do. The thought of making a positive impact through my designs keeps me motivated even in the face of challenges.

#### Which project do you strongly connect to and why?

My senior project, the Islamic Cultural Center inspired by the Quranic verse "Guide us to the straight path holds a special place in my heart. Its not just a building; its a journey towards spiritual enlightenment and connection with the divine. The design narrative, reflecting the struggle and eventual triumph over darkness, resonates deeply with me. Its a testament to the power of architecture to uplift the human spirit and foster a sense of peace and belonging.

#### How important is being disciplined for student success?

Discipline is the cornerstone of student success in architecture. Its not enough to be creative; one must also be disciplined in their approach to design, time management, and self-improvement. Architecture demands dedication, perseverance, and a willingness to constantly learn and evolve. Without discipline, its easy to become overwhelmed by the demands of the field. By cultivating discipline, students can unlock their full potential and excel in their academic and professional endeavors.



#### Who has been your inspiration?

Rasem Badran, my favorite architect, has been a major source of inspiration for me. His mastery of traditional Islamic architecture and his ability to seamlessly blend modernity with tradition have greatly influenced my design philosophy. Badran's reverence for culture, context, and spirituality is evident in his work, serving as a guiding light for aspiring architects like myself.

His legacy reminds me of the profound impact architecture can have on society and reinforces my commitment to creating meaningful spaces that resonate with people. Additionally, throughout my academic journey, my university instructors have played a pivotal role in shaping my perspective and fueling my passion for architecture. Their dedication to teaching, their depth of knowledge, and their commitment to nurturing creativity have been instrumental in my development as a designer.

#### What word of advice would you like to give to the new students?

To the new students embarking on their journey in architecture, I would say: Embrace challenges, stay curious, and never stop learning. Architecture is a demanding field that requires resilience, creativity, and an open mind. Be proactive in seeking out opportunities for growth, whether through internships, workshops, or engaging with professionals in the industry. Remember that every project, no matter how small, is an opportunity to hone your skills and make a difference in the world.

#### What do you plan after graduation?

After graduation, my journey in architecture doesn't end; it evolves. I am committed to lifelong learning and continuous growth in my field. While I may pursue immediate career opportunities, my thirst for knowledge and passion for architecture will drive me to seek further education, whether through specialized courses, workshops, or advanced degrees. Architecture is a dynamic and ever-evolving discipline, and I believe that one should never stop learning in order to stay relevant and push the boundaries of design innovation.



