

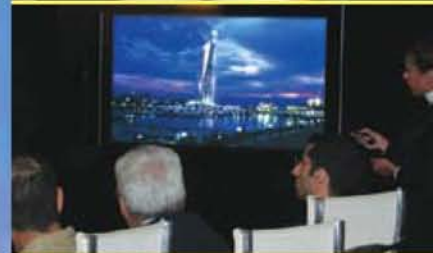


KUWAIT CHAPTER

CONCRETE NEWS

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CONCRETE NEWS

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Kuwait Chapter



Dr. Hasan Kamal

From the President's Desk

Dear ACI-KC members:

As we all know, our mission in this chapter is to develop and share technical knowledge and to infuse discipline among our members. The strength of our chapter is clearly recognized locally, regionally and internationally due to the continuous achievements of this chapter since its establishment in 1997.

By reaching to the end of our activities of this year 2008-09, we can proudly affirm that the chapter is efficiently fulfilling its mission. The chapter members, individuals and organizations, were ambitious to effectively participate in this year activities. The committees' chairpersons started their activities with solid planned programs. The directors of the board are regularly meeting in order to provide advantageous services and useful knowledge to our members.

This year, we had the opportunity to establish an active Students Committee in the chapter for fulfilling the ACI-International requirements for establishing a Student Chapter at Kuwait University which can then be established in the other universities in Kuwait. The chapter's committees started their pre-planned programs efficiently. The activities of the social committees, so far, included organizing two dinner banquets to our members in addition to arranging four field trips to attractive high-rise projects and construction factories in Kuwait. The technical committee organized several seminars, a training course, a Diwaniya forum, technical sponsoring and participating in two conferences in Kuwait.

The membership committee started its activities with updating the contact information for our members. The committee members are conducting continuous efforts for encouraging professionals, engineers, and organizations to join the chapter. Your help is very much needed. The activities of the publication committee included upgrading and updating the website of our chapter (aci-kuwait.org) and publishing issues of the chapter's newsletter, ConcreteNews, with a new design.

The chapter is currently preparing for organizing the Annual Awards Banquet activity of this year which will be held under the Patronage of the Minister of Public Works and State Minister for Municipality Affairs. The awards will include the Award of Achievement for a distinguished individual and The Award of Excellence for a local outstanding project.

I would like to take the chance to thank all our members, individuals and organizations, for their continuous support, advice and participation in the activities and making this year as a fruitful professional year. Thanks are extended to the Board of Directors, chairpersons and members of the committees. We are looking to fully complete our mission this year and plan for a better future for all of us.

Dr. Hasan Kamal, President
ACI - Kuwait Chapter
April 2009

About ACI-Kuwait Chapter

**The three main bodies of the Chapter are its
Directors, Committees, Members.**

Board of Directors

Members of the Board of Directors are elected by the Members of the Chapter after being nominated by the Nomination Committee. There are nine members of the Board of Directors:

Board of Directors 2008 - 2009

President:	Dr. Hasan Kamal
Vice President:	Ms. Hayfaa Al- Mudhaf
Past President:	Mr. Ahmad A. Al-Jihayem
Director:	Dr. Naji Al-Mutairi
Director:	Mr. A.W. Rumani
Director:	Dr. Khaldoun Rahal
Director:	Dr. Moetaz El-Hawary
Director:	Dr. Saud Al-Otaibi
Director:	Mr. Mansour Rao

The terms of office of the President and the Vice - President cover a maximum of one year. The Directors are elected every year to serve a three-year term.

The Membership Committees aim to perform these tasks as follows:

• Recruiting new member individuals and organizations.	Chairperson	Mr. Mohamad Harb
• Issuing and renewing membership certificates.	Member	Mr. Mohamed Adel El Amir
• Publishing and updating chapter directory of membership.	Member	Mr. Reynaldo C. Mualde
• Facilitating communication among members and communicating to the Board of Directors and other established student chapter.	Member	Mr. A.W. Rumani

The Technical Committee's main activities cover the following:

• Identifying technical topics of interest to Chapter Members and recommendations to the Chapter for seminars, short courses and workshop on the topics.	Chairperson	Dr. Moetaz El-Hawary
• Reviewing and submitting to Chapter members of ACI International committee reports of relevance to Kuwait	Co-Chair	Dr. Khaldoun Rahal
• Reviewing proposed revision of ACI Standards and submitting reviewed comments to the Chapter's Board of Directors for submission to ACI International.	Member	Mr. Mohamad Harb
• Promoting local research and testing programs to resolve technical issues of importance for durable concrete construction in Kuwait.	Member	Dr. Hasan Kamal
	Member	Dr. Mohamed Hafez Mathana
	Member	Mr. A.W. Rumani



Kuwait Chapter

The Publication Committee has for its main activities as follows:

• Publishing the periodic newsletter to inform of Chapter activities and provide general information of use to Chapter membership.	Chairperson	Dr. Saud Al-Otaibi
• Printing and distributing copies of technical reports to Chapter members, as well as to interested individuals and concerned bodies.	Co-Chair	Ms. Hayfaa Al-Mudhaf
• Preparing meeting reports and Chapter news for submission for publication in the Concrete International Magazine.	Member	Mr. A.W. Rumani
	Member	Dr. Mohamed Hafz Mathana
	Member	Mr. Ahmed Abdel Rahman

The Social Committee works on the main activities as follows:

• Organizing annual recreational activities for Chapter members.	Chairperson	Ms. Dana Drobiova
• Organizing representation of the Chapter at selected national events.	Co-Chair	Mr. Mohamad Harb
• Organizing field trips to major construction projects.	Member	Dr. Mohammed Hafez Mathana
	Member	Ms. Hana Hashem
	Member	Mr. Ahmed Abdel Rahman

The Nominating Committee members are elected every year:

• The nominating committee selects individuals who have the interest and the willingness to serve, as well as those possessed of leadership qualities for selection to the Board of Directors and Chapter offices. The committee submits their names before the annual general selection by Chapter members.	Chairperson	Mr. Ahmed A. Al-Jihayem
	Member	Mr. Waleed Barakat
	Member	Ms. Suad Al-Bahar
	Member	Dr. M. Naseer Haque

ACI - Key to success



**ACI
Kuwait
Chapter
Wants You**

You already know the benefits of the American Concrete Institute International membership, but have you considered the benefits of belonging to your local ACI chapter? The local Kuwait Chapter functions as a distribution center on latest information and ideas. You'll find professionals with ready answers to local concrete problems you encounter everyday.

Fill out coupon below and fax it to **2428148**. Complete details on ACI Chapter affiliation will follow immediately.

Send the fax to ACI Kuwait Chapter

Name: _____

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The opinions expressed in Concrete News are these of the authors and do not necessarily reflect the views of ACI-Kuwait Chapter.

In the Spotlight

Consultant Eng. Assoc. Prof. Dr. Mohamed Hafez Matthana

Dr Mohamed is an Associate Professor at the Structural Eng. Dept. EL-Mansoura University, Egypt. He is a graduate of the Civil Eng. Dep. of the same University in 1987. He got the M.Sc. degree in Structural Engineering in August 1991 and obtained the PhD degree in Structural Engineering in July 1997. Dr Mohamed launched his professional career in parallel with his academic career. He has 22 Years Professional Experience in Structural Engineering in the fields of Analysis and Design, Strengthening and Rehabilitation, Repair, Research and Studies, Quality Control, Specs and Standards, Quantity Surveying, and Cost Estimation.



Experience in Academic and Professional Engineering Fields

Dr Mohamed started his academic career as a teaching assistant at the Str. Eng. Dept., EL-Mansoura University, Egypt. He was promoted to Assistant Lecturer, Assistant Professor then Associate Professor at the same University. As a part of his academic work, Dr Mohamed taught the Courses of Design of R.C Structures, Theory of Structures and Finite Element Analysis, at the structural Engineering Departments of EL-Mansoura University, Egypt and Omar AL-Mokhtar, Libya. He is the author for two text books, three research reports and 13 research papers in the field of Structural Engineering. Dr Mohamed was a Guide for a number of M.Sc. and PhD students in the field of structural engineering in the period between 1997 till 2006. As a professional structural engineer, Dr Mohamed started in 1987 as a part-time structural engineer with prestigious consultants and within few years he was posted as the chief structural engineer. Dr Mohamed was appointed as the Consultant for two Egyptian Governorates in Egypt in addition to some Construction Companies. He was the Head of the Structural Eng. Department at Al-Nahar Consulting Bureau, Libya for two years. In 2006, Dr Mohamed came to Kuwait as the Head of the Structural Engineering Department at Kuwait Technical Consulting Bureau (KTCB).

General Activities and Professional Registration/Affiliations

- Member of the Egyptian Engineers Syndicate
- Member of the Kuwait Society of Engineers
- Member of the American Concrete Institute, Kuwait Chapter
- Member of the Scientific Association, Faculty of Eng., EL-Mansoura University, Egypt.
- Consultant for the Design of RC Structures, Egyptian Engineers Syndicate.
- Consultant for the Structural Design, Kuwait Society of Engineers.
- Authorized from Kuwait Municipality to Sign Structural Drawings.

Family

Dr Mohamed is married and has three children, Ahmed, Omar and Salma.

Hobbies

Dr Mohamed is a reader in various fields. Internet and computer activities are the most exciting hobbies for him.

TECHNICAL ACTIVITIES

Seminar in

"Evaluation of Comprehensive Strength of Drilled Concrete Core"

The Department of Civil Engineering of Kuwait University (KU) co-sponsored with ACI-KC a seminar entitled "Evaluation of Compressive Strength of Drilled Concrete Cores." The presenter was ACI-KC director and past president, Khaldoun Rahal, Professor of Civil Engineering at KU.

Highlighted were the concept of concrete strength and current provisions for acceptance of core results in the ACI code and the background of the development of these criteria. The why core results are invariably lower than standard cylinder and cube samples, and how the results are affected by factors such as the direction of coring, the size of members where the cores are drilled from, the type of cement and aggregate, the age of concrete, the concrete strength, the presence of reinforcing bars in the cores, and the core size and its height to diameter ratio were also tackled during the seminar. As well, the lecture also focused on the construction practices and why the cores drilled from concrete produced in Kuwait fail in meeting the requirements.





A question and answer forum followed the lecture.

The activity was held on February 14, 2009 at the Kuwait Society of Engineers, and was attended by more than fifty persons, the majority, being members of the Chapter.



TECHNICAL ACTIVITIES

ACI-KC endorses the Fifth International Health, Safety, Environment and Loss Prevention Scientific Conference and Exhibition

A three-days conference and exhibition was held at Radisson SAS Hotel from March 17-19, 2009. The affair was aimed at encouraging continuous education and promoting dissemination of information via scientific conferences along with supporting professional engineering societies.

Meanwhile, the ACI-KC did not only endorse the holding of the affair, but also participated by having its own booth containing publications and brochures along with a presentation introducing the chapter and showing its activities and its active promotional campaign in educating people and enhancing their awareness toward improving the country's concrete industry.

ACI-KC was represented by the chapter's vice president, **Ms. Hayfa Al-Mudhaf** in the opening ceremonies.

The American Society of Safety Engineers was the organizer of this affair. Pictures attest to the success of the activity.





Technical Activities

Diwanya, Open discussion

Already becoming a tradition to the ACI-KC, a concrete forum was held on Sunday, November 30, 2008.

Better known as *diwaniya* in Kuwait, this is a venue for socialization among people who love to gather together and discuss varied topics. *Diwaniya* for ACI-KC members means having to brainstorm and draw ideas and insights on a subject related to concrete in an open, informal and friendly environment.

The topic for discussion harbored on "New trends and Modern Innovations in Concrete Admixtures." A group of 30 engineers of different disciplines from the academe, research, contracting, site, specification and material specialization pooled together to discuss on the performance of migrating admixtures such as the corrosion inhibitors

along with their dosages, types, drawbacks, effectiveness and experiences. Self-healing admixtures, such as the crystalline forming admixtures were also deliberated on, knowing that the applications of these materials have been found to be very limited in Kuwait. Also discussed were internal curing admixtures and disadvantages of some types of admixtures. The idea of modifying the common definition of admixtures to include coatings and migrating materials, as long as they modify the concrete behavior and properties, was also given priority in the discussion. Alongside, experiences in other countries were also addressed and compared to the Kuwaiti experience.

The one-and a half-hour *Diwaniya* was followed by a dinner.

The *Diwaniya* was held in the (KSE) premises.



American Concrete Institute

Chapter Activities Award

Dr. Moetaz El-Hawary receive's award



Dr. Moetaz El-Hawary receiving the award from Luis Garcia, ACI president



Dr. Moetaz El-Hawary, a past president of the ACI Kuwait Chapter and a research scientist at the Kuwait Institute for Scientific Research has been elected to receive the American Concrete Institute Chapter Activities Award. This international award is given to individuals who have made an outstanding contribution in leadership and administration or in organizing or conducting chapter activities.

Dr. Moetaz El-Hawary has great contributions to the ACI Kuwait Chapter and to the concrete industry in Kuwait. He has been the chairperson for the technical committee for many years where he arranged and submitted a large number of technical seminars and was always ready to help in solving technical problems facing members. He published many articles in the chapter's Newsletter. Four technical guides entitled, were published by the chapter as guidelines to local engineers, Dr Moetaz has participated in the preparation of all the four technical guides and chaired two of their sub-committees. He served in the board of directors as a director, vice president, president. He participated as a member of both the organizing and the scientific committees of the First ACI-KC international conference entitled "Concreting and high performance concrete

in hot weather". He also was an editor of the proceedings, chaired a session and presented a paper in that conference. Dr. Moetaz has represented the chapter in the ACI roundtable meetings that was held in Mumbai- India in December 2004, in Bangkok-Thailand in December 2005 and in Athens- Greece in October 2007. More recently, he arranged and chaired the first ACI regional roundtable meeting held in Kuwait in March 2007. He also chaired the scientific committee, participated in the organizing committee, chaired a session, presented a paper and was a proceedings editor of the Second ACI-KC International Conference, entitled "Design and Sustainability of Structural Concrete in the Middle East with Emphasis on High-Rise Buildings". The conference was held during March 2007. Dr. Moetaz has participated in research work and university teaching that has positive impact on the concrete industry in Kuwait. Dr. Moetaz always participates in social activities and has good relations with ACI-KC members.

Dr. Moetaz has received the award during the ACI convention that was held in San Antonio, Texas in March 2009. He also attended many technical committees' meetings including the durability, the recycling and the sustainability, in which he is a member, committees along with attending many seminars and presentations. Dr. Moetaz has also met with representatives from many regional ACI chapters to arrange for possible joint activities. It is worth mentioning that attending the ACI convention by a chapter's board member is recognized by ACI as achievement in the chapter evaluation. The received award is also considered as recognition by ACI of the great efforts exerted by the ACI Kuwait board members to promote their chapter and grantee its continuing success.

SOCIAL ACTIVITIES

Site visit at Al-Hamra Tower

A delegation of 40 ACI-KC members were toured and escorted at the construction site of Kuwait's tallest building in Shuwaikh. Called the Al-Hamra Tower, it is a skyscraper designed by Skidmore Owings & Merrill, and is envisioned to be completed by 2010, measured at a height of 412 m or equivalent to 1,350 ft. Once completed, it will earn the coveted recognition as the tallest tower in the world.

The tower itself is being constructed on an 18,000-m² site connected to a five-story retail mall which totals 23,000 m² of retail space. The mall will include an integrated 10-screen IMAX theater complex and an 11-story car park. Meant for both entertainment and commercial purposes, the Al-Hamra Tower will also include on a 98,000-m² space, over 70 floors for offices, a rooftop restaurant, and a spa.



As of the date of the visit, the construction of the tower had reached to forty- three floors. The eleven-story car park is currently four floors over ground, while four floors of the shopping center have already been completed.

Representatives from Al-Hamra Real Estate Company and the contractor received the ACI-KC group, and gave them an overview presentation of the project.

The tower's official website is www.alhamra.com.kw



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SOCIAL A

Annual dinner

The American Concrete Institute-Kuwait Chapter (ACI-KC's) annual dinner was graced by its members and distinguished guests and friends. Organized by its Social Committee, the event opened with a welcome message from the committee's chairperson herself, Ms. Dana Drovioaba. Followed by a speech from Dr. Hasan Kamal, ACI-KC president, the attendees were informed of the organization's activities for the year. Mr. Elie Bouchrouche, business manager of (SODAMCO), spoke in behalf of the company.

A special feature of the evening's activity was a raffle draw. Five winners were awarded KD20 vouchers each.

The event wrapped up with words of gratitude from Ms. Drovioaba and a warm wish for a more productive year ahead for the organization and its members.

The annual dinner, co-sponsored by SODAMCO, Kuwait was held on the 12th of December 2008 at Six Palms Hall, Marina Hotel.



CTIVITIES





Kuwait Chapter

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Kuwait Chapter

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SOCIAL A

Aziz Block Factory Field Visit

The first month of 2009 culminated with an organized visit to Aziz Block factory by the members of the ACI-KC social committee. The visit was prompted primarily by their special interest on the processes in producing varied types of blocks.

The visiting group was presented with a brief introduction about the factory and explanation on the processes and activities involved in the production of blocks. Highlighting the visit was a guided tour by the general manager, Mr. Mark Holmes who was more than enthusiastic to respond to the questions asked by the group. The tours was organized by ACI-KC Social Committee.

CTIVITIES



1:26



Social Activities

Al-Tijaria Tower Field visit

The Social Committee of the ACI-KC organized a field visit to the would be one of the famous towers in Kuwait called the Al-Tijaria Tower. Located at Al-Sour road, overlooking Al Shaheed Garden, the property outline is polygon, tapered toward the north. It measures 103 m in length and varies between 32 to 64 m in width, with a total area of about 4,300 m², and a built-up area of about 63,400 m² of which about 33,400 m² are rentable.

Also known as the Kuwait Trade Center (KTC), it is a special tower building that stands uniquely in terms of its architecture and the services and utilities it will be offering to the public. Excellently designed, it will become one of those high-rise buildings in the country.

The KTC is intended to be a landmark in the business heart of Kuwait city, rising to about 218.2 m in the city sky, a 42-storey twist tower, of composite concrete, of a structural steel main structure, clad in custom-made glazed curtain walls and topped with a 13-storey glazed metal crown.



The lower part is a podium, of 4 levels of retail shops, in addition to a health club, a swimming pool and a leisure deck on top of the podium.

The building rests on continuous solid reinforced concrete raft, 270-cm thick as the tower base, and 80-cm to 120-cm thick under other areas. The main structure of the tower is constructed with reinforced concrete core walls and composite structural steel/reinforced concrete columns. Additionally, the typical tower flooring is constructed with structural steel trusses and beams topped with concrete in the office area, and reinforced concrete beam/slab structure.

For its main features, it prides itself of two fancy panoramic elevators which will travel at 6 m/s, overlooking the Gulf panorama through a full-height glazed curtain wall. A great part of its body is covered with unitized curtain wall forming the outer skin of the areas allotted for offices. The tower is also served by 6 passenger elevators that travel at 6 m/s, equipped with multimedia screens, dispatch controlled, meeting at the superbly finished lift lobbies in every floor.

The Project is equipped with 3 more elevators in the podium levels, and advanced, well-finished six escalators for the shoppers' convenience. Equipped with state of the art technology in IP communication, security, control and audio-visual services, it will be connected to a parking area, across Al-Sour Street by a pedestrian overpass bridge at the first mezzanine level.

The electro-mechanical services are located in the two basements, some in the ground floor, mezzanine II and on its roof, as well as in floors 21 and 37.

Its architecture is polished in detail, and the materials, upgraded to create a unique style and an interior identity of quality and excellence.

Special equipment have been developed, custom designed to respond to the challenge imposed by the twist tower, in curtain walls' cleaning and maintenance.

The ACI-KC group were so impressed after having been toured around by no less than Mr. Waleed Barakat, the Project Manager who was kind enough, along with his team to guide and lead the visiting delegation. In addition to a guided tour, Dr. Mohammad Shalabi from Al-Jazera Consultants made a presentation on the Al-Tijaria Tower.

True enough, the learning generated from the visit can be counted as another memorable experience for the ACI-KC members.

The group conducted the site visit on the 23rd of March 2009.



Students Activi

Safety Conference

The International Fire, Safety Conference and Exhibition was inaugurated on the period between 17th- 19th March, 2009 in Salwa Hall- Radisson Sas Hotel in Al-Salmeyah. Several fire and safety officials from Gulf Co-operation Countries and from Kuwait state were gathered at the exhibition. The American Concrete Institute (Kuwait Chapter) was represented by the students chapter for the aim of explaining the different ways to minimize the risks associated with concrete manufacturing and to present the solutions to use safer concrete's constituents that can do a little or no harm for the environment during disposal.

ACI's various publications attendants who had the information related while the engineers their questions. presentation was ACI Kuwait and the last day, a held and all the awarded for exhibition.

were distributed to the chance to inquire about to concrete in general were glad to answer A slide slideshow presented about the student Chapter. On ceremony has been participants were participation in the



ties Committee

Open Day

The ACI open day took place on the 2nd of March, 2009 at the College of Engineering and Petroleum, as the day included many activities and competitions throughout the college and they were:

- The Rope Pulling Competition.
- The Concrete Mix. Contest
- The Bricks Design Contest.
- Dr's Vs. Students Competition.
- Distribution of files, notes and Brochures to the Engineering students.
- A movie presentation; under the title "A Story of Success- قصة نجاح", executed by the members of the ACI.

A ceremony has been held at the end of the open day as the sponsors of the event and the winners of all competitions were awarded.



The Bricks Design Contest.



The Concrete Mix. Contest.



The Rope Pulling Competition.



Dr's Vs. Students Competition.



Distribution of files, notes and Brochures to the Engineering students.



A movie presentation; under the title "A Story of Success- قصة نجاح", executed by the members of the ACI.

Students Activi

Open Day



ACI members at opening day



ACI members & Participants



ACI participants receiving the award



ties Committee

National Industries Company

Tour

A trip to the National Industries Company was organized By the ACI –Kuwait Student Chapter, on Jan, 3rd 2009. This company in particular has a great concrete mix quality. The students were introduced to the engineers who had explained the different constituents of concrete and the different stages of fresh concrete making. The engineers had distributed some necessary documents about concrete testing, specifications and its main types, while the students took a tour to get to know all different sites of the company from sand washing site, testing labs, mixing

to transporting concrete sites. During the tour, the students were given the chance to ask questions relating the concrete mix and the engineers were glad to answer their questions, which made the trip such a great opportunity to exchange information and a learning experience. As the trip was nearly end, the engineers thankfully rewarded the students with the company products as souvenirs and the students thanked them for their efforts and time put in this trip.





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MEMBERSHIP APPLICATION

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Corporate Title

Address

Telephone No.

Mobile/Pager No.

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Categories of Membership

Please check the category of membership you are applying for and provide the appropriate dues as described below:

- ☐ Organizational: KD 100/year ... (A firm, corporation, agency of government, society, etc.)
- ☐ Individual: KD 15/year ... (A person who is a member of ACI International)
- ☐ Affiliate: KD 15/year ... (A person who is not a member of ACI International)
- ☐ Student: KD 5/year ... (Full time student at an Educational Institution)

Member Profile Information (Please check only one box in each section)

- | | | |
|---|---|---|
| ☐ Officer, Top Management | ☐ Engineering Services | ☐ Testing Laboratory |
| ☐ Administrative, Operating Management | ☐ Contracting Services | ☐ Quality Control |
| ☐ Plant, Production & construction | ☐ Architectural Services | ☐ Research Services |
| ☐ Design Engineering Management | ☐ Management | ☐ Concrete Products |
| ☐ Architectural & Engineering Services | ☐ Design Engineer | ☐ Educator |
| ☐ Chemicals and Allied Products | ☐ Materials Engineer | ☐ Student |
| ☐ Construction Machinery & Equipment | ☐ Plant Engineer | ☐ Utility |
| ☐ Concrete Block & Brick | ☐ Research engineer | ☐ Architect |
| ☐ Ready-Mixed Concrete | ☐ Sale & Marketing | ☐ Government |
| ☐ Educational Institutions | ☐ Technical Specialist | ☐ Other (Please specify) |

Are you interested to join any ACI Chapter Committee? () YES () NO

Payment Method

Membership fees may be paid as follows:

- ☐ Cash ☐ Cheque (Payable to ACI-Kuwait Chapter)

Receipt No.

Cheque No.

- ☐ Money Transfer (Payable to ACI-Kuwait Chapter, Account No. 06655310 with The Gulf Bank)

Transaction No.

For ACI Kuwait Chapter use only.

Member No.

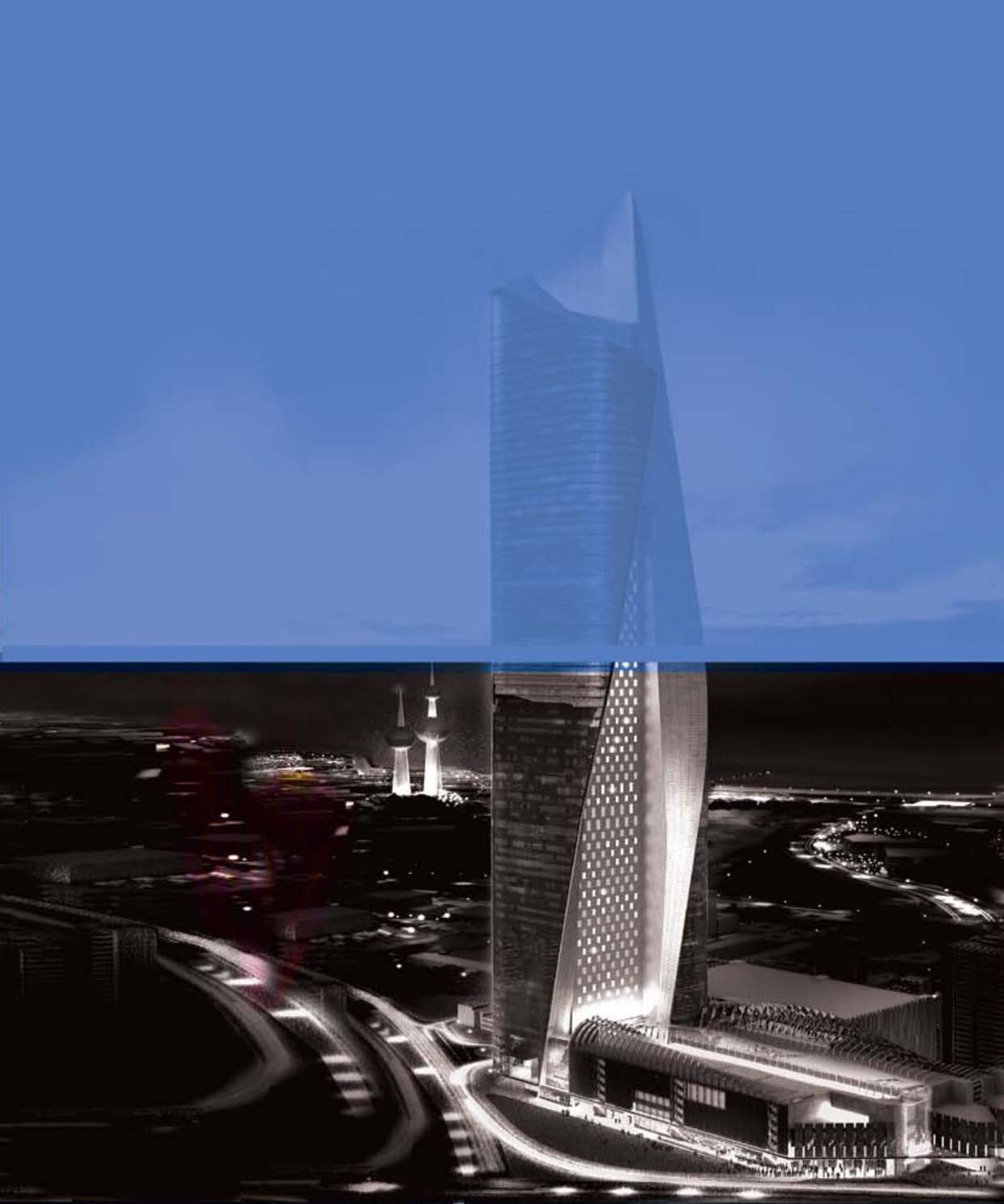
Date

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