



Concrete News

Kuwait Chapter

Volume 12 - No. 2

Dec., 2009 - Apr., 2010



Published by
American Concrete Institute
Kuwait Chapter
www.aci-kw.org
E-mail: info@aci-kw.org

CONCRETE NEWS

Concrete News is published periodically by ACI-Kuwait Chapter for information sharing, prolific exchange of technical knowledge among members, and enhancement of the Chapter's position within the engineering community.



From the Editor's Desk:

2



About ACI:

3



In the Spotlight:

5



TECHNICAL ACTIVITIES

6

Seminar in: High Performance Micro-silica Concrete for Marine and Harbour Applications



Seminar in: Sustainability and Low Carbon Concrete

8



Seminar in: Bringing Down the Citadels:
Challenges of Fit for purpose Concrete

10



SOCIAL ACTIVITIES

12

The Annual Dinner



Site Visit: Behbehani Steel Factory

16



Site Visit: First Ring Road Project

20



Xtreme concrete (International Conference)

24



ACI in Press

25



Local Connection with International Links



From the Editor's Desk

Dear ACI-KC members:

We lay before your eyes this issue of the ACI Kuwait Chapter's Newsletter hoping that it will gain your interest and approval. We at the publications committee as the editors for this Newsletter has given it our relentless effort and outmost dedication so that it comes out in an acceptable format and content that is worthy of representing a respectable technical and professional organisation.

This issue covers many of the chapters activities during the past few months that included many technical seminars, site visits and social events. As you have contributed in the success of these activities by your active participation we are urging you to join us in the publication committee to further enrich the content of our Newsletter with your active involvement in preparing its materials and enhancing its quality.

This can be done through submitting articles about your technical expertise or case studies you see appropriate to share with your co-members in the ACI Kuwait Chapter.

We also welcome your opinions about the contents of the Newsletter and any suggestion you can give to improve it.

Finally, I hope you will find this issue interesting to read and welcome your positive interaction with our editorial team.

Dr. Saud Al-Otaibi
Chief Editor
Chairperson of Publications Committee

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:

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.

Board of Directors 2008 - 2009

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

Membership Committees

Chairperson	Mohammed Harb Madbouly
Member	Dr. Saud Al-Otaibi
Member	Dr. Khaldoun Rahal
Member	Mr. Roumani
Member	Nezar Q. Nazzal

- Recruiting new member individuals and organizations.
- Issuing and renewing membership certificates.
- Publishing and updating chapter directory of membership.
- Facilitating communication among members and communicating to the Board of Directors and other established student chapter.

Technical Committees

Chairperson	Mr. Ali Al-Abdullah
Co-Chair	Dr. Moetaz El-Hawari
Member	Mr. A. W. Rumani
Member	Dr. Hasan Kamal
Member	Dr. Khaldoun Rahal
Member	Mr. Mohammed Harb
Member	Mr. Mr. Sushant A Chakravarty

- Identifying technical topics of interest to Chapter Members and recommendations to the Chapter for seminars, short courses and workshop on the topics.
- Reviewing and submitting to Chapter members of ACI International committee reports of relevance to Kuwait
- Reviewing proposed revision of ACI Standards and submitting reviewed comments to the Chapter's Board of Directors for submission to ACI International.
- Promoting local research and testing programs to resolve technical issues of importance for durable concrete construction in Kuwait.



Local Connection with International Links

Publication Committees

Chairperson Dr. Saud Al-Otaibi
Member Dr. Khaldoun Rahal
Member Mr. Abdulwabab Roumani

- Publishing the periodic newsletter to inform of Chapter activities and provide general information of use to Chapter membership.
- Printing and distributing copies of technical reports to Chapter members, as well as to interested individuals and concerned bodies.
- Preparing meeting reports and Chapter news for submission for publication in the Concrete International Magazine.

Social Committees

Chairperson Eng. Dana Drobiova

- Organizing annual recreational activities for Chapter members.
- Organizing representation of the Chapter at selected national events.
- Organizing field trips to major construction projects.

Nominating Committees

Chairperson Dr. Hasan Kamal
Member Mr. Anas Al-Kassam
Member Mr. Ubaid Arain
Member Mr. Tareq Shouaid
Member Mr. Hosam Al-Tahooq

- 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.

ACI - Key to success

Membership

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 2428348. Complete details on ACI Chapter affiliation will follow immediately.

Send the fax to ACI Kuwait Chapter

Name: _____

Company: _____

Fax or Address: _____

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

In the spotlight

Wafeeq M. Ezzedin

Personal Information:

- Date of birth: January 6th 1948
- Place of birth: Cairo – Egypt

Education:

Mr. Wafeeq completed his Civil Engineering degree (B.Sc.) at Cairo University – Egypt - in 1972 And then continued to work on enriching his professional education Through training courses and private studies. He achieved extensive studies in: Management, Marketing, Human Resources, Effectiveness, IT, Technology Transfer, Structural Repair, BOT & FIDIC.



Family :

Mr. Wafeeq M. Ezzedin is married and has two sons (Architects)

Approvals & Recognitions:

- Certified Consultant at Kuwait Society of Engineers No. 267
- Certified Structural Designer at Kuwait Municipality
- Approved Resident Engineer at Ministry of Public Works
- Certified Concrete Repair Expert

Functional Summary:

Mr. Wafeeq M. Ezzedin has almost forty years of professional experience in diversified engineering fields, management, structural design, technology transfer, low cost construction, value engineering & Green Building.

During his long career he always adopted new concepts and technologies and still introducing new materials and applications to construction industry.

- 2003 to Date C.T.O. Reputable Engineering Consultant Office – Kuwait
- 2002 to 2003 General Manager – Horse Alex – the largest Egyptian potable water and sewage treatment turnkey projects.
- 2000 to 2002 Projects Manager – National Gas BOT Natural Gas distribution network at Sharqayah – Egypt – 48000 consumers – 600 Kilometer pipe length.
- 1995 to 2000 Founder/Partner – www.midease.com – First Egyptian web presence company
- 1992 to 2001 Founder/Partner – Prosys International, Inc. - Technology Transfer from USA to Middle East.
- 1992 to 1994 Implementation Consultant - Benladen Group – Management Information Systems – KSA
- 1980 to Date Founder/Partner, Code Computer Company – the FIRST CAD service company in Kuwait
- 1980 to 1992 Structural Partner Center of Engineering Disciplines – Consulting Office – Kuwait
- 1978 to 1980 Structural Partner Kuwait Technical Consulting Office – Kuwait
- 1976 to 1978 Senior Structural Designer – National Housing Authority – Kuwait
- 1974 to 1976 Senior Structural Designer – Ministry of Defense – Kuwait
- 1972 to 1974 Design & Supervision Engineer – Saving & Credit Bank – Kuwait

Professional Memberships:

- Egyptian Syndicate of Engineers 1972
- Kuwait Society of Engineers 1975
- American Concrete Institute (ACI)
- American Imaging Association (AIA)
- American Businessmen of Jeddah (ABJ)
- Arab Management Association (AMA)
- Internet Society of Egypt (ISE)
- Electronic Commerce Committee (E2C)
- Egyptian Natural Gas Society

Patents & Publications:

- “RAWY” First Central Quality Water Filtration System (Patent)
- “Stamped Concrete” Quality Flooring System (Invention, Manufacturing & Application)
- “Water Saving Technologies” Waterless car cleaning product
- “Contamination of Under Ground Water in Kuwait” Published article

Hobbies:

Reading, Painting and Photography

TECHNICAL ACTIVITIES

Seminar:

High Performance Micro-silica Concrete for Marine and Harbour Applications



The Technical Committee of ACI-Kuwait Chapter in collaboration with Alghanim Specialties Company WLL organised and held a seminar under the above title. It was presented by Robert Lewis, the Technical Manager for Elkem Materials-Norway.

The Seminar was prompted with an opening statement by Eng. Mr. Khalifa Al-Fadhalah. In his statement Eng. Al-Fadhalah presented an abridged profile of Alghanim Specialties Company.

Dr. Moetaz El-Hawary gave a short overview of ACI Kuwait Chapter and its activities and introduced the Speaker Mr. Robert Lewis.

The speaker maintained that, the durability of the structure depends not only on the durability of the concrete, but also on all aspects of the design and the workmanship. Creation of mixes containing micro-silica to various proportions and the use of various blends of different types of cement can result in the desired overall concrete quality.

If the design and workmanship of micro-silica concrete are handled properly, the desired long term durability and service life can be achieved with: Dense Microstructure, Low Permeability, Improved Resistance to Chloride Ion Penetration, Increased Electrical Resistivity, Improved

Resistance to: Chemical Attack, Abrasion and Erosion, Frost and Scaling, Alkali-Aggregate Reactions, Sulfate Attack and Steel Corrosion Resistance.

At the end of the seminar there was a general discussion during which Mr. Lewis responded to various questions.

The Seminar was held at Alghanim Specialties Company auditorium Shuwaikh on Sunday 7th Feb. 2010.



TECHNICAL

Seminar: Sustainability and Low Carbon Concrete



As part of ongoing activities, The Technical Committee of the ACI Kuwait Chapter organized and conducted a SAMINAR under the title of "Sustainability and Low Carbon Concrete"

Prof. Moetaz El-Hawary addressed the issue of energy efficient buildings and the embodied energy of buildings which accounts for 16% of the total carbon footprint over its service life..

In his lecture Prof. El-Hawary stressed the necessity of proper design, concrete selection and that of building materials which are essential energy

conservation tools to reduce this percentage. He added that, Cement manufacturing is one of the most energy consuming industries. Each tone of cement clinker releases 0.9 tons of CO₂.

In this presentation, different methods and techniques that may be adapted to reduce the embodied energy percentage - and hence carbon emission were discussed.

The event took place on Sunday, 21st February 2010 at Kuwait Society of Engineers

ACTIVITIES



TECHNICAL ACTIVITIES

SEMINAR

Bringing Down the Citadels: Challenges of Fit for purpose Concrete



The Technical Committee of the ACI-Kuwait Chapter invited Professor Ravindra Dhir OBE to share some of his vast and varied experience in the world of concrete industry and technology. In his presentation, Professor Dhir maintains the view that, the citadels of concrete specifications and rigidly applied in their traditional form inhibits innovation and impose the danger of

hindering the required progress, by necessity, of concrete industry as the world's premier construction material. For example, until the beginning of this century, there has not been a significant movement towards the adoption, in standards for specifying concrete, of composite cements using additions (cement combinations) and recycled and secondary aggregates (including construction demolition)

in structural concrete. He argues strongly a case for breaking out of this straitjacket and instead adopting a responsible shift towards performance-based approach to concrete design and construction. This will allow the much needed flexibility in concrete design and enable concrete to respond to the demands of changing world, such as, (i) climate change, (ii) carbon footprint, (iii) economic pressures, (iv) client pressures, (v) increasing demands from building insurance and (vi) high performance concrete requirements.

Professor Dhir stresses that to ensure that concrete emerges as the sustainable solution beneficial to construction world over, will require a well focused, coordinated and visionary approach across all communities within the concrete industry.

The Seminar was held at the Kuwait Society of Engineers on Tuesday 22nd December, 2009.



Social Activities

The 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 Drobiova. Followed by a speech from Mrs. Hayfaa Al-Mudhaf, ACI-KC president, the attendees were informed of the organization's activities for the year.

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. Drobiova and a warm wish for a more productive year ahead for the organization and its members.

The annual dinner was held on the 15th of December 2009 at Costa Del Sol Hotel.









Kuwait
Chapter

Local Connection with International Links

SOCIAL ACTIVITIES

Behbehani

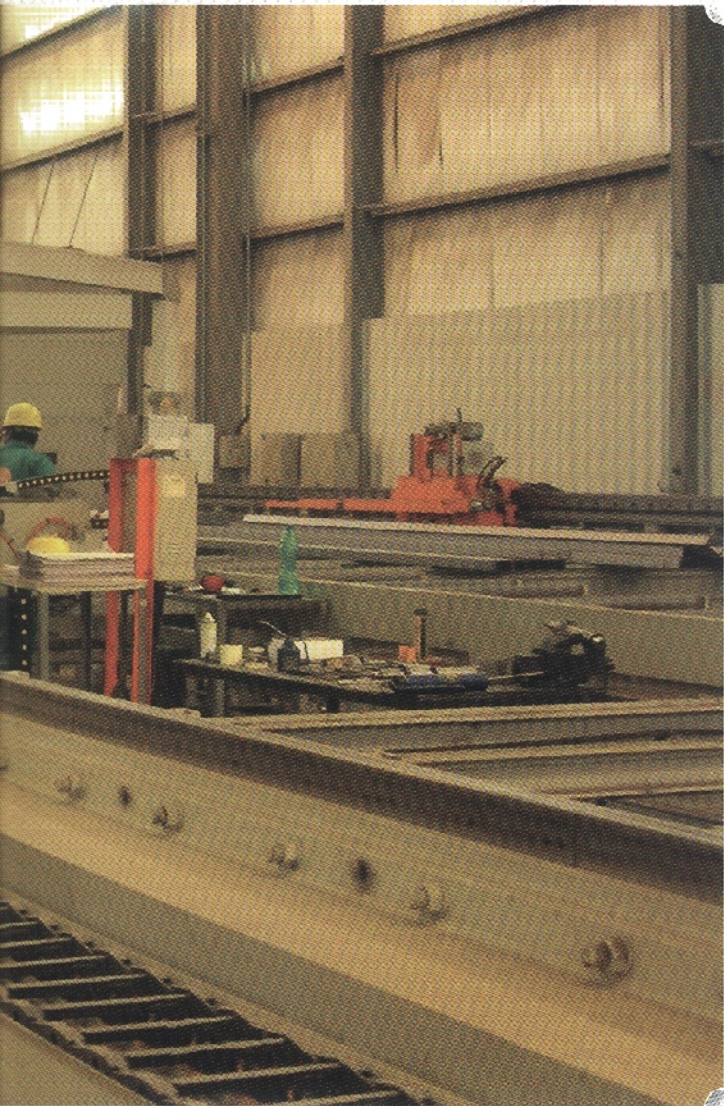
Steel Factory

Site visit

The social committee of the American Concrete Institute – Kuwait Chapter organized a visit to Behbehani Steel Factory on Saturday 13th, March, 2010. The factory team received the ACI-KC engineers with a warm welcome and Eng. Ihab EL-Alami, Eng. Nazih Abdul Rahman, Eng. Natarajan Ramakrishnan and Eng. Pearson Daniel have given talks about the factory's history, and explained the different processes used to produce a high quality product. Then, the ACI-KC group visited the plant and saw all the processes, and machines that are used as explained earlier during the talk.

At the end, we at the ACI-KC would like to take this opportunity to thank Behbehani Steel Factory for all their efforts that made this visit a successful one.







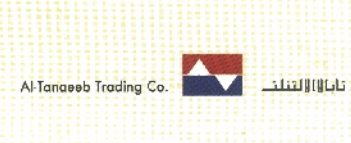
Benefactors Sponsors..... Friends.....

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Your support and your willingness to share knowledge are highly appreciated



Benefactors Sponsors..... Friends.....



FIRST RING ROAD SITE VISIT



The Social Committee of ACI-Kuwait Chapter arranged a visit to the First Ring Road site on Saturday 13th February, 2010. On behalf of Parsons and Brinckerhoff, Mr. Khaled Qateenah, has welcomed the ACI members and talked about the project, its advantages, and main components. The brief talk was

followed by a guided tour of the site, where the engineers were shown the components of the bridges. During the visit, the members were able to discuss all the technical issues related to the project. At the end, we take the opportunity to thank Parsons for all their efforts to make this visit.







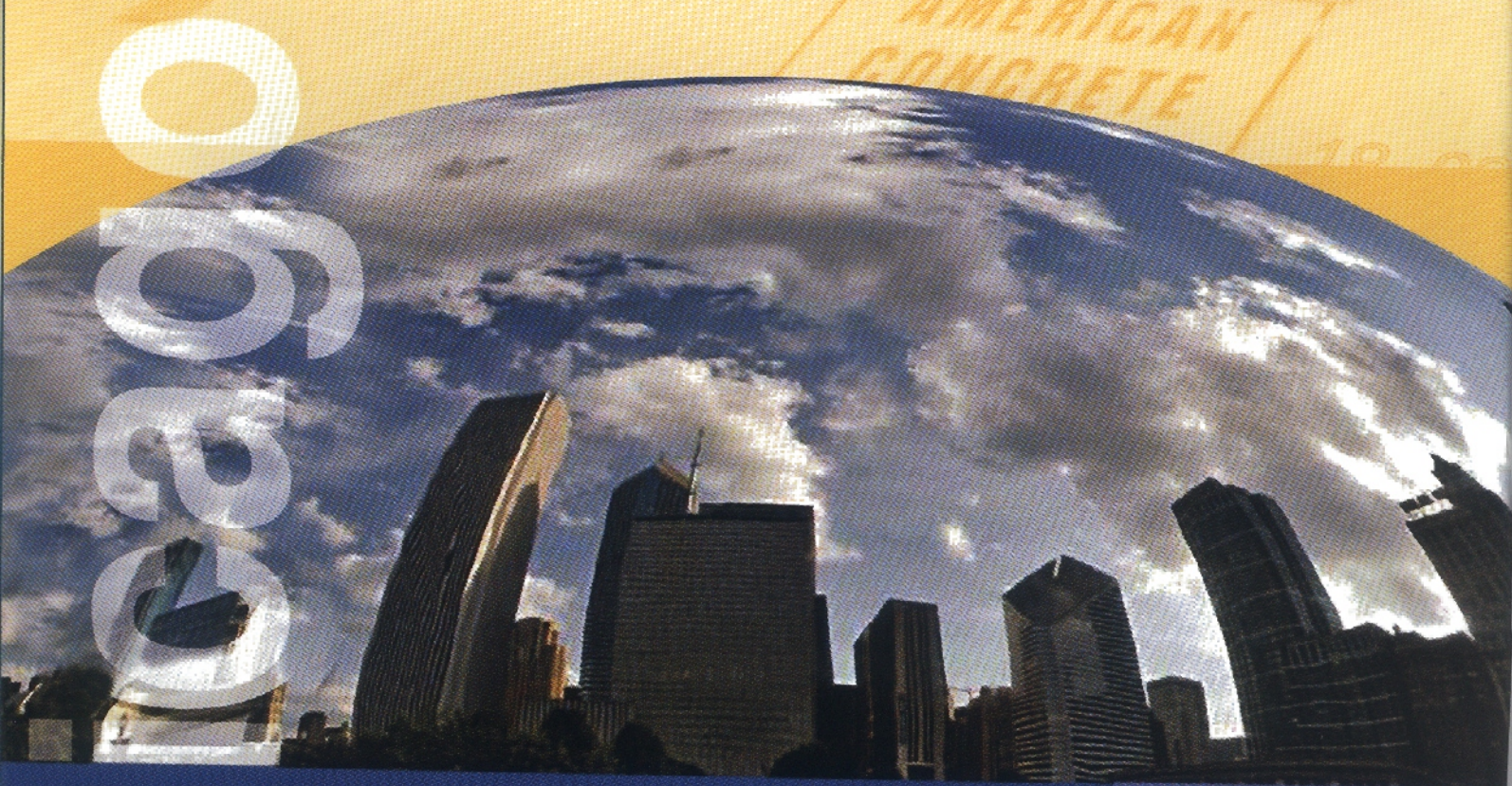


Kuwait Chapter Participation *in*

Local Connection with International Links

ACI Spring 2010 Convention

Dr. Hasan Kamal, ACI-KC Past president, attend the ACI Spring 2010 Convention held in Chicago from 21-25 March 2010. The theme for the convention was "Extreme Concrete". The convention program included many activities such as seminars related to building materials and technologies and concrete sustainability and durability and means of enhancing its quality. Also addressing the environmental impact of concrete industry.



**ACI Spring 2010
Convention Preview**

Chicago • Chicago, Illinois March 21-25, 2010







ACI-INTERNATIONAL

The American Concrete Institute (ACI) is a nonprofit international organization that promotes improved technology, technical competence, design and construction related to concrete for the benefit of society.

OBJECTIVES OF THE ACI KUWAIT CHAPTER

The primary objective of the chapter is to further the chartered objective for which the American Concrete Institute was organized i.e., to further education and technical practice, scientific investigation and research by organizing the efforts of its members for a nonprofit, public service in gathering, correlating, and disseminating information for the improvement of the design, construction, manufacture, use and maintenance of concrete products and structures.

HOW THE CHAPTER FUNCTIONS

The ACI Kuwait Chapter is approved and authorized by the Board of Directors of ACI International to provide the means of furthering the chartered objectives of the Institute in the State of Kuwait. The chapter is managed by a local Board of Directors whose members constitute the Chapter officers. Chapter membership is open to all individuals and organizations with avid interest in any aspect of concrete technology. The chapter is operated through its committees which are made up of volunteers from the membership. Programs are developed by the committees to meet the needs of the Chapter members. The Chapter may hold several meetings each year and engage in activities that may include the following:

- Sponsoring educational seminars, short courses or workshops.
- Holding or sponsoring certification training courses and examinations.
- Publishing technical information and newsletters.
- Conducting awards, programs for local concrete structures.
- Holding of special social events.

CHAPTER MEMBERS' Activities

Attendance to seminars, short courses and workshops organized by the Chapter at reduced fees is encouraged. Free use of ACI publications, which are supplied to the Chapter by ACI International and are kept in the Chapter library offered. A forum for members to interact with colleagues and identify potential sources for cooperation in addressing specific technical problems is open to all chapter members.

HOW TO JOIN THE ACI - KUWAIT CHAPTER

To become a member of the Kuwait Chapter, please complete the attached membership application form. Different categories of membership are available. You will receive a copy of the Chapter Bylaws upon becoming a member. The work of the ACI Kuwait Chapter is a mutual effort, and success depends upon your active participation.

MEMBERSHIP APPLICATION

PHOTO

First Name

Middle Name

Surname

الاسم الأول

الاسم الثاني

اللقب

Employer/Organization

Corporate Title

Address

Telephone No.

Mobile/Pager No.

Fax No.

Email

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

Detailed Information Please Contact:

ACI Kuwait Chapter-P.O. Box 12608, Shamiah 71657

Tel: 2449071, 2448975 Ext: 312, Fax: 2428148, Email: info@aci-kuwait.org

www.aci-kuwait.org



*“Life holds so many single blessing each
day bringing its own individual wonder ”*

Our thanks to KISR management



CONCRETE NEWS

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