## aci Concrete News

Kuwait Chapter

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## 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.



## Local Connection with International Link Concrete te News.

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Dr. Moetas El Hawary

## From the President's Desk

**Mandatory Certification!** 

Do you know that that ACI is the current building code in Kuwait. This adaption was issued by a decree signed by the minister of trade and industry in September 2004 and then published in the official paper. The decree contained two articles; the first stated "adoption of the American Concrete Code Design -Building Code Requirements for Structural Concrete (ACI 318-02) and commentary -as a united Kuwaiti concrete code including the amendments special for the State of Kuwait, working with the Kuwait code must be at the same time with the American codes or any updates". The second article stated that this will be valid after two years from the date of publishing. That means, it is currently obligatory to follow the ACI 318 and its updates in Kuwait.

ACI 318-08, section 5.6.1 states "Qualified field testing technicians shall perform tests on fresh concrete at the job site, prepare specimens required for curing under field conditions, prepare specimens required for testing in the laboratory and record the temperature of the fresh concrete when preparing specimens for strength tests. Qualified laboratory technicians shall perform all required laboratory tests". This section is explained in the commentary R5.6.1 as "Laboratory and field technicians can establish qualifications by becoming certified through certification programs. Field technicians in charge of sampling concrete; testing for slump, unit weight, yield, air content, and temperature; and making and curing test specimens should be certified in accordance with the requirements of ACI concrete Field Testing Technician — Grade 1 Certification Program or an equivalent program. Concrete testing laboratory personnel should be certified in accordance with the requirements of ACI concrete Laboratory Testing Technician or Concrete Strength Testing Technician". The same meaning is also reported in ACI 350.

This means that according to Kuwaiti laws, testing fresh concrete and preparation of samples should be performed by or under the supervision of ACI certified personnel.

In this regard, ACI Kuwait Chapter is currently preparing ACI concrete Field Testing Technician – Grade 1 Certification Program. This program is offered for engineers and it is a prerequisite for the ACI Concrete Construction Inspector certification. ACI-KC has prepared MOU with ACTS, the agent for ACI international in the region to offer a series of certification programs starting with the Grade I Field Testing Technician course. The first training and testing program will be offered in early 2011. All ACI-KC individual and organizational members will be notified of the details. You are all invited to attend and send personnel. Remember, it is mandatory.



#### 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 eleven 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 2009 - 2010

President:

Vice President:

Past President 1:

Past President 2:

Past President 3:

Director:

Director: Director:

Director: Director:

Director:

Dr. Moetaz El-Hawary

Mr. Ali Al-Abdullah

Ms. Hayfaa AL-Mudhaf

Dr. Hasan Kamal

Mr. Ahmad A. Al-Jihavem

Mr. Abdul Wahab Rumani

Mr. Mansoor Rao

Dr. Khaldoun Rahal

Dr. Saud Al-Otaibi

Mr. Mohammad Harb Madbouly

Mr. Bader Al-Salman

#### Membership Committee

Chairperson

Mr. Mohammed Harb Madbouly

Member

Dr. Saud Al-Otaibi

Member

Dr. Khaldoun Rahal

Member

Mr. A.W. Rumani

Member

Mr. Naser O. Alenezi

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 Committee

Chairperson

Mr. Ali Al-Abdullah

Member

Dr. Khaldoun Rahal

Member

Bader Al-Salman

Member

Mr. A. W. Rumani

Member

Mr. Mohammad Harb Madbouly

Member

Dr. Hasan Kamal

Member

Mr. Abdul Hamid Al-Qallaf

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.



**Publication Committee** 

Chairperson

Dr. Saud Al-Otaibi

Member

Mr. A. W. Rumani

Member

Mr. Nezar Nazzal

Member

Mr. Yousef A. Ben Awad

- Publishing the periodic newsletter to inform the 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 Committee

Chairperson

Eng. Dana Drobiova

Member

Eng. Mansoor Rao

Member

Eng. Nezar Nazzal

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

#### Nominating Committee

Chairperson

Ms. Hafaa Al-Mudhaf

Member

Mr. Ubaid Arain

Member

Mr. Anas Al-Khassam

Member

Mr. Tareq Shoaib

Member

Mr. Waleed Al-Jasem

 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					

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 22428148. Complete details on ACI Chapter affiliation will follow immediately.

Membership

Send the fax to ACI Kuwait Chapter

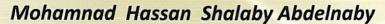
Company:

ACI Kuwait Chapter Name:

Fax or Address:

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

# SPOUL É



#### Personal Information:

Date of Birth : October 15, 1964 Place of Birth : Alexandria - Egypt Nationality : Egyptian.

#### Family:

Dr. Mohamnad Shalaby is married and has two Children

#### Hobby:

Reading

#### **Academic Background:**

Degree	Institute Title	Date
B. Sc.	Faculty of Engineering, Alexandria University, Egypt Civil Engineering	1986
M. Sc.	Nonlinear Dynamic Analysis of Structures	1990
Ph. D.	Wind Structure Interaction in Egypt	1997
Consultant Ce	rtificate Kuwaiti Society of Engineers	

#### **Teaching, Research and Education Experience:**

October 97 until now : Lecturer, Structural Engineering Department, Faculty of Engineering, Alexandria.

1990 - 1997 : Teaching Assistant, Structural Engineering Department, Faculty of Engineering, Alexandria.

1986 - 1990 : Instructor, Structural Engineering Department, Faculty of Engineering, Alexandria.

January 2003 till now : Head of Structural Dept., Aljazeera Consultants.

October 2001-June 02 : Visiting professor in George Washington University, Washington, USA

January 2000 till 2001 : Design engineer in RSCO (My own office).

March 97 until 2000 : Design engineer in African Consulting Office (ACO). 1986 - 1994 : Design engineer in Consulting Civil Engineers (EKR).

#### **Publication:**

Dr. Shalaby have many publications, the most recent one is

"Increasing Structural Safety Of Long-Span Bridges By Active Control "15th ASCE Engineering Mechanics Division Conference Columbia University in the City of New York, June 2-5th, 2002

#### **Projects:**

Contributed in many distinguished projects in Egypt, Saudi Arabia and Kuwait, for example and not exhaustively, The following are some of the projects in Kuwait:

KUFPEC Office Building, Mixed Use Complex, KBCC Head Quarter, KOTC Office Building, Al Mal Office Building, Kuwait Trade Center, Capital Tower, AL DAR HQ and Booster Station 160



## Annual Award



Ms. Hayfaa Al Mudhaf

eeping up with the American Concrete Institute, Kuwait Chapter, tradition, the Annual Award Banquet was held on 25 May 2010. The event was held under the patronage of His Excellency Sheikh Ahmad Fahad Al-Ahmad Al-Sabah, Deputy Prime Minister for Economic Affairs, Minister of State for Development Affairs, Minister of State for Housing Affairs represented by Eng. Abdul Aziz Al- Kulaib, Undersecretary Ministry of Public Works at Movenpick Hotel - The Convention Center - Free Zone and was attended by a large number of colleagues from various disciplines of the building industry along with the ACI members. The award of achievement, presented by ACI-KC to an individual to recognize outstanding contribution to the Engineering Community in Kuwait, was given to Engr. Mousa Husain Al-Sarraf in recognition of his





## Ceremony



Award of Excellence presented to a local outstanding project, was given to Al-Tijaria Tower project for being An Innovative Structural System and An Iconic Architectural Landmark in Kuwait. The award was given to COMMERCIAL REAL ESTATE Co.; the Owner and Developer of the project, Dar Al-Jazera Consultants in association with NORR Group, Canada-Dubai; the Architect and Engineer and Sayed Hamid Behbehani and Sons Co., the General Contractor, National Industries Co. and Bubiyan Ready-mix Co.; The Concrete Suppliers, KEO International Consultants; The Construction Manager. The event was followed by a social and dinner party.





## Award of Achieve

Leadership, and Pledged Dedication to Civic Development.



Kuwait Chapter present the Award of Achievement to an individual in recognition of outstanding in the field of concrete in the state of Kuwait.

This year 2009-2010 Engr. Mousa Husain Al-Sarraf was selected as the award's recipient because of his Leadership, and Pledged Dedication to Civic Development.

Engr. Mousa Husain Al-Sarraf Born in 1947 in the Sharq area, Kuwait and raised in the same neighborhood Studied and graduated from Shuweikh High School in 1967, Received a scholarship from the government to study Engineering in the U.S.A. Attended transition year in W. T. Woodson High School in Fairfax, Virginia and graduated in 1968, Attended Toledo University graduated in 1972 with Bachelor of Science in Civil Engineering

## ment 2009 -2010





- 1972 1975 Junior Engineer
- 1975 1985 Head of the Urban Planning
   Department and the Traffic Department
- 1985 1990 Director of the Planning Department (Urban Planning, Traffic Studies, Roads)
   1991 – 1994 Deputy Chief Engineer for Construction, Planning and Surveying
- 1994 1997 Chief Engineer for Project Development and Construction
- 1997 2000 Deputy General Director for Project Development (Construction – Project Develop. – Environmental Affairs – Safety)
- 2000 2006 Advisor to Head of Municipal Council for Technical Affairs
- 2007 2008 Minister of Public Works and State Minister for Municipal Affairs
- 2009 Present Member of the Municipal Council



#### **Al- Tijaria Tower**

#### An Innovative Structural System and An Iconic Architectural Landmark in Kuwait

ACI – Kuwait Chapter presents the award of excellence to a project in recognition of outstanding work in concrete construction and practices within Kuwait.

#### The Award of Excellence for the year 2009-2010 was presented to Al-Tijaria Tower Project .

Al-Tijaria presents a beautiful combination of an iconic shape and a structural system to match it.

We would like to mention here some of the Tower information Stands 218 m above ground level

Two Basements (-15 meters)

Podium (Ground, two Mezzanine floors and roof): 5 meters high each floor

36 Office Floors

Crown (12-story high)

Central core 21m in diameter to resist wind effects (critical) and earthquake effects

12 Conventional reinforced concrete columns and Composite columns on periphery

Twist is introduced in floors of tower to give its unique shape
Each floor is rotated 2<sup>o</sup> with respect to floor below
Floors are reinforced concrete slabs on structural steel beams
Steel beams were necessary to reduce their weight and deflections







## ce 2009-2010





#### Owner:

The Award co. recipient, are:

**Architect & Engineer** 

**General Contractor** 

**Concrete Suppliers** 

**Construction Manager** 

#### The Award was presented to:

#### **COMMERCIAL REAL ESTATE Company**

Dar Al-Jazera Consultants in association with NORR Group, Canada-Dubai

Sayed Hamid Behbehani and Sons Co.

National Industries Co. and Bubiyan Ready-mix Co.

**KEO International Consultants** 



### Technical Activ

#### Seminar on

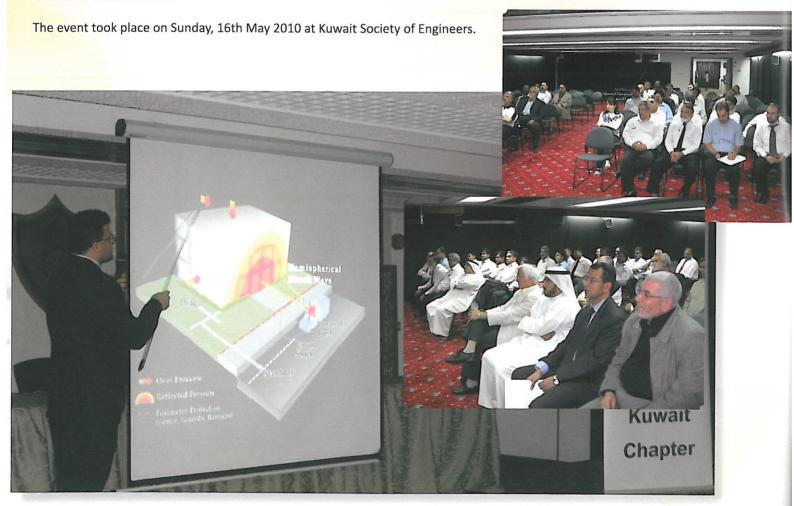
#### Design Aspects of Blast Proof Buildings in Petrochemical Industrial Areas



he Technical Committee of the ACI -Kuwait Chapter organized and conducted a seminar under the title of Design aspects of blast proof .buildings in petrochemical industrial areas

Dr. Mohammad Hassan Shalaby Chief Structural Engineer Al-Jazera Consultants addressed the process plants in the petrochemical industry handling hydrocarbons and other fuels that can produce accidental explosions. Although such instances may be very rare, they can be very severe resulting many casualties and big financial losses. In order to minimize these aspects, blast design criteria should be respected in the construction of new facilities. These criteria include architecture, structural and mechanical aspects.

This presentation focuses on some of the structural aspects of the design of buildings subjected to blasts from petrochemical explosions. The process includes quantifying the blast loads, setting the performance of the structure and designs the structure to withstand the blast loads.



ities

#### **Shear design in Reinforced Concrete:**

Recent Advances and Future Code Changes

By: Prof. Khaldoun N. Rahal, Department of Civil Engineering, Kuwait University



This seminar summarizes some of the major advancements and lessons learned about shear, and about the changes expected in the future issues of the ACI building code, which is commonly used in Kuwait.

on better modeling of the concrete and steel contributions to shear strength. Changes found their way to some national

The event took place on Sunday, 07 November 2010 at Kuwait Society of Engineers.

building codes and not to others.





Chapter Technical Activities with International Law Enternational Law Enternational

#### **Kuwait Cement, Concrete Conference & Exhibition**



he Kuwait Cement & Concrete Conference & Exhibition was held in Radison Blue hotel on the 8<sup>th</sup> and 9<sup>th</sup> of June 2010. ACI-KC was approached by the organizers, Promedia International, to participate as the Technical partner for this event. A technical committee consisting of Dr. Khaldoun Rahal, Dr. Saud Al-Otaibi and chaired by Dr. Moetaz El-Hawary, was formed. The committee was responsible for all scientific and technical aspects of the conference, including selecting the conference theme and topics, nominating the keynote speakers, preparing the call for papers, preparing the authors guidelines, receiving and reviewing abstracts, receiving and reviewing papers, preparing conference program along with all contacts with the speakers from outside Kuwait. The committee members also chaired all the conference technical sessions and were the editors for the conference proceedings.



#### Chapter Local Connection with International Lin

## Technical Activities

The technical committee members also presented four papers including one keynote presentation.

ACI-KC members were invited to attend the scientific sessions free of charge and were also offered 25% discount on conference registration fees. A large number of members took advantage of this offer and attended the conference. Many members also presented scientific papers in the conference.





The conference was held Under the patronage of H. E. Dr. Fadel Safar Ali Safar Minister of Public Works and State Minister of Municipal Affairs. During the opening ceremony, the ACI-KC speech was presented by Dr. Khaldoun Rahal.









## Chapter Local Connection With International Line Chapter With International Line Chapter With International Line Chapter With International Line Chapter Service Chapter Chapt

#### **Kuwait Cement, Concrete Conference & Exhibition**

ACI-KC also participated in the exhibition. Mr. Safwat Azmi was available in the ACI-KC booth to answer any question and to accept application form of new members.

ACI-KC was presented with a trophy from the organizers, in appreciation of the effort exerted to assure the success of this conference.





Kuwait
Chapter
Local Connection
with International Link

### 78<sup>th</sup> International Roundtable



Representatives (right to left) from Lebanon, Kuwait, Egypt, UAE, India, USA, China, USA and Singapore

Moetaz El-Hawary Represent Kuwait Chapter in the 78<sup>th</sup> International Roundtable In order to improve collaboration between different ACI chapters and between individual chapters and the ACI International. The ACI arranges international roundtable meetings on regular basis. The 78th international roundtable was held in Ritz Carlton hotel in Doha, Qatar on November 3-4, 2010. The meeting was attended by representatives from China, Egypt, Hellas (Greece), India, Iran, Kuwait, Lebanon, Pakistan, Qatar, Saudi Arabia, Singapore and UAE. From ACI International, the meeting was attended by Luke Snell (the chair of the international committee) and chaired by John Conn the ACI manger for certifications programs and chapters. The Kuwait chapter was represented by Dr. Moetaz El-Hawary, the president of ACI- Kuwait chapter. The meeting was started by a welcome note from the chair, followed by an overview, where chapters repre-

sentatives gave an overview of their chapters including the age of the chapter, size, reserves, activities, newsletters, award programs, directories, libraries and issues of importance to be discussed. The representatives then discussed ways to increase membership through increasing benefits provided to members. Importance of certifications and ways to promote and encourage certifications were discussed. It was suggested, by Kuwait chapter, to change the title of the Grade 1 program from Field Testing Technician to Field Testing Engineer as the course is geared toward engineers. Mr. Conn promised to discuss this issue with the certification committee. Issues such as students membership and working with other engineering and concrete organizations were also discussed. A whole session was devoted to improving chapters relationships and finding ways that the chapters can cooperate on programs of mutual interests.





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

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



















































محمديه بسمل تخريم فلتين في مجال الإنشاء والتعمير، حيث يتم المتيار مشاروخ متميز وفاز به هذا المام (برج التبارية) والعائدة ملكيته للشركة الاستخبارية التجارية

للشركة الاستخبارية التجارية المات التي العارية المات التي عملت به والتي ضميت استشاري المشروع ، مكتب الجزيرة، ومكتب استشاري عالمي بكندا قام بحمل التصاميم الأولى للمشروع والمقاول

التالية فقد تم الحيار الد موسى الصراف نظراً لعطاء في مجال الإنشاء والتعمير الكويت ومساهمته الكبيرة في

استُراتيجية اشراك القُطاع أل في مشاريع الدولة (B.O.T).

يقيع العفل السنوي التكريمي للمشروع المتعيد على مستوى دولة الكويت

المهد الامريكي للخرسانة - فرع الكويت

قام للعهد الأميركي للخرسانة - فرع ومكاتب ودور استشارية هندس الكويت العمل السنوي الكيريسي وإنشائية ومهندسين وإكاديمم للمشروع النميز على مستوى دولة وبلحثين وفنيين في قطاعات م الكويت ولتشخصية لها مساهمات التبناء الكفائلة اللقحصمة.

متعيزة في مجال البناء والإنشاء فيها. رعى الحفل الشيخ أحمد فهد الأحمد الجابر الصباح نائب رئيس

ووزيسرالسدولسة ليشيؤون التنمية ووزيسرالسدولية لشؤون الإسكان، وأناب

بالشويخ معشاركة عدد من وبلاء للهذا

وانشائية ومهندسين واكاديميين وباحثين وفنيين في قطاعات مواد البناء المختلفة التخصصة.

بناء المصنعة بمحصصة. وصرحت الهندسة هيفاء المضف نيسة المعهد بأن التكريم هو تقدير

للتميز والعطاء في دولة الكويت من النواحي الفنية والمهنية، هيت قام مجلس إدارة للعهد بوضع معايير

محددة للاختيار من بين الرسمين

وبيت للصف المجادرة الولى هي جائزة المميز للمشاريع التي تمنح تقديراً للأعمال المتميزة في مجال التصميم والإنشاء والتنفيذ للخرسانة على مستوى دولة الكويت

للجائزتين

بوبيان للخرسانة تحصل على تشهاده " المفنياز من المعهد الأميركي للخرسانة بن «النجارية العقارية» يحصل على جائزة النفيز للعشاليع الإنشاا

السبت 22 جمادي الأخرة 1431 هـ - 5 يونيو 2010 - السنة 39 - العدم 39 العدم 39

#### محلة

#### المعهد الأميركي للخرسانة يحتفي بمشروع متميز وشخصية متميزة





بناء على الإصالة في التصميم والإسعاع وجودة المنفيذ وحسن إجراءات تحسن الجودة واستشام المواد والإساليب للتطورة لشدمة الشروء بالإضافة الى رضا الماك اما بتصمون الحازة المائنة في جائزة الإنجاز التي تمنع لشخصية محلية تقديرا لتميزها و عطائتها محلية تقديرا لتميزها و عطائتها

المهني في مجال البناء والإنشاء وتطوير التكنولوجيا والخدمة الهنية في دولة الكويت

بالنزة التميز للمشار لإنشائية في دولة الْكوبت لله ارتسانية في توليد المعربية 2009 لمشروع مدنى برج التجارية. فقد رأى المحكمون أن البرج وجد موضعا على خارطة المعالم الإنشائية

البرج لتتناغم مع الشكل المعاري غير البرج لتتناغم مع الشكل المعاري غير التقليدي بالثقاف جسم البرج اللافت للنظر ليكون نقلة نوعية في عالم العقار والوجبه المعماري للعاصمة وعلامة مميزة للابراج الشاهقة في وعلامة مميرة للابراج ال سماء الكويت

وقد منح الندرع التقديري للشركة التجارية العقارية مطور ومالك المشروع تسلمها ممثل الشركة

المهندس خليل العنيزي. كما منحت شهادة الثمر لدار استشارات الجزيرة عن اعمال

عـوض الـجـهـرم. والمكتب الّـعـ الكندي نور الذي قام بعمل التص من القاول المفد شركة سيد حد بهجهائي واولاده تسلمها مدير المشروع المهندس وليد بركات ولدير

و منحت جبالترة الأوسانة ومنحت جبالترة الإنجباز لعضو للغلسالبلدي الحالي ووزير الإشغال العامة ووزير الدولة لتطون الجلس العامة ولاير الدولة لتطون الجلس العامة والتيرا للخصانة والإنجازانة الصراق، تقديرا للخصانة والجازانة على مدى ما يُقَارِب الأربعة عقود في تطوير الشان البلدي في الكويت.





#### **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'Acitivities**

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

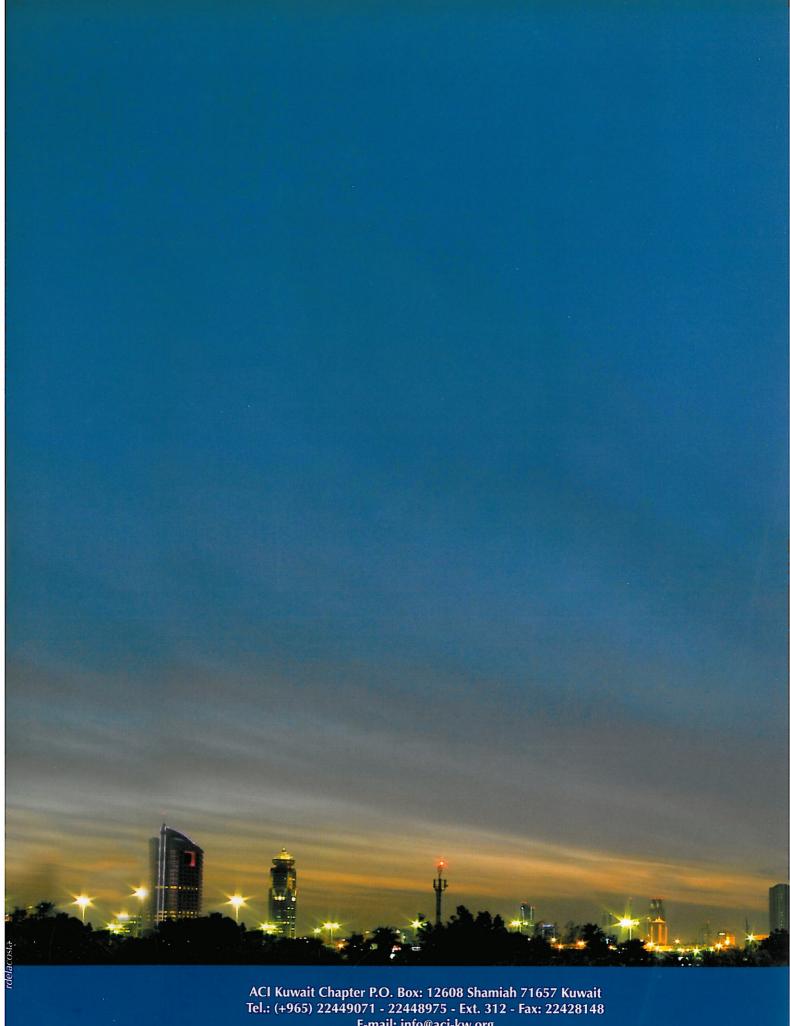
Photo

First Name	Middle Name		Surname	
الأســم الأول	الأسم الثاني		اللقب	
imployer/Organization:		Corporate Title:		
Address:				
Telephone No.: Mobile/Pa	ger No.: Fax N	lo.: E-mail	<u>;</u>	
Categories of Membership				
Please check the category of membership you ar	e applying for and provide the appr	opriate dues as described belo	w:	
Student: KD 5/Year (Full time student at an Member Profile Information (Please check only one beautiful Officer, Top Management Administrative, Operating Management Plant, Production & Construction Design Engineering Management Architectural Engineering Services Chemicals and Allied Products Contructons Machinery and Equipment Concrete Block and Brick Ready Mixed Concrete Educational Institutions		Testing Laboratory Quality Control Research Services Concrete Products Educators Educators Student Utility Government Other (Pslease esp		
Are you Interested to joint ACI Chapter Committ	ee?	( ) YES	( ) NO	
Method of Payment  □ Cash	□ Chequ	e (Payable to ACI-Kuwait Chap	ter)	
Reciep No.		Receipt No.		
☐ Money Transfer ( Payable to ACI - Kuwait Ch	napter, Account No. 06655310 with	The Gulf Bank)		
Transaction No.				
For ACI - Kuwait Chapter Use Only>				

Detailed Information Please Contact:



On beahalf of ACI-KC the Concrete News staff would like to thank the KISR management for providing their full support in printing of this news letter



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