
Amr Salah El-Dieb, Ph.D., MASCE, MACI, MPCl, MASTM

Professor, Concrete Technology & Structural Engineering,
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PERSONAL INFORMATION

Date of Birth: 27 July 1961

Nationality: Egypt

EDUCATION

- Ph.D., Department of Civil Engineering, University of Toronto, Canada. Thesis title "Permeation of Fluid through High-Performance Concrete." 1994
 - M.Sc., Department of Structural Engineering, Faculty of Engineering, Ain Shams University, Cairo, Egypt. Thesis title "High Strength Concrete by Using Crushed Limestone from Local Quarries." 1988
 - B.Sc., Department of Structural Engineering, Faculty of Engineering, Ain Shams University, Cairo, Egypt. 1983
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ACADEMIC APPOINTMENTS

- Professor, Concrete Technology & Structural Engineering, United Arab Emirates University, College of Engineering, Civil & Environmental Engineering Department, Al Ain, UAE. 2007-Present
 - Professor of Properties and Testing of Materials, Department of Structural Engineering, Ain Shams University, Cairo, Egypt. 2004-2007
 - Associate Prof., Department of Structural Engineering, Ain Shams University, Cairo, Egypt. 1999-2004
 - Assistant Prof., Department of Structural Engineering, Ain Shams University, Cairo, Egypt. 1998-1999
 - Post-Doctoral Fellow, Department of Civil Engineering, University of Toronto, Toronto, Canada. 1997-1998
 - Assistant Prof., Department of Structural Engineering, Ain Shams University, Cairo, Egypt. 1994-1997
 - Teaching and Research Assistant, Department of Civil Engineering, University of Toronto, Toronto, Canada. 1990-1994
 - Associate Lecturer, Department of Structural Engineering, Ain Shams University, Cairo, Egypt. 1988-1990
 - Demonstrator, Department of Structural Engineering, Ain Shams University, Cairo, Egypt. 1983-1988
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ADMINISTRATIVE APPOINTMENTS

- Chairman of the Civil & Environmental Engineering Department, College of Engineering, United Arab Emirates University, UAE. 2015-Present
- Chairing the University Faculty Disciplinary Committee, United Arab Emirates University, UAE. 2018-Present
- Acting Dean, College of Engineering, United Arab Emirates University, UAE. 2013-2014

- Chairing the Civil & Environmental Engineering Department Promotion Committee, College of Engineering, United Arab Emirates University, UAE. 2014-2015
- Chairman of the Civil & Environmental Engineering Department, College of Engineering, United Arab Emirates University, UAE. 2011-2013
- Coordinator of the Civil Engineering Master Program (CEMP), College of Engineering, United Arab Emirates University, UAE. 2010-2011
- Chairing of the Civil & Environmental Engineering Department Promotion Committee, College of Engineering, United Arab Emirates University, UAE. 2008-2011
- Associate Director of the Credit-Hours Undergraduate Engineering Programs, Faculty of Engineering, Ain Shams University. 2006-2007
- Head of the Building Engineering Undergraduate Credit-Hours Program, Faculty of Engineering, Ain Shams University. 2006-2007
- Head of the Materials Research Centre and Quality Control (MRC), Faculty of Engineering, Ain Shams University, Cairo, Egypt. 2004-2006
- Chairing the Civil Undergraduate Students Grades Committee, Faculty of Engineering, Ain Shams University, Cairo, Egypt. 2004-2006

LEADERSHIP ACTIVITIES

I-As Department Chair UAE University (2015 – Present):

- Leading the Department preparation of the SSR for the coming ABET re-accreditation visit
- Led the efforts of collaboration with Arizona State University to establish an International Accelerated Degree Program (IADP) (4+1+1) leading to a B.Sc. in Civil Engineering from UAE University and an MS Civil, Environmental and Sustainable Engineering from Arizona State University
- Led the review process of the program learning outcomes (PLOs) to match the new ABET student learning outcomes and mapping all courses' learning outcomes (CLOs) with the new PLOs
- Led the Department preparation for the CAA accreditation visit in Spring 2017 which resulted in a successful accreditation for five years (2017-2022) for both the undergraduate and the graduate programs
- Led the Department preparation for the ABET accreditation visit in Fall 2015 which resulted in a successful accreditation for six years (2016-2022)
- Successfully filling faculty position with highly qualified personnel
- Encouraged faculty members to secure research grants, faculty members successfully secured 22.8 Million Dirhams (i.e., \$6.16 Million) in research funding which was reflected on the number of enrolled graduate students (i.e., Master or Ph.D.) in the Department
- Successfully securing 3.0 Million Dirhams (i.e., \$0.8 Million) for equipment purchase in the Department

II-As Acting Dean of the College of Engineering, UAE University (2013 – 2014):

- Initiated the College Departments preparation for the ABET re-accreditation visit
- Developed the College strategic action plan to be synchronized with the University's strategic plan
- Completing the initiatives identified in the College strategic plan for the AY 13/14
- Led the efforts to successfully hiring highly qualified faculty members for all the vacant positions across the College
- Established the College International Advisory Board composed of (7) well-renowned faculty members from the USA
- Led the efforts to finalize the minor program in Aerospace Engineering with collaboration with the aviation industry in the UAE which was established in Spring 2014
- Led the efforts for the approval of the proposal of Emirates Center for Energy and Environment Research which was established Spring 2014

- Led the efforts for advertisement and recruitment plans for undergraduate and graduate students which increased students' enrollment
- I was able to secure 12 Million Dirhams (i.e., \$3.2 Million) in funding for upgrading and developing the College laboratories. The installation of several equipment was completed during the AY 13/14

III-As Department Chair, UAE University (2011 – 2013):

- Successfully managed the movement of the Department and the laboratories from the old campus to the new campus during summer 2012 with minimal interruptions to faculty and students.
- Lead several activities aiming to increase the student enrollment which was the second highest in the College
- Successfully filling faculty position with highly qualified personnel
- I was able to add (1) additional laboratory position for the Department
- Successfully installing the uniaxial shake table, a 2000kN reaction frame and 2 actuators (500kN each), with the total amount of 7.5 Million Dirhams (i.e., \$2.0 Million) in the structural lab
- I was able to secure 9.0 Million Dirhams (i.e., \$2.4 Million) for purchasing major equipment in the Department's laboratories

IV-As Head of the Materials Research Center (MRC), Ain Shams University (2004 – 2006):

I was successful to implement new strategies at the administration and organization level which resulted in doubling the annual income of the center during the first year and an additional 50% increase in the second year

I was successful in purchasing new equipment to the Center laboratory

I was successful in establishing agreements and collaborations with other laboratories at the national level to broaden the scope of the Center and help expand its missions and goals

HONORS AND AWARDS

UAE University, University Faculty Excellence Award in Service	2021
UAE University Research Award for Publishing in Top Ranked Journals in 2019	2020
UAE University Faculty Excellence Merit Award	2020
UAE University, College of Engineering Faculty Excellence Award in Service	2020
UAE University Research Award for Publishing in Top Ranked Journals in 2018	2020
UAE University Research Award for Publishing in Top Ranked Journals in 2017	2019
UAE University, University Faculty Excellence Award in Service	2017
UAE University, College of Engineering Faculty Excellence Award in Service	2016
Outstanding Reviewer of the ASCE Journal of Materials in Civil Engineering	2015
Outstanding Reviewer of the ASCE Journal of Materials in Civil Engineering	2013
Who's Who in Academic Keys for Engineering	2010
Marquis Who's Who in the World since 26th Edition	2009
Marquis Who's Who in Engineering Higher Education	2009
Egyptian Encouragement State Award for Engineering Sciences, from the Academy of Scientific Research and Technology, Cairo, Egypt	2001
Ain Shams University Merit Award for Excellent Publication	2000
University of Toronto Open Fellowship, University of Toronto	1990-1994
Differential Fee Waiver Scholarship, University of Toronto	1990-1991
Dean's List, Ain Shams University Faculty of Engineering	1978-1983

TEACHING ACTIVITIES

TAUGHT COURSES

I-Courses Taught at UAE University (2007 – Present):

Courses 300 and 500 levels are undergraduate courses, 600 level is master courses, and 700 level is Ph.D. courses

Course	Years*
CIVL360 Concrete Technology	S08-F08-S09-S10-S11-S12-S13-S15-S16-S17-S18-S19-S20
CIVL510 Special Topics in Structural Engineering	F07
CIVL515 Advanced Concrete Technology	F07-S08-F08-S09-F09-F10-F11-F12-F13-F14-F15-F16-F17-F18-S21
CIVL585 Graduation Project I	F07-F08-S09-F09-F10-S11-F14-F16-S17
CIVL590 Graduation Project II	S08-S09-F09-S10-S11-F11-S15-S17-F17
CIVL605 Experimental Methods in Civil Engineering	F14
CIVL631 Independent Studies in Civil Engineering	F09-S15
CIVL650 Research Thesis	F10-F11-F12-S15-F15-S16-F16-S17-F17-S18-F18-S19-F19-S20-F20
CIVL735 Advanced Topics in Civil Engineering	F17

* F= Fall semester & S= Spring semester

II-Courses Taught at Ain Shams University (1994-2007):

Courses taught as faculty members at the Structural Engineering Department.

Course	Years
CES141 Properties & Testing of Materials (1)	1994-1997
CES241 Properties & Testing of Materials (2)	1994-1996/1998-2007
CES527 Concrete Durability (currently CES 428)	1999-2007
MDP030* Professional Engineering Practice & Responsibilities	2006-2007
CES526** Special Concretes (currently CES425) (M.Sc.)	2004-2007
CES624** Special Tests (M.Sc.)	1999-2007
CES520** Properties and Testing of Materials (M. Eng. Diploma) course was discontinued	1998-1999

* Course offered for the credit-hours Building Engineering Program

** Graduate courses

III-Courses Taught at the Arab Academy for Science Technology & Maritime Transport (2001-2007):

Courses taught as adjunct faculty. I was responsible for developing teaching materials, course handouts, and students' assessment tools.

Course	Years
CBM352 Construction Materials	2001-2007

IV-Courses Taught at the Akhbar Al Youm Academy for Science and Technology (2002-2003):

Courses taught as adjunct faculty. I was responsible for developing teaching materials, course handouts, and students' assessment tools.

Course	Years
CIV107 Civil Materials	2002-2003

V-Courses Taught at University of Toronto (1990-1994) & (1997-1998):

Courses taught as a teaching assistant and post-doctoral fellow at the Civil Engineering Department

Course	Years	Role
JVM209F Engineering Materials	1990-1994	Teaching Assistant
CIV212S Solid Mechanics	1990-1994	Teaching Assistant
CIV514F Concrete Construction	1997-1998	Co-delivering course with Prof. R.D. Hooton

VI-Courses Taught at Ain Shams University (1983-1990):

Courses taught as a demonstrator at the Structural Engineering Department

Course	Years
CES141 Properties & Testing of Materials (1)	1883-1990
CES241 Properties & Testing of Materials (2)	1983-1990
ARC151 Building Construction for Arch. Eng.	1983-1990
CES321 RC Design (2)	1983-1984
CES421 RC Design (3) (STR)	1983-1994

DEVELOPED COURSES/CURRICULUM**I-At UAE University (2007 – Present):**

All courses were developed as laptop delivered courses. Developed teaching materials, course handouts, and students' assessment tools

Course
CIVL360 Concrete Technology
CIVL510 Special Topics in Structural Engineering
CIVL515 Advanced Concrete Technology
CIVL605 Experimental Methods in Civil Engineering
CIVL631 Independent Studies in Civil Engineering
CIVL735 Advanced Topics in Civil Engineering

II-At Ain Shams University (1994-2007):

I was responsible for developing teaching materials, course handouts and students' assessment tools.

Course
CES141 Properties & Testing of Materials (1)
CES241 Properties & Testing of Materials (2)
CES527 Concrete Durability (currently CES 428)
MDP030* Professional Engineering Practice & Responsibilities (currently HUM014)
CES526** Special Concretes (currently CES425) (M.Sc.)
CES624** Special Tests (M.Sc.)
CES520 Properties and Testing of Materials (M. Eng. Degree) (currently course is discontinued)

* Course offered for credit-hours Building Engineering Program

** Graduate courses

STUDENTS' EVALUATION OF COURSES TAUGHT AT UAE UNIVERSITY

Semester	Course (Section)	# Students	Avg. Course Rate	Avg. Instructor Rate
Fall 2007	CIVL510 Special Topics in Structural Eng. (01)	12	4.50	4.63
Fall 2007	CIVL510 Special Topics in Structural Eng. (51)	7	4.72	4.87
Fall 2007	CIVL515 Advanced Concrete Tech. (01)	23	4.06	4.30
Spring 2008	CIVL515 Advanced Concrete Tech. (51)	11	4.17	4.42
Spring 2008	CIVL360 Concrete Technology (01)	25	4.40	4.49
Spring 2008	CIVL360 Concrete Technology (51)	16	4.48	4.41
Fall 2008	CIVL515 Advanced Concrete Tech. (01)	17	4.41	4.48
Fall 2008	CIVL515 Advanced Concrete Tech. (02)	8	4.91	4.92
Fall 2008	CIVL360 Concrete Technology (01)	24	4.52	4.75
Spring 2009	CIVL515 Advanced Concrete Tech. (01)	9	4.18	4.58
Spring 2009	CIVL360 Concrete Technology (51)	24	4.43	4.54
Fall 2009	CIVL515 Advanced Concrete Tech. (01)	11	4.46	4.56
Fall 2009	CIVL515 Advanced Concrete Tech. (51)	6	4.67	4.73
Spring 2010	CIVL360 Concrete Technology (01)	28	4.29	4.58
Spring 2010	CIVL360 Concrete Technology (02)	21	4.45	4.55
Spring 2010	CIVL360 Concrete Technology (51)	25	4.64	4.76
Spring 2010	CIVL360 Concrete Technology (52)	23	4.53	4.82

Fall 2010	CIVL515 Advanced Concrete Tech. (01)	7	4.61	4.73
Spring 2011	CIVL360 Concrete Technology (01)	14	4.36	4.51
Spring 2011	CIVL360 Concrete Technology (02)	22	4.46	4.74
Spring 2011	CIVL360 Concrete Technology (51)	26	4.60	4.65
Spring 2011	CIVL360 Concrete Technology (52)	22	4.57	4.74
Fall 2011	CIVL515 Advanced Concrete Tech. (01)	9	4.44	4.65
Spring 2012	CIVL360 Concrete Technology (01)	11	4.78	4.66
Spring 2012	CIVL360 Concrete Technology (51)	13	4.77	4.80
Spring 2012	CIVL360 Concrete Technology (52)	20	4.52	4.56
Fall 2012	CIVL515 Advanced Concrete Tech. (01)	5	4.40	4.78
Fall 2012	CIVL515 Advanced Concrete Tech. (51)	10	4.65	4.68
Spring 2013	CIVL360 Concrete Technology (01)	14	4.72	4.78
Spring 2013	CIVL360 Concrete Technology (51)	22	4.37	4.54
Fall 2013	CIVL515 Advanced Concrete Tech. (51)	7	4.48	4.60
Fall 2014	CIVL515 Advanced Concrete Tech. (51)	6	4.92	4.91
Fall 2014	CIVL605 Experimental Methods in CE (01)	6	5.00	5.00
Spring 2015	CIVL360 Concrete Technology (01)	18	4.38	3.72
Spring 2015	CIVL360 Concrete Technology (51)	13	4.68	4.67
Fall 2015	CIVL515 Advanced Concrete Tech. (51)	10	4.56	4.56
Spring 2016	CIVL360 Concrete Technology (51)	21	4.67	4.75
Spring 2016	CIVL360 Concrete Technology (52)	21	4.25	4.49
Fall 2016	CIVL515 Advanced Concrete Tech. (51)	9	4.40	4.34
Spring 2017	CIVL360 Concrete Technology (51)	18	4.38	4.75
Spring 2017	CIVL360 Concrete Technology (52)	20	4.42	4.45
Fall 2017	CIVL515 Advanced Concrete Tech. (51)	20	4.60	4.75
Spring 2018	CIVL360 Concrete Technology (51)	20	5.00	5.00
Spring 2018	CIVL360 Concrete Technology (52)	19	4.67	4.97
Fall 2018	CIVL515 Advanced Concrete Tech. (51)	9	4.94	4.97
Spring 2019	CIVL360 Concrete Technology (51)	23	4.94	4.98
Spring 2019	CIVL360 Concrete Technology (52)	21	4.88	4.96
Spring 2020	CIVL360 Concrete Technology (52)	24	4.64	4.63
Mean Value (out of 5.0)			4.56	4.66
Standard Deviation			0.22	0.23

SUPERVISION AND TRAINING UNDERGRADUATE RESEARCH STUDENTS

Year	Project	University	Students
2016-2017	Mixture Design and Evaluation of Self Compacting Concrete (SCC)	UAU	Siham S. Al Shanti Lama F. Allan Noor R. Al Ashkar
2011-2012	Use of Concrete-Filled Steel-Tubes as Column Elements in Multistory Buildings	UAU	Dima M. Kanaan Rawia Y. Thani Shamma S. AL Aryani
2010-2011	Behavior of Composite Flexural Elements	UAU	Afra Al Dhaheri Vasilina Al Khaldi Muna Al Azizi
2010-2011	Comparison of Concrete Mixture Design Methods using available Material in UAE	UAU	Ahmad Almansori Saleh M. J. Juha M.S. Al Hamlawi Abdelrahman A. Alsallamin
2009-2010	Concrete Mixture Design Incorporating Supplementary Cementing Materials (SCM)	UAU	Fhad Al Shehi Talal Al Shehi Khaled Al Hammadi Saeed Al Ajmi
2008-2009	Reliability of Non-Destructive tests for Evaluating Concrete Quality	UAU	Ahmed Al Samri Nader Al Zarouni Al Hassan Mohamad Yaser Al Nuaimi
2007-2008	Design of High-Performance Concrete Mixtures (HPC) in Aggressive Environments	UAU	S. Al Haddadi S. Al-Ameri

			N. Al Shamsi M. Al Shebli M. Mazrooei
2004-2005	Lightweight Self-Compacting Concrete	Ain Shams Univ.	Hatem A. Wahab, and Reham A.M. Elaskary
2003-2004	Effect of using Lime Stone Powder on Flowability of Self-Compacting Concrete	Ain Shams Univ.	Marco G. Guirgis Magi S. Ibrahim Christine M. Masih Karmen R. Ghobrial Mariam F. Guirgis
2001-2002	Fiber-Reinforced Self-Compacting Concrete (FR- SCC)	Ain Shams Univ.	Abdel Rahman Abdel Latif Mahmoud A. Ibrahim Mahmoud Abdel Wahab Waleed Zaki Ahmed
2001-2002	Evaluating In-Situ Concrete Strength Using Combined Non-Destructive Test Methods	Ain Shams Univ.	Amal Nagi Abd Allah Eman Mohsen Anwar Ayman El-Sayed El-Sadek Rania Mostafa Mohamed
2000-2001	Repair of RC Beams Subjected to Reinforcement Corrosion Using GFRP	Ain Shams Univ.	Dalia S. Aziz Dazy Labib Dina R. Kamel Dina A. Sheta
1999-2000	High-Performance Concrete	Ain Shams Univ.	Amal Bilal Iman A. Ali Nasr Iman Abdel Salam A. El-Magd
1999-2000	High Strength Fiber Reinforced Concrete	Ain Shams Univ.	Maha M. Ibrahim Ingy Ahmed Awad
1998-1999	Polymers in Concrete	Ain Shams Univ.	Ehab K. B. Ibrahim Ahmed M. El-Ahmady
1997-1998	Investigation of an Unstable Porous Material used in the Plaster Die Making Process	Univ. of Toronto	Lisa Vleuten
1995-1996	Concrete Admixtures; Use of Rice Husk as Mineral Admixture	Ain Shams Univ.	H.M. Sayed A.S. Kotb G.I. El-Sayed
1995-1996	Repair & Strengthening of Structures	Ain Shams Univ.	H.M Fahmi H.A. El-Nagar
1994-1995	Fibre Reinforced Concrete	Ain Shams Univ.	H.H. Zeidan H.M. Zaki Y.M. Bakr
1994-1995	Polymers in Concrete	Ain Shams Univ.	S. Hazem M.A. El-Gozamy M.A.E. El-Sheikh M.M. Taha N.M Farag
1994-1995	Non-Destructive Testing on Concrete Structures	Ain Shams Univ.	N.E. Nasr S.F.A. El-Baky H.A. Shalaby M.A.E. Tawfik

EXTRA-CURRICULAR ACTIVITIES:

- Organized and participated in students' societies activities (i.e., end of semester gatherings, outdoor trips, soccer competitions etc) AY 11/12, 12/13.
- Delivered a presentation to newly undergraduate Engineering students, 18 Mar. 2013.
- Supervised 3 groups' of students who participated in the ASCE-AUS Concrete Competition Day-Concrete Crushing competition, 20 Nov. 2012 (One group won the second place and a second group won the third place).
- Organized and arranged as UAEU coordinator the participation of GPII students in the AHELO exam 10 May 2012.
- Organized field trip for male and female students to Al Reem Island ready Mix Plant, 13 & 21 May 2012
- Organized field trip for male and female students to Al Reem Island ready Mix Plant, 4 & 12 May 2010
- Supervised a group of students who participated in the ASCE-AUS Concrete Competition Day-Concrete Crushing

competition, Nov. 2010 (The group won the first place in the competition).

- Participated in the Department's Open-House Day, Abu Dhabi, 20 April 2010
- Organized field trip for female students to Al Reem Island Ready Mix Plant, 6 May 2009
- Participated in the Department's Open-House Day, Dubai, 23 March 2009
- Delivering a workshop to male students on Rehabilitation Materials and Methods for Concrete Structures, UAEU, 5-7 May 2007.
- Delivering a workshop to female students on Maintenance, Repair, and Strengthening of Concrete Structures, UAEU, 18 Nov-5 Dec. 2007.

PROFESSIONAL DEVELOPMENT IN TEACHING:

- Attended a training workshop on "Blended Courses Transformation Program," organized by CETL at UAEU, 24 Oct – 14 Nov. 2019.
- Attended a training workshop on "Blackboard Training-Blackboard Communication Tools," organized by CETL at UAEU, 25 Oct. 2018.
- Attended a training workshop on "Blackboard Training-Blended Teaching with Collaborate Ultra," organized by CETL at UAEU, 25 Oct. 2018.
- Attended a seminar on "Structural Health Monitoring," delivered by Derek Skolnik (Kinemtrics, USA), organized by CEED, 13 Mar 2013.
- Attended a seminar on "Recent Development in Applied Element Methods for Structural Analysis," delivered by Ahmed Khalil (Cairo, Univ.), organized by CEED, 6 May 2010.
- Attended a seminar on "Structural Design of DMCC Al Mas Tower," delivered by Chander Shahdadpuri (Technical Director WSP Middle East Ltd, Institute of Structural Engineering, UAE Division), organized by CEED, 21 Apr. 2010.
- Attended a presentation on "The Institute of Civil Engineering (ICE) Virtual Library: Innovative Products and Services for Civil Engineers and Construction Market," delivered by Neil Byrne (ICE, UK), organized by CEED, 1 Oct. 2009
- Attended seminar on "Intelligent Finite Element Method: A New Approach to Constitutive Modelling in FE Analysis," delivered by Akbar Javadi (University of Exeter, UK), organized by the Civil & Environmental Engineering Department (CEED), 27 Sep. 2009
- Attended a symposium on "Engineering Education," organized by the College of Engineering, 17-18 May 2009.
- Attended two seminars organized by the College Active Learning and Course Development Committee on "Phase II Interactive Course/Lecture," UAEU, 7 & 14 May 2009.
- Attended a workshop organized by the College Active Learning and Course Development Committee on "Active Learning & Course Development," UAEU, 18 Dec. 2008.
- Attended a seminar organized by Center for Excellence in Teaching and Learning (CETL), UAEU, 23 Oct. 2008

RESEARCH ACTIVITIES

SUPERVISION OF Ph.D. DISSERTATIONS:

Student	Dissertation Title	University	Current Placement	Year
Nauman Wahab	Improving the seismic resilience of infrastructure using smart systems	UAEU	In Progress	
Omar Majm	Development and evaluation of cement-free alkali-activated concrete made with locally available industrial wastes	UAEU	In Progress	
Enas A. Khattab	Production of Ultra-High Strength Concrete Using Local Materials and its Application in Axially Loaded Columns	Ain Shams Univ., Egypt	Prof. at NHBRC, Egypt	2010
Amal A. Bilal	Behavior of Ultra-High Strength Concrete Under Axial and Cyclic Lateral Loading	Ain Shams Univ., Egypt	Prof. NHBRC, Egypt	2010
Ibrahim Abdel Latif Y. Ahmed	Modeling of Corrosion Evaluation and Prediction of Steel Reinforcement in RC Structures by Artificial-Neural-Networks (ANNs)	Ain Shams Univ., Egypt	Assistant Prof. at Ain Shams Univ. Egypt	2010
Mohamed Ragab Abdel Meguid	Performance and Durability of Slag Cement Concrete in Aggressive Environment	Ain Shams Univ., Egypt	Assistant Prof. at Ain Shams Univ. Egypt	2006

SUPERVISION OF MASTER THESES:

Student	Thesis Title	University	Year
Mona El-Hallak	Using Metal-Organic Frameworks (MOFs) in Producing Carbon-Zero Concrete	UAEU	In Progress
Lama Allan	Using Metal-Organic Frameworks (MOFs) in Producing Self-Curing Concrete	UAEU	In Progress
Ahmad A. A. Almadhoon	Sludge-based activated carbon: Characterization and performance for removal of methylene blue from aqueous solution	UAEU	In Progress
Pon Alagappan Chokkalingam	Performance evaluation of cement-free geopolymer concrete made from ceramic waste designed by Taguchi method	UAEU	2021
Siham S. Al Shanti	Reusing Sewage Sludge Ash in Making Self-Compacting Concrete <i>(Students received the ASTM Project Grant Award 2019 & ACI Fellowship Award 2020)</i>	UAEU	2021
Afra A. Al Dhaheri	Combining Non-Destructive Test to Improve the Reliability of Evaluating Concrete Quality	UAEU	2018
Sama T. Aly	Using Ceramic Waste Powder in Producing Self-Compacting Concrete	UAEU	2016
Dima M. Kanaan	Recycling Ceramic Waste Powder and its Usage as an Alternative Ingredient in Concrete <i>(Thesis received the 1st place for the best master thesis in 2019-2020 by the Association of Arab Universities)</i>	UAEU	2016
Abulaziz Lazkani Abdulwahab	Behavior of Expansive-Concrete-Filled Steel Tubular (ECFST) Columns under Axial Loadings	UAEU	2016
Omar Jum'ah Zaal	Shear Behavior of Steel-Fiber Reinforced Ultra-High-Strength Self-Compacted Concrete Beams	UAEU	2015
Anes Bouchair	Flexural Behavior of Reinforced Concrete T-Beams Strengthened with NSM Composite System under Accelerated Corrosion	UAEU	2014
Amna Z. S. Al Nassibi	Performance of Reinforced Concrete Beams Strengthened with Mechanically-Fastened Composite System under Corrosive Environment	UAEU	2013
Ahmed A. M. Ali	Punching Shear Behavior of Lightweight Foamed Concrete Slabs	Ain Shams Univ. Egypt	2011
Ahmed B.E. Ghounamy	Effect of Temperature Cycles on the Performance of Reinforced Concrete Elements Reinforced by External FRP	Ain Shams Univ. Egypt	2010
Fariad M. El-Gabass	CFRP Strengthening of Prestressed Hollow-Core Slabs in Positive Moment Region	Ain Shams Univ. Egypt	2009
Mohamed A. AL-Gharib	Electrically Conductive Concrete and its Use in Structural and Electrical Applications	Ain Shams Univ. Egypt	2007
Ahmed F. B. Oan	Effect of Concrete Surface Treatment on the Corrosion Rate of Steel Reinforcement	Ain Shams Univ. Egypt	2006
Ahmed M.S. Soliman	Performance of Self-Curing Concrete	Ain Shams Univ. Egypt	2005
Ashraf N. Awad	Repair of Reinforced Concrete Water Tanks	Ain Shams Univ. Egypt	2006
Amal Bilal	Effect of Surface Treatment on the Performance of Lime Stone Building Units	Ain Shams Univ. Egypt	2005
Tarek H.S. Gewaily	Performance of Carbon Fiber Laminates Used for Rehabilitation of Reinforced Concrete Elements	Ain Shams Univ. Egypt	2005
Yasser R. Zaghloul	Improvement of Cement Blocks for Use in Nuclear Technology	Ain Shams Univ. Egypt	2004
Enass A. Khattab	High-Performance Self Compacting Concrete	Ain Shams Univ. Egypt	2004
Mohamed E. Abdel Hamid	Improving Impact Resistance of Concrete by Using Recycled Scrap Rubber Tires	Ain Shams Univ. Egypt	2002

Ahmed E. El-Sokary	Analytical Study on Factors Affecting Building Failure and its Effect on the Architectural Environment	Ain Shams Univ. Egypt	2002
Nagi Surial	High Strength Lightweight Concrete Using Air-Cooled Blast Furnace Slag	Ain Shams Univ. Egypt	2002
Ahmed Rashad	Improving the Performance of Reinforced Concrete Elements Using Fibre Reinforced Plastics	Ain Shams Univ. Egypt	2001
Tarek M. Hamouda	Latex Modified Concrete	Ain Shams Univ. Egypt	1999
Hussein A.G. Farahat	Durability of Glass Fiber Reinforced Cement Mortar (GRC)	Ain Shams Univ. Egypt	1997
Mahmoud M. Reda Taha	Polymers in Concrete	Ain Shams Univ. Egypt	1996

SUPERVISION OF M. ENG. THESES IN STRUCTURAL ENGINEERING:

Student	Thesis Title	University	Year
Nabil Z. Hanaa	Damage and Repair of Reinforced Concrete Structures	Ain Shams Univ., Egypt	2000
Mohamed M. Ghonemy	High-Performance Concrete; Behaviour, Advantages & Fields of Application	Ain Shams Univ., Egypt	1996
A. M. M. Kasem	Aggregate Quarries in Kafr El-Shiekh and Ismailia	Ain Shams Univ., Egypt	1996

CURRENT RESEARCH FOCUS:

My research focus is on the production of sustainable concrete or eco-friendly concrete to reduce the environmental impact of cement production and at the same time without affecting concrete durability performance. Exploring and utilizing new and various solid waste materials could help reduce its negative impact on the environment and at the same time could be incorporated as an ingredient in making concrete. My research focuses on experimental investigations of the investigated materials such as its chemical composition and morphology. Also, the produced concrete performance is evaluated through several testing at the macro and micro levels. The nature of the research requires interdisciplinary collaboration with colleagues from different areas such as environmental engineering and chemical engineering. Current and recent active research includes:

- Using organic-metal frameworks (MOFs) in concrete
- The use of sewage sludge ash in concrete
- Cement-free geopolymer concrete using industrial solid waste materials
- Utilizing ceramic waste powder (CWP) in making eco-friendly concrete (i.e., conventionally vibrated, SCC and Geopolymer)
- Self-curing concrete using water-soluble polymers

DEVELOPMENT OF THE CONCRETE LAB AT UAE UNIVERSITY:

Since joining UAE University, I noticed that the concrete lab included necessary equipment for undergraduate courses and it lacked advanced equipment for research. I was able to upgrade the lab capabilities with several types of equipment to be capable of conducting advanced research. The equipment purchased included:

- JOEL-6390 scanning electron microscope with EDS capability
- Drying oven with capacity 1800 liters
- Temperature/Humidity Cycling Chamber with 1200 liters capacity
- Rapid chloride penetration equipment
- Mercury intrusion porosimetry equipment
- Bulk and surface resistivity meters
- Water permeability equipment
- Half-cell potential equipment
- GECOR 6 for corrosion monitoring
- Impact echo system
- Slump flow, J-ring, V-funnel, L-box, and GTM segregation tests equipment for self-compacting concrete
- Mortar and concrete shrinkage molds and digital comparator

- Furnace up to 1200°C with the capability of monitoring mass change during burning
- Disc type grinder (can grind to microscale size)
- Ball mill grinder (can grind to nanoscale size)
- Energy dispersive X-ray fluorescence spectrometer (XRF)
- Laser particle size analyzer
- Mercury Intrusion porosimeter (MIP)
- Pheso Rheometer from Calmatrix

RESEARCH GRANTS:

Project Title	Funding Entity	Budget (AED)	Role	Year
UAEU Materials Science Alliance on Energy, Environment and Sustainability – Eco-Friendly Concrete	UAEU-Center Based	1,070,000.00	Lead PI	2020-2024
Using Sewage Sludge Ash in the Construction Industry in the UAE	UAEU-UPAR	400,000.00	PI	2019-2021
Development and Evaluation of Cement-Free Geopolymer Concrete Using Locally Available Industrial Solid Wastes	UAEU-UPAR	400,000.00	Co-PI	2018-2020
Ceramic Waste Powder in Concrete – Towards Sustainable Construction Industry	UAEU-UPAR	550,000.00	PI	2015-2019
Mechanical Properties and Durability Performance of Inorganic Polymer (Geopolymer) Concrete using Slag	UAEU	30,000.00	PI	2013-2015
Preparation and Testing of Modified Sulfur Concrete for use in Sewer Pipelines	UAE-NRF	280,000.00	Co-PI	2013-2015
Durability and Structural Behavior of Self-Curing Concrete Using Water-Soluble Polymers	UAE-NRF	450,000.00	PI	2012-2014
Shear Behavior of Ultra-High-Strength Steel Fiber Reinforced Self-Compacting Concrete	UAEU	30,000.00	PI	2010-2014
Performance of Near-Surface Mounted (NSM) Rehabilitation System for RC Structures in the Corrosive Environment of UAE	UAE-NRF	500,000.00	Co-PI	2010-2013
Design Life Extension of RC Structures	Dubai Municipality	188,000.00	PI	2010-2011
Performance Evaluation of Mechanically-Fastened FRP System (MF-FRP) for Structural Strengthening Application in the Gulf Environment	UAE-Emirates Foundation	200,000.00	Co-PI	2009-2013
Development of Self-Curing Concrete Using Water-Soluble Polymers	UAEU	14,000.00	PI	2009-2010
Durability of RC Beams Strengthened with Anchored-Unbonded Composite System in UAE Environment	UAEU	20,000.00	Co-PI	2009-2010
Structural Behavior of Self-Compacted-High-Strength-Fiber Reinforced Concrete Beams	UAEU	20,000.00	PI	2008-2010
Rehabilitation of Biaxially Loaded Reinforced Concrete Columns with Advanced Composites	UAEU	30,000.00	Co-PI	2008-2010
Design Guidelines and Long-Term Performance of Concrete Structures Strengthened Using FRP	ADCO	979,000.00	Co-PI	2008-2010
Performance of Ultra-High-Strength-Fiber-Reinforced Concrete (UHS-FRC) in Structural Members	UAEU	18,180.00	PI	2008-2009
The Use of Composite Materials for the Repair and Strengthening of Concrete Structures at ASAB & JEBEL DHANNA Areas	ADCO	1,000,000.00	Co-PI	2003-2004
Electrically Conductive Concrete	MRC, Ain Shams Univ., Egypt	15,000.00	PI	2002-2006
Self-Compacting High-Performance Fibre-Reinforced Concrete (SC-HP-FRC)	MRC, Ain Shams Univ., Egypt	10,000.00	PI	2001-2002

Combined Non-Destructive Methods in Evaluating Compressive Strength of Concrete and the Effect of High Temperature	MRC, Ain Shams Univ., Egypt	10,000.00	PI	2001-2002
Composites in Construction	Ain Shams Univ., Egypt	20,000.00	PI	2001-2002
Self-Curing Concrete	MRC, Ain Shams Univ., Egypt	5,000.00	PI	2001-2002
Effect of Spiral Hoops on the Bond Strength of Different Concrete Grades with Reinforcement Splices	Ain Shams Univ., Egypt	5,000.00	Co-PI	2000-2001
Developing a New Surface Absorption Criteria for Masonry Brick Units & Examining its Correlation to Masonry Bond Strength	MRC, Ain Shams Univ., Egypt	5,000.00	PI	1999-2000

PARTICIPATION IN RESEARCH PROJECTS:

Project Title	Role	University	Supervisor	Year
Chloride Penetration into Concrete	Post-Doctoral	Univ. of Toronto	R.D. Hooton & M.D.A. Thomas	1997-1998
Effect of Different Curing Conditions on Compressive and Flexural Strength of High Strength Concretes, 85 and 100 MPa	Research Assistant	Univ. of Toronto	R.D. Hooton	1990-1994
Development of a High-Pressure Triaxial Cell with Improved Sensitivity for Saturated Water Permeability of High-Performance Concrete	Research Assistant	Univ. of Toronto	R.D. Hooton	1990-1994
Development of an Apparatus for the Pressure Pulse Decay Method for Measuring Water Permeability of Concrete Including High-Performance Concrete	Research Assistant	Univ. of Toronto	R.D. Hooton	1990-1994
Production of High Strength Concrete Using Crushed Limestone from Local Quarries	Researcher	Ain Shams Univ., Egypt	A. Kerim Atta & S. H. Okba	1983-1990
Development of Mix Design Method and Charts Using Crushed Limestone from Local Quarries	Researcher	Ain Shams Univ., Egypt	A. Kerim Atta & S. H. Okba	1983-1990

SCIENTIFIC COLLABORATION WITH INTERNATIONAL INSTITUTES:

University of New Mexico, Albuquerque, NM, USA

Western University, London, ON, Canada

Concordia University, Montreal, Quebec, Canada

Ryerson University, Toronto, ON, Canada

Ain Shams University, Cairo, Egypt

National Housing and Building Research Center, Cairo, Egypt

JOURNAL PAPERS:

Number of citations (Google Scholar Citation Report): 2017

h-index (Google Scholar Citation Report): 19

i10-index (Google Scholar Citation Report): 28

Google Scholar: <https://scholar.google.ae/citations?user=Z-uEIT0AAAAJ&hl=en&oi=ao>

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=6603084989>

I-Papers under Review

1. -----

II-Published and Accepted Papers

1. O. Najm, H. El-Hassan, A.S. El-Dieb, H. AL Jassmi, "Utilization of a Bayesian Network Algorithm to Predict the Compressive Strength of Concrete," International Journal of Civil Infrastructure (IJCI), 2021, Vol.4, pp.33-40.
2. O. Najm, H. El-Hassan, A.S. El-Dieb, "Ladle slag characteristics and use in mortar and concrete: A comprehensive review," Journal of Cleaner Production, 2021, 288, 125584.
3. A.S. El-Dieb, T.A. El-Maaddawy, "Performance of self-curing concrete as affected by different curing regimes," Journal of Advances in Concrete Construction, 2020, Vol.9, No.1, pp.33-41. (Corresponding Author)
4. S.T. Aly, A.S. El-Dieb, M.M. Reda, "Effect of High-Volume Ceramic Waste Powder as Partial Cement Replacement on Fresh and Compressive Strength of Self-Compacting Concrete," ASCE Journal of Materials in Civil Engineering, 2019, Vol.31, No.2, 04018374. DOI: 10.1061/(ASCE)MT.1943-5533.0002588 (Corresponding Author)
5. S.T. Aly, A.S. El-Dieb, M.M. Reda, "Ceramic Waste Powder for Eco-Friendly Self-Compacting Concrete," ASTM Advances in Civil Engineering Materials, 2018, Vol.7, No.1, pp. 426-445. Doi:10.1520/ACEM20180043 (Corresponding Author)
6. A.S. El-Dieb, D.M. Kanaan, "Ceramic Waste Powder an Alternative Cement Replacement – Characterization and Evaluation," Journal of Sustainable Materials and Technologies, 2018, Vol.17, e00063. doi.org/10.1016/j.susmat.2018.e00063. (Corresponding Author)
7. A.S. El-Dieb, T.A. El-Maaddawy, "Assessment of Reinforcement Corrosion Protection of Self-Curing Concrete," Journal of Building Engineering, 2018, Vol.20, pp.72-80. doi.org/10.1016/j.job.2018.07.007 (Corresponding Author)
8. A.S. El-Dieb, "From Landfill to Sustainable Concrete," Editorial, MOJ Civil Engineering, 2018, Vol.4, No.3, pp.136. doi: 10.15406/mojce.2018.04.00110.
9. A.S. El-Dieb, "Evaluating Concrete Durability using Simple Non-Destructive Test Towards Performance-Based Specifications," MOJ Civil Engineering, 2018, Vol.4, No.2, pp.100-102. doi: 10.15406/mojce.2018.04.00104.
10. A.S. El-Dieb, M.M. Reda Taha D.M. Kanaan, S.T. Aly, "Ceramic Waste Powder from Landfill to Sustainable Concretes," Proceedings of the Institute of Civil Engineering: Construction Materials, 2018,.Vol.171, No.3, pp.109-116. doi.org/10.1680/jcoma.17.00019 (Corresponding Author)
11. A.S. El-Dieb, M.A. El-Ghareeb, M.A. Abdelrahman, E.A. Nasr, "Multifunctional Electrically Conductive Concrete using Different Fillers," Journal of Building Engineering, 2018, Vol.15, pp.61-69. doi:10.1016/j.job.2017.10.012 (Corresponding Author)
12. D.M. Kanaan, Sh.H. Aboubakr, A.S. El-Dieb, M.M. Reda Taha, "High Performance Concrete Incorporating Ceramic Waste Powder as Large Partial Replacement of Portland Cement," Construction and Building Materials, 2017, Vol.144, pp.35-41. doi: 10.1016/j.conbuildmat.2017.03.115.
13. M.M. El Gamal, A.S. El-Dieb, A.M.O. Mohamed, K.M. El Sawy, "Performance of Modified Sulfur Concrete Exposed to Actual Sewerage Environment with Variable Temperature, Humidity and Gases," Journal of Building Engineering, 2017, Vol.11, pp.1-8. doi: 10.1016/j.job.2017.03.009. (Corresponding Author)
14. M.M. Reda Taha, A.S. El-Dieb, M.L. Nehdi, "Recycling Tire Rubber in Cement-Based Materials," ACI SP-314 - Eco-Efficient and Sustainable Concrete Incorporating Recycled Post-Consumer and Industrial By-products, 2017.
15. A.S. El-Dieb, "Performance of Reinforced Concrete Columns using Ultra-High-Strength Fiber-Reinforced Self-Compacted Concrete (UHS-FR-SCC)," MOJ Civil Engineering, 1(2): 00010, Nov. 2016. doi:10.15406/mojce.2016.01.0010.
16. A.S. El-Dieb, "Cementless Concrete for Sustainable Construction", MOJ Civil Engineering, 1(2): 00008, Oct. 2016. doi:10.15406/mojce.2016.01.00008.
17. M.M.E. Gamal, A.S. El-Dieb, K.M. El Sawy, A.M.O. Mohamed, "Application of Modified Sulfur Concrete in the UAE Sewerage Systems," International Journal of Chemical and Environmental Engineering (IJCEE), 2015, Vol.6, No.6, pp.365-368.
18. T.A. El-Maaddawy, A. Bouchair, A.S. El-Dieb, A. Biddah, "Corrosion Aging of Concrete T-Girders Strengthened with Near-Surface-Mounted Composites," ASCE Journal of Composites for Construction, 2015, Vol.19, No.3, 04014053-1. DOI: 10.1061/(ASCE)CC.1943-5614.0000518
19. A.M.O. Mohamed, A.S. El-Dieb, K.M. El Sawy, M.M. El Gamal, "Durability of Modified Sulphur Concrete in Sewerage Environment," Environmental Geotechnics (ICE), 2015, 13.00026.
20. A.A. Zaher, A.A. Abdelrahman, A.S. El-Dieb, A.A. Mohamed, "Punching Shear Behavior of Lightweight Foamed

- RC Slabs," International Journal of Application or Innovation in Engineering and Management (IIAEM), July 2015, Vol.3, Issue 7, pp.67-74.
21. T.A. El-Maaddawy, A. Nessabi, A.S. El-Dieb, "Flexural Response of Corroded Reinforced Concrete Beams Strengthened with Powder-Actuated Fastened Composites," ASCE Journal of Composites for Construction, 2013, Vol.17, No.6, 04013004. DOI: 10.1061/(ASCE)CC.1943-5614.0000395
 22. A.S. El-Dieb, T.A. El-Maaddawy, A.A.M. Mahmoud, "Water-Soluble Polymers as Self-Curing Agents in Cement Mixes," Advances in Cement Research (ICE), 2012, Vol.24, No.5, pp.291-299. doi: 10.1680/adcr.11.00030. (Corresponding Author)
 23. S.I. Abu-Eishah, A.S. El-Dieb, M.S. Bedir, "Performance of Concrete Mixtures Made with Electric Arc Furnace (EAF) Steel Slag Aggregate Produced in the Gulf Region," Construction and Building Materials, Sept. 2012, Vol.34, pp.249-256. (Corresponding Author)
 24. A.S. El-Dieb, S. Aldajah, A. Biddah, A. Hammami, "Long-Term Performance of RC Members Externally Strengthened by FRP Exposed to Different Environments," Arabian Journal for Science and Engineering (AJSE), 2012, Vol.37, No.2, pp. 325-339. doi: 10.1007/s13369-012-0177-6. (Corresponding Author)
 25. A.S. El-Dieb, M.M. Reda Taha, "Flow Characteristics and Acceptance Criteria of Fiber-Reinforced Self-Compacted Concrete (FR-SCC)," Construction and Building Materials, 2012, Vol.27, No.1, pp.585-596. (Corresponding Author)
 26. T.A. El Maaddawy, A.S. El-Dieb, "Near-Surface-Mounted Composite System for Repair and Strengthening of Reinforced Concrete Columns Subjected to Axial Load and Biaxial Bending," ASCE Journal of Composites for Construction, 2011, Vol.15, No.4, pp.602-614. DOI: 10.1061/(ASCE)CC.1943-5614.0000181
 27. A.S. El-Dieb, T.A. El Maaddawy, A.A.M. Mahmoud, "Water-Soluble Polymers as Self-Curing Agent in Silica Fume Portland Cement Mixes," ACI Special Publication SP-278 - Frontiers in the Use of Polymers in Concrete, 2011. (Corresponding Author)
 28. S.H. Okba, H.H. Bahnasawy, A.S. El-Dieb, A.A. Abdelrahman, H.Z. El-Karmoty, E.A.A. Khattab, "Mix Proportions and Properties of Ultra-High Strength Concrete Produced using Local Materials," HBRC International Journal, Dec. 2010, Vol.6, No.3, pp.9-19.
 29. S.H. Okba, H.H. Bahnasawy, A.S. El-Dieb, A.A. Abdelrahman, H.Z. El-Karmoty, A.M. Belal, "The Behavior of High-Strength Reinforced Concrete Columns under Axial and Cyclic Lateral Loads," HBRC International Journal, August 2010, Vol.6, No.2, pp. 71-79.
 30. S. Aldajah, A. Biddah, A.S. El-Dieb, A. Alomari, "Nonlinear Analysis of Polymer Strengthened Concrete Beams," Proceedings of the Institute of Civil Engineering: Construction Materials, July 2010, Vol.163, No.4, pp.231-238.
 31. A.A.M. Mahmoud, M.S.H. Shehab, A.S. El-Dieb, "Concrete Mixtures Incorporating Synthesized Sulfonated Acetophenone-Formaldehyde Resin as Superplasticizer," Cement and Concrete Composites, 2010, Vol.32, No.5, pp. 392-397. (Corresponding Author)
 32. F. Elgabbas, A.A. El-Ghandour, A.A. Abdelrahman, A.S. El-Dieb, "Different CFRP Strengthening Techniques for Prestressed Hollow Core Concrete Slabs: Experimental study and analytical investigation," Composite Structures, 2010, Vol.92, No.2, pp. 401-411. (Corresponding Author)
 33. E.A. Nasr, A.S. El-Dieb, F.A. Shaker, M.A. Khalaf, M.N. Mostafa, I.A. Yousef, "Effect of Concrete Cover and External Chloride Concentration on Corrosion Rate of Loaded Reinforced Concrete Beams," Civil Engineering Research Magazine, Al Azhar University, April 2010, Vol.32, No.2, pp. 445-458.
 34. A.S. El-Dieb, "Mechanical, Durability and Microstructural Characteristics of Ultra-High-Strength Self-Compacting Concrete Incorporating Steel Fibers," Journal of Materials and Design, 2009, Vol.30, No.10, pp. 4286-4292. Included in Top 25 Hottest Articles during Oct. to Dec. 2009.
 35. M. M. Reda Taha, A.S. El-Dieb, M. M. Abdel-Wahab, M.E. Abd El-Hameed, "Mechanical, Fracture, and Microstructural Investigations of Rubber Concrete," ASCE Journal of Materials in Civil Engineering, 2008, Vol.20, No.10, pp.640-648.
 36. A.S. El-Dieb, "Self-Curing Concrete; Water Retention, Hydration and Moisture Transport," Construction and Building Materials, 2007, Vol.21, pp.1282-1287.
 37. A.W. Sadek, M.M. El-Hawary, A.S. El-Deeb, "Fire Resistance Testing of Concrete Beams Reinforced by GFRP Rebars," European Journal of Scientific research, Vol.15, No.2, 2006, pp.190-200.
 38. A.W. Sadek, M.M. El-Hawary, A.S. El-Deeb, "Fire Resistance Testing of Concrete Slabs Reinforced by GFRP Rebars," Journal of Applied Fire Science, Vol.15, No.2, 2006, pp.131-145.
 39. A.W. Sadek, M.M. El-Hawary, A.S. El-Deeb, "Fire Resistance of Concrete Beams Reinforced by GFRP Rebars," Journal of Applied Fire Science, Vol.14, No.2, 2005, pp.91-104.
 40. A.S. El-Dieb, "Effect of Fibers on the Flow Characteristics of Self-Compacting Concrete," Ain Shams Engineering Scientific Bulletin, Vol.39, No.2, June 2004, pp.169-189.

41. A.S. El-Dieb, M.M. Abdel-Wahab, A.M. Fathy Abdel-Aziz, "Restoring Reinforced Concrete beams Damaged by Reinforcement Corrosion Using FRP Wraps," Ain Shams Engineering Scientific Bulletin, Vol.37, No.1, March 2002, pp.111-127. (Corresponding Author)
42. A.S. El-Dieb, M.M. Abdel-Wahab, A.M. Fathy Abdel-Aziz, "Performance of Fibre Reinforced Concrete Using Fibrillated and Monofilament Polypropylene Fibres," Ain Shams Engineering Scientific Bulletin, Vol.36, No.4, Dec. 2001, pp.209-218. (corresponding author)
43. A.S. El-Dieb, "Effect of Concrete Quality and Type of FRP Wraps on the Performance of Repaired Reinforced Concrete Beams," Ain Shams University, Faculty of Engineering Scientific Bulletin, Vol.36, No.4, Dec. 2001, pp.197-207.
44. M.M. Reda Taha, A.S. El-Dieb, N.G. Shrive, "Sorptivity: A Reliable Measurement for Surface Absorption of Masonry Brick Units," Materials and Structures Journal, August-Sept. 2001, Vol.34, pp.438-445.
45. A.S. El-Dieb, "Effect of Sorptivity Test Time on the Variation of Test Results," Ain Shams University, Faculty of Engineering Scientific Bulletin, June 1999, Vol.34, No.2, pp.41-51.
46. A.S. El-Dieb, "Chloride Resistance of High Reactive Metakaolin," Ain Shams University, Faculty of Engineering Scientific Bulletin, March 1999, Vol.34, No.1, pp.27-36.
47. A.S. El-Dieb, "Corrosion Resistance of Silica Fume Concrete," Ain Shams University, Faculty of Engineering Scientific Bulletin, March 1999, Vol.34, No.1, pp.37-48.
48. F.A. Shaker, A.S. El-Dieb, M.M. Reda, "Durability of Styrene-Butadiene Latex Modified Concrete," Cement and Concrete Research, May 1997, Vol.27, No.5, pp.711-720. (Corresponding Author)
49. S.H. Okba, A.S. El-Dieb, M.M. Reda, "Evaluation of the Corrosion Resistance of Latex Modified Concrete (LMC)," Cement and Concrete Research, June 1997, Vol.27, No.6, pp.861-868. (Corresponding Author)
50. A.S. El-Dieb, R.D. Hooton, "Water Permeability Measurement of High Performance Concrete Using a High-Pressure Triaxial Cell," Cement and Concrete Research, 1995, Vol.25, No.6, pp. 1199-1208. (Corresponding Author)
51. A.S. El-Dieb, and R.D. Hooton, "A High-Pressure Triaxial Cell with Improved Sensitivity for Saturated Water Permeability of High Performance Concrete," Cement and Concrete Research, 1994, Vol.24, No.5, pp. 854-862. (Corresponding Author)
52. A.S. El-Dieb, R.D. Hooton, "Evaluation of the Katz-Thompson Model for Estimating the Water Permeability of Cement-Based Materials from Mercury Intrusion Porosimetry Data," Cement and Concrete Research, 1994, Vol.24, No.3, pp. 443-455. (Corresponding Author)
53. S.H. Okba, A.S. El-Dieb, "High Strength Concrete by Using Crushed Limestone from Attaqa Quarry," Ain Shams University Faculty of Engineering Scientific Bulletin, 1987, No.20, Vol.1, pp. 228-250. (Corresponding Author)

BOOKS, EDITED BOOKS, and BOOK CHAPTER:

1. A.S. El-Dieb, Mahmoud M. Reda Taha, and Samir I. Abu-Eishah, "The Use of Ceramic Waste Powder (CWP) in Making Eco-Friendly Concrete," Book chapter in Ceramic Materials-Synthesis, Characterization Application, and Recycling, Editor Dolores Eliche Quesada, IntechOpen, March 2019, 35p. ISBN: 978-1-78985-774-0, Print ISBN: 978-1-78985-773-3, pp.66-112 (DOI: 10.5772/intechopen.81842)
2. A.S. El-Dieb, Mahmoud M. Reda Taha, and Shelley L. Lissel, Editors "Performance of Construction Materials in the New Millennium; A New Era of Building," Volume One and Volume Two, Elmaarefa Printing House, 2003, ISBN 977-273-192 and 193, 1480p.
3. A.S. El-Dieb, Mahmoud M. Reda Taha, and Shelley L. Lissel, Editors "Performance of Construction Materials in the New Millennium; A New Era of Building," Abstracts, Elmaarefa Printing House, 2003, ISBN 977-273-191, 258p.
4. A.S. El-Dieb, "Latex-Modified Concrete; Process Technology and Properties", Dar El-Hakim press, 2001, ISBN 977-5248-42-6, 82p.

CONFERENCE PAPERS:

1. S. AlShanti, A.S. El-Dieb, M.A. Maraqa, "Utilization of Sewage Sludge Ash in Self-Compacted Concrete," accepted in the Proceedings of the 6rd International Conference on Civil Structural and Transportation Engineering (ICCSTE'21), Niagara Falls, Canada – May 17-19, 2021-Virtual Conference DOI: 10.11159/iccste21.126 (Corresponding Author)
2. M. Maraqa, A. Aly Hassan, M. Hamouda, H. El-Hassan, A. El-Dieb, Student perceptions of emergency remote civil engineering pedagogy, IEEE Global Engineering Education Conference (EDUCON 2021), 21-23 Apr. 2021, Vienna, Austria (online).
3. O. Najm, H. El-Hassan, A.S. El-Dieb, H. Al Jassmi, "Probabilistic inference approach of predicting concrete

- compressive strength – A Bayesian algorithm,” Proceeding of 5th International Conference on Civil Structures and Transportation Engineering (ICCSTE’20), Canada, Nov. 2020.
4. S. AlShanti, A.S. El-Dieb, M.A. Maraqa, “Potential reuse of sewage sludge ash in the production of self-compacted concrete,” accepted in the 6th International Conference on Construction Materials, Performance, Innovations, and Structural Implications (ConMat’20), Fukuoka, Japan, 27-29 Aug. 2020. (Corresponding Author)
 5. S. AlShanti, A.S. El-Dieb, M.A. Maraqa, “Characterization of Sewage Sludge Ash as affected by Different Incineration Temperature and Time,” The 5th International Conference on Sustainable Construction Materials and Technologies (SCMT5), Kingston University, London, UK, 14-17 Jul. 2019. (Corresponding Author)
 6. S.T. Aly, D.M. Kanaan, A.S. El-Dieb, S. Abu-Eishah, “Properties of Ceramic Waste Powder Based Geopolymer Concrete,” the 16th International Congress on Polymers in Concrete 2018 (ICPIC 2018); Polymers for Resilient and Sustainable Concrete Infrastructure, Washington DC, USA, 29 April – 1 May 2018. (Corresponding Author)
 7. S.T. Aly, D.M. Kanaan, A.S. El-Dieb, M.M. Reda Taha, S. Abu-Eishah, “Ceramic Waste Powder, an Alternative Ingredient for a Greener Concrete,” the 9th International Conference in Structural Engineering and Construction (ISEC-9); Resilient Structures and Sustainable Construction, Valencia, Spain, 24-29 July 2017. (Corresponding Author)
 8. A. Mwafy, A.S. El-Dieb, A. Lazkani, “Behavior of Expansive Concrete-Filled Steel Tubular Columns under Axial Loadings,” the 9th International Conference in Structural Engineering and Construction (ISEC-9); Resilient Structures and Sustainable Construction, Valencia, Spain, 24-29 July 2017.
 9. M.M. El-Gamal, A.S. El-Dieb, K.M. El-Sawy, A.M.I. Sweedan, A.M.O. Mohamed, “Production of Durable and Cost-Effective Sewer Pipes using Petroleum and Industrial Waste By-Products,” International Conference on Advances in Sustainable Construction Materials and Civil Engineering Systems (ASCMCES-17), Sharjah, UAE, 18-20 Apr. 2017. (DOI: 10.1051/mateconf/201712003013)
 10. S.T. Aly, A.S. El-Dieb, M.M. Reda Taha, “Eco-Self-Compacting Concrete with Improved fresh and Durability Characteristics,” the 11th High-Performance Concrete Conference and the 2nd Concrete Innovation Conference, Tromsø, Norway, 6-8 Mar. 2017. (Corresponding Author)
 11. D.M. Kanaan, A.S. El-Dieb, “Ceramic Waste Powder from Landfill to High-Performance Concrete,” the 11th High-Performance Concrete Conference and the 2nd Concrete Innovation Conference, Tromsø, Norway, 6-8 Mar. 2017. (Corresponding Author)
 12. S.T. Aly, A.S. El-Dieb, M.M. Reda Taha, “Properties of High-Performance Self-Compacting Concrete with Recycled Ceramic Waste Powder,” in the ACI-KC 4th International Conference and Exhibition; Smart, Green and Durable Structures, Kuwait, 8-10 Nov. 2016. (Corresponding Author)
 13. D.M. Kanaan, A.S. El-Dieb, “Efficiency of Using CWP as Partial Replacement of Cement in Concrete-Judged by Measured Properties,” in the ACI-KC 4th International Conference and Exhibition; Smart, Green and Durable Structures, Kuwait, 8-10 Nov. 2016. (Corresponding Author)
 14. S.T. Aly, A.S. El-Dieb, Sh.H. Aboubakr, M.M. Reda Taha, “Utilization of Ceramic Waste Powder in Self-Compacting Concrete,” The 4th International Conference on Sustainable Construction Materials and Technologies (SCMT4), Las Vegas, Nevada, USA, 7-11 Aug. 2016. (Corresponding Author) **Best Paper Award**
 15. D.M. Kanaan, A.S. El-Dieb, “Ceramic Waste Powder as an Ingredient to Sustainable Concrete,” in the 4th International Conference on Sustainable Construction Materials and Technologies (SCMT4), Las Vegas, Nevada, USA, 7-11 Aug. 2016. (Corresponding Author) **Best Paper Award**
 16. S.T. Aly, A.S. El-Dieb, M.M. Reda Taha, “Self-Compacting Concrete Incorporating Ceramic Waste Powder,” UAE University Annual Research and Innovation Conference (UAEU-ARIC), Al Ain, UAE, 24-25 Nov. 2015.
 17. M.M. El Gamal, A.S. El-Dieb, K.M. El Sawy, A.M.O. Mohamed, “Application of Modified Sulfur Concrete in the UAE Sewerage Systems,” The 4th International Conference on Chemical and Biological Processes (ICCBP-2015), Dubai, UAE, 22-24 Nov. 2015. (Corresponding Author)
 18. A.S. El-Dieb, D. M. Kanaan, “Ceramic Waste Powder as Supplementary Cementing Material in Concrete Mixtures,” Implementing Innovative Ideas in Structural Engineering and Project Management, The Eighth International Structural Engineering and Construction Conference, Sydney, Australia, Nov. 23-28, 2015, 769-774, doi: 10.14455/ISEC.res.2015.74 (Corresponding Author)
 19. A. Mwafy, A.S. El-Dieb, A. Lazkani, “Experimental Assessment of Concentrically Loaded Pre-stressing Concrete-Filled Steel Tubular Columns,” Implementing Innovative Ideas in Structural Engineering and Project Management, The Eighth International Structural Engineering and Construction Conference, Sydney, Australia, Nov. 23-28, 2015, 93-98, doi: 10.14455/ISEC.res.2015.165
 20. A.S. El-Dieb, T.A. El-Maaddawy, A. Al Sallamin, “Reinforcement Corrosion and Durability Indices of Self-Curing Concrete,” Fifth International Conference on Construction Materials: Performance Innovations and Structural Implications (CONMAT’15), Whistler, Canada, Aug. 19-21, 2015. (Corresponding Author)

21. K. El-Sawy, M. El-Gamal, A.S. El-Dieb, A.O. Mohamed, "Optimization of New Modified Sulfur Concrete (MSC) for Sewer Application," Fifth International Conference on Construction Materials: Performance Innovations and Structural Implications (CONMAT'15), Whistler, Canada, Aug. 19-21, 2015. (Corresponding Author)
22. D. M. Kanaan, A.S. El-Dieb, "Replacement of Portland Cement by Ceramic Waste Powder (CWP)," UAE Graduate Student Research Conference (UAEGSRC2015), Abu Dhabi, UAE, Mar. 22-24, 2015. (Corresponding Author) **Awarded Best Paper in Civil Engineering.**
23. A.M. Belal, H.Z. El-Karmoty, A.A. Abdelrahman, A.S. El-Dieb, H. Bahnasawy, S.H. Okba, "Theoretical and Experimental Study of High-Strength Reinforced Concrete Columns Under Axial and Cyclic Lateral Loads," 1st International Conference on Innovative Building Materials (IBMC14), Cairo, Egypt, Dec. 28-30, 2014, IBMC-110.
24. E.A.A. Khattab, H.Z. El-Karmoty, A.A. Abdelrahman, A.S. El-Dieb, H. Bahnasawy, S.H. Okba, "Theoretical and Experimental Study of Ultra-High-Strength Reinforced Concrete Columns Under Axial Loads," 1st International Conference on Innovative Building Materials (IBMC14), Cairo, Egypt, Dec. 28-30, 2014, IBMC-112.
25. A.S. El-Dieb, I.E. Shehab, "Cementless Concrete Using Ceramic Waste Powder," International Conference on Construction Materials and Structures (ICCMATS), Johannesburg, South Africa, Nov. 24-26, 2014, 487-494. (Corresponding Author)
26. A.S. El-Dieb, T.A. El-Maaddawy, A. Al Sallamin, "Microstructure and Durability Characteristics of Self-Curing Concrete," International Conference on Construction Materials and Structures (ICCMATS), Johannesburg, South Africa, Nov. 24-26, 2014, 276-283. (Corresponding Author)
27. A.S. El-Dieb, T.A. El-Maaddawy, O. Al-Rawashdah, "Shear Behavior Ultra-High-Strength Steel-Fiber-Reinforced Self-Compacting Concrete Beams," International Conference on Construction Materials and Structures (ICCMATS), Johannesburg, South Africa, Nov. 24-26, 2014, 972-979. (Corresponding Author)
28. A.S. E-Dieb, T.A. El-Maaddawy, A. Al Sallamin, A.A. Mahmoud, "Self-Cured Concrete: Performance Assessment and Material Characterization," Concrete Innovation Conference CIC 2014, Oslo, Norway, June 11-13, 2014 (Corresponding Author)
29. A.S. El-Dieb, S.I. Abu-Eishah, M.S. Bedir, "Production of Concrete Using Electric-Arc Furnace Slag (EAFS) as Aggregate," Concrete Innovation Conference CIC 2014, Oslo, Norway, June 11-13, 2014. (Corresponding Author)
30. T.A. El-Maaddawy, A. Bouchair, A. Biddah, A.S. El-Dieb, "Residual Strength of Aging Concrete T-Girders Strengthened with Near-Surface-Mounted Composite System," Proceedings of the International Conference on Ageing of Materials & Structures (AMS'14), Delft 26 – 28 May 2014, The Netherlands, Paper No. 191205.
31. A.S. El-Dieb, T. El-Maaddawy, A. Al Sallamin, A.A. Mahmoud, "Self-Curing Concrete as New Construction Material," The 1st International Conference on Infrastructure Management, Assessment and Rehabilitation Techniques, ICIMART'14, 4-6 March 2014, AUS, Sharjah, UAE. (Corresponding Author)
32. A.S. El-Dieb, "Durability characteristics of ultra-high-strength fiber-reinforced self-compacted concrete," Second Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures (SMAR 2013)", Istanbul, Turkey, Sep. 9-11, 2013.
33. A.S. El-Dieb, A.F.B. Oan, M.M. Abdelwahab, S.H. Okba "Chloride-induced corrosion and bond strength in relation to concrete cover and bar diameter," Second Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures (SMAR 2013)", Istanbul, Turkey, Sep. 9-11, 2013. (Corresponding Author)
34. A.S. El-Dieb, A.F.B. Oan, M.M. Abdelwahab, S.H. Okba, "Influence of Concrete Surface Treatment on Chloride Induced Reinforcement Corrosion Rate," Research, Development & Practice in Structural Engineering & Construction, The 1st Australasia & South-East Asia Structural Engineering & Construction Conference (ASEA-SEC-1), Perth, Australia, 28 Nov.-2 Dec. 2012. (Corresponding Author)
35. T.A. El-Maaddawy, A. Nessibi, A.S. El-Dieb, "Performance of RC Beams Strengthened with Mechanically-Fastened FRP System under Corrosion Environment," Research, Development & Practice in Structural Engineering & Construction, The 1st Australasia & South-East Asia Structural Engineering & Construction Conference (ASEA-SEC-1), Perth, Australia, 28 Nov.-2 Dec. 2012.
36. T. El-Maaddawy, A. Bouchair, A. Biddah, A.S. El-Dieb, "Flexural Behavior of Concrete T-girders Strengthened with NSM Composite System," ASPIC 2012, 7th Asian Symposium on Polymers in Concrete (ASPIC 2012), Istanbul, Turkey, 3-5 Oct. 2012.
37. A.S. El-Dieb, "Diffusion and Resistivity of Ultra-High-Strength Fiber-Reinforced Self-Compacting Concrete (UHS-FR-SCC)," International Congress on Durability of Concrete (ICDC 2012), 18-21 June 2012, Trondheim, Norway.
38. T.A. El-Maaddawy, Amna Nessibi, A.S. El-Dieb, "Effect of Corrosion Exposure on Flexural Behavior of Concrete Beams Strengthened with MF-FRP System: A Pilot Study," ACI-KC 3rd International Conference and Exhibition, Towards the Development of Resilient Sustainable Buildings and Structures, March 26-28, 2012, Kuwait.
39. T.A. El-Maaddawy, A.S. El-Dieb, T.S. Shaikhoun, "Strengthening of Reinforced Concrete Columns Subjected to Biaxial Eccentric Loading with NSM Composite System," Structural Engineering World Congress 2011 (SEWC-

- 2011), 4-6 April 2011, Italy.
40. A.S. El-Dieb, E.M. El-Said, "Behavior of Reinforced Concrete Columns made with Ultra-High-Strength Fiber-Reinforced Self-Compacted Concrete (UHS-FR-SCC)," Modern Methods and Advances in Structural Engineering and Construction, the Sixth International Structural Engineering Conference (ISEC-6), Editors. S.O. Cheung, S. Yazdani, N. Ghafoori & A. Singh, 21-26 June 2011, Zurich, Switzerland, pp.1155-1160. Research Publishing Services (RPS). (Corresponding Author)
 41. A.S. El-Dieb, M.A. El-Gharib, M.A.H. Abdel-Rahman, E.A. Nasr, "Using Electrically Conductive Concrete for Grounding Applications," Modern Methods and Advances in Structural Engineering and Construction, the Sixth International Structural Engineering Conference (ISEC-6), Editors. S.O. Cheung, S. Yazdani, N. Ghafoori & A. Singh, 21-26 June 2011, Zurich, Switzerland, pp.1303-1308. Research Publishing Services (RPS). (Corresponding Author)
 42. A.S. El-Dieb, T.A. El Maaddawy, A.A.M. Mahmoud, "Effect of Water-Soluble Polymers as Self-Curing Agent on Portland Cement Mixes Incorporating Silica Fume," ACI Spring 2010 Convention, Chicago, USA, 21-25 March 2010. (Corresponding Author)
 43. A.S. El-Dieb, A. Biddah, S. Aldajah, A. Hammami, "Long-Term Performance of RC Members Externally Strengthened by FRP Exposed to Different Environments," 11th Arab Structural Engineering Conference (ASEC11), King Fahd University of Petroleum & Minerals (KFUPM), Dhahran, Saudi Arabia, 25-27 Oct. 2009. (Corresponding Author)
 44. A.A. Abdelrahman, A.S. El-Dieb, T.H. Gewaily, and S.H. Okba, "Bond Behavior of Carbon Fiber Sheets to Cracked Concrete," The 9th International Symposium on Fiber Reinforced Polymer Reinforcement for Concrete Structures (FRPRCS-9) – Current Challenges and future trends, Sydney, Australia, 13-15 July 2009. (Corresponding Author)
 45. T.H. Gewaily, A.A. Abdelrahman, A.S. El-Dieb, S.H. Okba, "Bond Characteristics of Carbon Fiber Sheets Used for Strengthening Reinforced Concrete Elements," The Fifth Middle East Symposium on Structural Composites for Infrastructure Applications, Hurgada, Egypt, 23-25 May 2008. (The Egyptian Society of Engineers). (Corresponding Author)
 46. R.H. Abu-Zeyad, A.S. El-Dieb, N.H. Abdel Mutaal, N.H. Amer, "Retrofitting Strengthened Two-Way Solid Slabs Provided with Openings," International Conference on Civil Engineering Design and Construction (Science and Practice), Bulgaria, 14-16 Sept. 2006.
 47. S.H. Okba, E. A. Nasr, A.S. El-Dieb, M.R. Abd El-Megeed, "Effect of Blast-Furnace Slag Replacement Level on Concrete Durability," ICCAE Conference Organized by Military Technical College, Cairo, Egypt, May 2006.
 48. M.M. Reda Taha, M.M. Abdel-Wahab, A.S. El-Dieb, "Rubber Concrete: A New Addition to Polymer Concrete," Third International Conference on Construction Materials: Performance, Innovations & Structural Implications (CONMAT 05), Vancouver, Canada, August 2005. (Corresponding Author)
 49. S.H. Okba, E. Abdel Raouf. Nasr, A.S. El-Dieb, N.N. Sorial, "Performance of Structural Lightweight Concrete Using Air-Cooled Slag and Foam Particles," The 9th Arab Structural Engineering Conference (9ASCE) Emerging Technologies in Structural Engineering, United Arab Emirates University, Nov. 29th – Dec. 1st, 2003, Abu Dhabi, pp.1157-1164. (Corresponding Author)
 50. A.S. El-Dieb, "Performance of Concrete Containing Self-Curing Agent; I-Water Retention and Hydration," Proceedings of The International Conference on Performance of Construction Materials in the New Millennium (ICPCM), Organized by Ain Shams University and The University of Calgary, Cairo, Egypt, 18-20 Feb. 2003, Vol. One, pp.103-112.
 51. A.S. El-Dieb, "Performance of Concrete Containing Self-Curing Agent; II-Moisture Transport," Proceedings of The International Conference on Performance of Construction Materials in the New Millennium (ICPCM), Organized by Ain Shams University and The University of Calgary, Cairo, Egypt, 18-20 Feb. 2003, Vol. One, pp.113-120.
 52. M.M. Reda Taha, A.S. El-Dieb, M.M. Abdel-Wahab, "Fracture Toughness of Concrete Incorporating Rubber Tire Particles", Proceedings of The International Conference on Performance of Construction Materials in the New Millennium (ICPCM), Organized by Ain Shams University and The University of Calgary, Cairo, Egypt, 18-20 Feb., 2003, Vol. One, pp.129-138. (Corresponding Author)
 53. S.H. Okba, A.S. El-Dieb, H.M. El-Shafie, A. Rashad, "Confinement of Circular and Square Reinforced Concrete Columns Using Locally Available Glass Fibre Reinforced Plastic Wraps", Proceedings of The International Conference on Performance of Construction Materials in the New Millennium (ICPCM), Organized by Ain Shams University and The University of Calgary, Cairo, Egypt, 18-20 Feb., 2003, Vol. One, pp.655-664. (Corresponding Author)
 54. S.H. Okba, A.S. El-Dieb, H.M. El-Shafie, A. Rashad, "Evaluation of Corrosion Protection for Reinforced Concrete Wrapped by FRP", Proceedings of The International Conference on Performance of Construction Materials in the New Millennium (ICPCM), Organized by Ain Shams University and The University of Calgary, Cairo, Egypt,

- 18-20 Feb., 2003, Vol. Two, pp.785-794. (Corresponding Author)
55. A.S. El-Dieb, M.M. Abdel-Wahab, A.M. Fathy Abdel-Aziz, "Retrofitting of Corroded Reinforced Concrete Beams Using GFRP Wraps," Proceedings of The Third Middle East Symposium on Structural Composites for Infrastructure Applications (MESC-3), Aswan, Egypt, 17-20 Dec. 2002. (The Egyptian Society of Engineers). (Corresponding Author)
 56. M.M. Reda Taha, A.S. El-Dieb, N.G. Shrive, "Sorptivity: A Surface Absorption Criteria for Brick Units: A Proposal for the Canadian Masonry Standards," Proceeding of the 9th Canadian Masonry Symposium, Fredericton, Canada, 4-6 June 2001.
 57. M.M. Reda Taha, A.S. El-Dieb, N.G. Shrive, "The Theory of Sorptivity and its Application to Masonry Brick Units," Proceeding of The Ninth International Colloquium on Structural and Geotechnical Engineering (9th ICSGE), 10-12 April 2001, Ain Shams University, Cairo, Egypt. (Corresponding Author)
 58. A.S. El-Dieb, M.M. Abdel-Wahab, M.E. Abdel-Hameed, "Concrete Using Rubber Tire Particles as Aggregate," International Symposium on Recycling and Reuse of Used Tyres, 19-20 March 2001, Dundee, Scotland, pp.251-260. (Thomas Telford). (Corresponding Author)
 59. S.H. Okba, A.S. El-Dieb, M.M. Abdel-Wahab, M.E. Abdel-Hameed, "Performance of Concrete Using Rubber Tire Particles," International Symposium on Recycling and Reuse of Used Tyres, 19-20 March 2001, Dundee, Scotland, pp.261-268. (Thomas Telford). (Corresponding Author)
 60. A.S. El-Dieb, M.M. Reda Taha, "Corrosion of Reinforcing Steel in Relation to High Performance Concrete Cover Thickness and Quality," International Symposium on High Performance Concrete - Workability, Strength and Durability, 10-15 Dec. 2000, Hong Kong & Shenzhen, China, Vol.1, pp.195-200. (Corresponding Author)
 61. A.S. El-Dieb, R.D. Hooton, M.D.A. Thomas, "Assessment of Concrete Resistivity," ASCE Middle East Regional Conference on Quality Control of Engineering Projects and the 2nd International Symposium on Environmental Hydrology, Cairo, May 16-18, 1999, pp.229-238. (Corresponding Author)
 62. A.S. El-Dieb, E.A. Nasr and F.A. Shaker, "Effect of Cement Type on the Performance of Styrene-Butadiene Latex Modified Concrete," Proceedings of the Seventh Arab Structural Engineering Conference, Kuwait, Nov. 24-26, 1997, pp.89-98. (Corresponding Author)
 63. A.S. El-Dieb, "Rapid Chloride Permeability Test as a Measure of the Concrete Durability; A Critical Review," The Seventh International Colloquium on Structural and Geotechnical Engineering (7th ICSGE), 17-19 Dec. 1996, Ain Shams University, Cairo, Egypt, Vol.2, pp.377-392.
 64. R.D. Hooton, A.S. El-Dieb, "Evaluation of Water Permeability of High Performance Concrete," International Conference on Concrete Under Severe Conditions, Environment and Loading, Ed. K. Sakai, N. Banthia, and O.E. Gjrv, Sapporo, Japan, Vol. One, Aug. 2-4, 1995, pp. 423-432. (Corresponding Author)
 65. R.D. Hooton, A.S. El-Dieb, "Permeability and Permeability Measurements – Are We any Further Ahead?," Advances in Cement and Concrete, Proceedings of an Engineering Foundation Conference, July 24-29, 1994, Eds. M.W. Grutzeck & S.L. Sarkar, New England, University of Hampshire, Durhan, USA.
 66. A.S. El-Dieb, "Concrete in Hot Weather; A Review," Proceedings of the Fifth International Colloquium on Concrete in Developing Countries, Cairo, Egypt, Jan. 2-6, 1994, Vol.II, pp. 1119-1130.

INVITED SPEAKER:

1. A.S. El-Dieb, "ASTM Standards and UAEU Curriculum," ASTM UAE Chapter launch, 23 Sep. 2019, Dubai, UAE.
2. A.S. El-Dieb, "Concrete Sustainability for Infrastructure," Abu Dhabi Municipality, Department of Municipal Affairs and Transport, 12 April 2017, Abu Dhabi, UAE.
3. A.S. El-Dieb, "Self-Curing Concrete the Next Generation in Construction," the 1st International Conference on Innovative Building Materials, Dec. 28-30, 2014, Cairo, Egypt.
4. A.S. El-Dieb, "Design Life Extension of RC Structures", Dubai Municipality, June 2012, Dubai, UAE.
5. A.S. El-Dieb, "Modern Techniques to Test Concrete", Dubai Municipality, June 2010, Dubai, UAE.
6. A.S. El-Dieb, "Self-Curing Concrete Using Water-Soluble Polymers," Civil Engineering Department, University of New Mexico, Albuquerque, USA, March 26th, 2010.

TECHNICAL REPORTS, THESIS, AND DISSERTATION

1. A.S. El-Dieb and T.A. El Maaddawy, "Durability and Structural Behavior of Self-Curing Concrete Using Water-Soluble Polymers," UAEU-NRF_20911 (31N100), Sept 2014, 19p.
2. A.S. El-Dieb and T.A. El Maaddawy, "Shear Behavior of Ultra-High-Strength Steel-Fiber-Reinforced Self-Compacting Concrete," UAEU-06_34_07_11/10 (31N072), Aug 2014, 15p.
3. A.S. El-Dieb, A. Biddah, T.A. El Maaddawy, and U.A. Ebead, "Design Life Extension of RC Structures," UAEU eFORS, submitted to Dubai Municipality, June 2011, 185p.

4. Saud Aldajah, Ashraf Biddah, Adel Hammami, and A.S. El-Dieb, "Design Guidelines and Long-Term Performance of Concrete Structures Strengthened Using FRP - Fourth Report – Results of Experimental Program (36 Months)", UAEU eFORS, submitted to ADCO, March 2010, 60p.
5. Saud Aldajah, Ashraf Biddah, Adel Hammami, and A.S. El-Dieb, "Design Guidelines and Long-Term Performance of Concrete Structures Strengthened Using FRP – Results of Experimental Testing of Beams Buried in Sabkha Soil for 12 Months", UAEU eFORS, submitted to ADCO, March 2010, 23p.
6. Saud Aldajah, Ashraf Biddah, Adel Hammami, and A.S. El-Dieb, "Research Study Using FRP Materials in Strengthening ADCO's Concrete Structures - Third Report – Results of Experimental Program (18 Months)", UAEU eFORS, submitted to ADCO, Sept. 2008, 60p.
7. A. Hammami, A. Biddah, and A.S. El-Dieb, "The Use of Composite Materials for the Repair and Rehabilitation of Concrete Structures – Measures of Corrosion Control in Concrete Structures," UAE University Centre for Externally Funded Projects (eFors), Jan. 2004, 45p.
8. A. Hammami, A. Biddah, and A.S. El-Dieb, "The Use of Composite Materials for the Repair and Rehabilitation of Concrete Structures – Evaluation and Monitoring of Corrosion Protection by Externally Applied FRP," UAE University Centre for Externally Funded Projects (eFors), Jan. 2004, 38p.
9. A. Hammami, A. Biddah, and A.S. El-Dieb, "The Use of Composite Materials for the Repair and Rehabilitation of Concrete Structures – Repair of Concrete Structures," UAE University Centre for Externally Funded Projects (eFors), Dec. 2003, 90p.
10. A. Hammami, A. Biddah, and A.S. El-Dieb, "The Use of Composite Materials for the Repair and Rehabilitation of Concrete Structures – Fiber Reinforced Composite (FRC) Materials for Concrete Structures Rehabilitation," UAE University Centre for Externally Funded Projects (eFors), June 2003, 98p.
11. A. Hammami, A. Biddah, and A.S. El-Dieb, "The Use of Composite Materials for the Repair and Rehabilitation of Concrete Structures – Inspection and Assessment Report for Jebel Dhanna, Asab and Shah Areas," UAE University Centre for Externally Funded Projects (eFors), May 2003, 42p.
12. S.H. Okba, E.A. Nasr, A.S. El-Dieb, M.A. Khalaf, and M.M. Reda, "Chlorides in Concrete - A Critical Review," Academy of Scientific Research and Technology, Egypt, March 1996, 70p.
13. A.S. El-Dieb, "Permeation of Fluid Through High-Performance Concrete," Ph.D. Thesis, Department of Civil Engineering, University of Toronto, Toronto, Canada, July 1994.
14. A.S. El-Dieb, "High Strength Concrete by Using Crushed Limestone from Local Quarries," M.Sc. Thesis, Department of Structural Engineering, Faculty of Engineering, Ain Shams University, Jan. 1998.

SERVICES ENGAGEMENT

SERVICES AT UAE UNIVERSITY:

I-Department

- Leading the preparation of the Civil Engineering program SSR report for the ABET re-accreditation visit in 2021.
- Chairing the Department Accreditation Committee (AY 2020-2021)
- Chairing the Department Hiring Committee (AY 2020-2021)
- Prepared the application to CAA to increase the Ph.D. students's enrollment cap (AY 2020-2021)
- Led the preparation of the Civil Engineering program assessment reports for the AY 15/16, 17/18, 18/19, 19/20
- Prepared the Department's response to CAA comments (the program received the maximum accreditation period of five years) AY 17/18
- In charge during the CAA accreditation site visit for the B.Sc. and M.Sc. programs(Spring 2017)
- Led the preparation for the CAA accreditation site visit
- Prepared the Department's self-study report for CAA accreditation
- Prepared the Department's response to ABET comments (the program received the maximum accreditation period of six years)
- In charge during the ABET accreditation site visit (Fall 2015)
- Led the Department preparation for the ABET accreditation site visit
- Led the preparation of the Department's self-study report for ABET accreditation
- Led the Department's in preparing courses' E-portfolios
- Led the Department's in updating the program Exit Exam
- Led the Department's preparation of courses and program changes on CurricuNet
- Reviewing and evaluating faculty bi-annual performance
- Review and evaluate staff annual performance reports and achievements
- In charge of laboratories' upgrade and equipment maintenance

- Organized the Department Open-House Days, May 2012, May 2014, April 2016 and April 2019
- Chaired Department Faculty Hiring Committee (3 faculty positions) (AY 15/16, 16/17, 18/19)
- Chairing the Department Promotion Committee (AY 08/09, 09/10, 10/11, 14/15)
- Coordinator of the Civil Engineering Master Program (AY 09/10 (2nd semester), 10/11)
- Chairing the Graduate Studies Committee (AY 09/10, 10/11)
- Chairing the Research Committee (AY 09/10, 10/11)
- Chairing the Laboratories Committee (AY 08/09)
- Member of the Research Committee (AY 11/12, 12/13)
- Member of the ABET re-accreditation committee (AY 08/09, 09/10, 10/11)
- Member of the Laboratories Committee (AY 07/08, 09/10, 10/11, 14/15)
- Member of the Department Promotion Committee (AY 07/08, 11/12, 12/13, 14/15, 15/16, 16/17)
- Providing academic advising to several undergraduate students (2007-present)
- Supervised several students during their industrial training (i.e., internship) (AY 07/08, 08/09, 09/10)
- Acted as Department examiner in industrial training examination (AY 09/10)
- Acted as Department examiner in graduation project examination (AY 07/08, 08/09, 09/10, 10/11, 11/12, 12/13)

II-College

- Provided the Department's and College response to CAA comments on the Ph.D. program (AY 19/20)
- In Charge of the Department during the CAA accreditation visit for the Ph.D. program (Spring 2019)
- Participated in the preparation of the Ph.D. Program SSR for CAA accreditation (AY 17/18 and 18/19)
- Chaired the College Receiving Committee (AY 15/16, 16/17, 17/18)
- Participated in the preparation of the College Strategic Plan Activities
- Provided support to the College during the WASC accreditation visit
- Member of the College Excellence Award Committee (AY 14/15)
- Chaired the College Board as the Acting Dean (AY 13/14)
- Member of the College Academic Performance/ABET Committee (AY 11/12, 12/13)
- Member of the College Board (AY 11/12, 12/13, 15/16, 16/17, 17/18, 18/19, 19/20)
- Member of the College Promotion Committee (AY 07/08, 08/09, 09/10, 10/11)
- Member of the College Research Committee (AY 09/10, 10/11)
- Member of the College Graduate Studies Committee (AY 09/10, 10/11)
- Acted as College representative in graduation project examinations (AY 07/08, 08/09, 09/10, 10/11, 11/12, 12/13, 14/15, 15/16, 16/17, 17/18)
- Acted as College representative in industrial training examinations (AY 09/10)

III-University

- Chairing the Faculty Disciplinary Committee (AY 18/19, 19/20, 20/21)
- Member of the Selection Committee for the Dean of the College of Business (COB), AY 20/21
- Member of the Review Committee of the Dean of the College of Humanities and Social Sciences (AY 19/20)
- Member of the Faculty Disciplinary Committee (AY 16/17, 17/18)
- Provided support to the University during the CAA Institutional accreditation visit and meeting with the CAA team
- Provided support to the University during the WASC accreditation visit and meeting with WASC team
- Member of the FMD committee to evaluate proposals for UAEU Daycare & Early Learning Center project (AY 14/15)
- Member of the Periodic Program Review Team to review the Master of Science Program in Electrical Engineering (2015)
- Member of the University Faculty Excellence Award (AY 14/15, 15/16)
- Member of the University Academic Council (AY 13/14)
- Member of the University Dean's Group (AY 13/14)
- Review of research papers for Best Research Award of the 10th Annual Research Conference, UAEU, April 2009.
- Review of research papers for Best Research Award of the 9th Annual Research Conference, UAEU, April 2008.
- Chairing final examination committee for proctoring General Education exam Fall 2007 and Fall 2008.
- Chairing the Scientific Innovation Judge Committee in the 6th Cultural & Scientific competition week for GCC Higher Education Institutes organized by UAEU, Nov 2007

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:

- Member of the American Society for Civil Engineers (ASTM)
- Member of the Prestressed/Precast Concrete Institute (PCI)
- Professional Engineer and Member of the Egyptian Engineers Syndicate

- Member of the Egyptian Society of Engineers (ESE/Civil)
- Member of the American Concrete Institute (ACI)
- Member of the American Society of Civil Engineers (ASCE)
- Member of the ASCE Construction Institute (CI/ASCE)

MEMBERSHIP IN INTERNATIONAL TECHNICAL COMMITTEES:

- Member of the ASTM International Advisory Council, of the ASTM UAE Chapter since 2019
- Member of the PCI International activity committee (2014)
- Member of the Egyptian Code for Design and Construction of RC structures, concrete materials sub-committee, since 2005 till present.
- Member of the Egyptian Code committee for Ready-Mixed Concrete (2005-2010)
- Member of the Egyptian Code Committee for Self-Compacting Concrete (2005-2010)
- Member of the Egyptian Code Committee for Fiber Reinforced Composites (FRP) Materials section (2005-2010)
- Member of the Egyptian Concrete Code, sub-committee for Aggregate testing (2005-2010)
- Member of the fib Commission 8 Task Group TG 8.4 (Life Cycle Cost (LCC)-Design life) (2014-present)

REVIEWER OF FACULTY PROMOTION:

- Conducted the evaluation of 12 promotion cases in the Civil & Environmental Engineering Department; 7 promotion cases to the rank of Associate Professor and 5 promotion cases to the rank of Professor (2008-2016)
- Prepared the Department's appraisal evaluation, as Department Chair, for 15 promotion cases in the Civil & Environmental Engineering Department; 10 promotion cases to the rank of Associate Professor and 5 promotion cases to the rank of Professor (AY 2011-2013 & 2015-2021)
- Acted as an external reviewer of two promotion cases to the rank of Associate Professor for the University of Um Al Qurah, KSA (2020, 2014)

REVIEW OF ACADEMIC PROGRAMS:

- Evaluating the proposed Master of Science Engineering (M.Sc.) Program in Civil Engineering, College of Engineering, King Faisal University, KSA (May 2017)
- Evaluating the proposed Master of Engineering (M.Eng.) Program (non-thesis) in Civil Engineering, College of Engineering, King Faisal University, KSA (May 2017)
- Selected as Internal Reviewer for the Periodic Program Review (PPR) committee for the Master of Science in Electrical Engineering (2015)

REVIEWER FOR INTERNATIONAL RESEARCH FUNDING INSTITUTIONS & AGENCIES:

- Mitacs Accelerate, Canada Network of Centers of Excellence (2018)
- King Fahad University for Minerals and Petroleum (KFUMP), KSA (reviewed 19 proposals and 6 final reports) (2009-2017)
- South Africa National Research Foundation (NRF), South Africa (2008-2009)

EDITORIAL BOARD MEMBERSHIP AND REVIEWER FOR INTERNATIONAL JOURNALS:

I-Editorial Membership

- Associate Editor, ASCE Journal of Materials in Civil Engineering
- Editor, International Journal of Material Science and Research
- Editor-in-chief of MOJCE Journal, Medcrave Online Journal (Since 2016)
- Associate Editor, IST Transactions of Civil Engineering and Construction Management, IST Press Canada (Since 2011)

II-Reviewer for International Journals

- ACI Materials Journal (American Concrete Institute, USA)
- ACI Structural Journal (American Concrete Institute, USA)
- Arabian Journal of Science and Engineering (Springer)
- ASCE Journal of Materials in Civil Engineering (American Society for Civil Engineers, USA)
- ASEJ-Ain Shams Engineering Journal (Elsevier)
- ASTM Advances in Civil Engineering Materials (American Society for Testing & Materials)
- Canadian Journal of Civil Engineering (CSCE, Canada)
- Case Studies in Construction Materials (Elsevier)

- Cement and Concrete Composites (Elsevier)
- Computers and Concrete (Techno Press)
- Construction and Building Materials (Elsevier)
- ICE Advances in Cement Research (Institute of Civil Engineering, UK)
- ICE Construction Materials (Institute of Civil Engineering, UK)
- ICE Journal of Environmental Engineering & Science (Institute of Civil Engineering, UK)
- International Journal of Concrete Structures and Materials (Springer)
- International Journal of Sustainable Energy (Taylor and Francis)
- Journal of Applied Biomaterials & Functional Materials (SAGE)
- Journal of Building Engineering (Elsevier)
- Journal of Cleaner Production (Elsevier)
- Journal of Composite Materials (SAGE)
- Journal of Composite Materials (SAGE)
- Journal of Korean Society of Civil Engineers (KSCE) (Springer)
- Journal of Natural Gas Science and Engineering (Elsevier)
- Materials and Design (Elsevier)
- Materials and Structures (Springer)
- Science Nature – Applied Sciences (Springer)

MEMBER OF SCIENTIFIC/ORGANIZING COMMITTEES OF INTERNATIONAL CONFERENCES:

- Invited to the organizing committee of the 17th International Conference of Nanostructured Materials (NANO2024) to be organized by HCT, in UAE 2024
- The 6th International on Conferences Construction Materials (ConMat'20) - Performance, Innovations and Structural Implications, organized by Japan Concrete Institute (JCI), Fukuoka, Japan, Aug. 2020 (Reviewed 2 papers)
- The 3rd International Conference on Infrastructure Management Assessment & Rehabilitation Techniques (ICIMART19), organized by AUS, 5-7 Mar. 2019
- The 15th International Conference on Structural & Geotechnical Engineering, 2018, organized by Ain Shams University, Cairo, Egypt, 18-20 Dec. 2018 (Reviewed 2 papers)
- The 16th International Congress on Polymers in Concrete (ICPIC 2018), May-Apr. 2018, organized by the University of New Mexico and George Mason University (Reviewed 5 papers)
- The 9th International Conference in Structural Engineering and Construction (ISEC-9), organized by ISEC, July 2017, Valencia, Spain (Reviewed 3 papers)
- The 2nd International Conference on Infrastructure Management Assessment & Rehabilitation Techniques (ICIMART16), organized by AUS, 8-10 Mar. 2016 (Reviewed 1 paper)
- The 14th International Conference for Structural and Geotechnical Conference, 2015, organized by Ain Shams University Cairo, Egypt, 20-22 Dec. 2015 (Reviewed 6 papers)
- Asia Pacific Conference on Civil, Structural & Transportation Engineering, Dubai, UAE, 16-17 Nov. 2015 (Reviewed 2 papers)
- The 2nd PCI International Symposium, organized by Prestressed/Precast Concrete Institute (PCI) and e-Construct, Dubai, UAE, 19-22 Jan. 2015 (Reviewed 2 papers)
- The 1st International Conference on Innovative Building Materials, organized by National Housing and Building Research Center (HBRC), Cairo, Egypt, 28-30 Dec. 2014 (Reviewed 4 papers)
- The International Conference on Construction Materials & Structures (ICCMATS14), organized by the University of Johannesburg, South Africa, 24-26 Nov. 2014 (Reviewed 4 papers)
- The 1st International Conference on Infrastructure Management Assessment & Rehabilitation Techniques (ICIMART14), organized by AUS, 4-6 Mar. 2014 (Reviewed 1 paper)
- Symposium and Exhibition on Quality Control Laboratories in Structural Projects, organized by the Ministry of Municipalities, Riyadh, KSA, 22-33 Apr. 2013 (Member of the Best Papers Award committee)
- The 2nd International Structures Specialty Conference (ISSC-2), Winnipeg, Manitoba, Canada, June 2010 (Reviewed 2 papers).
- The 13 International Colloquium on Structural and Geotechnical Engineering (ICSGE-13), Cairo, Egypt, Dec 2009 (Reviewed 6 papers).
- The 11th Arab Structural Engineering Conference (ASEC-11), KSA, 2009.
- The Fifth Middle East Symposium on Structural Composites for Infrastructure Applications (MESC-5), Hurgada, Egypt, May 2008 (Reviewed 5 papers).
- The International Conference on Performance of Construction Materials in the New Millennium: A New Era of Building (ICPCM2003), organized by MRC at Ain Shams University and Calgary University, 18-20 Feb. 2003

CHAIRING TECHNICAL SESSIONS IN INTERNATIONAL CONFERENCES:

- Chairing a technical session in the 16th International Congress on Polymers in Concrete (ICPIC 2018), organized by the University of New Mexico and George Mason University, 29 May-2 Apr. 2018
- Chairing a keynote session in the 2nd PCI International Symposium, organized by Prestressed/Precast Concrete Institute (PCI) and e-Construct, Dubai, UAE, 19-22 Jan. 2015.
- Chairing a technical session in the International Conference on Construction Materials & Structures (ICCMATS14), organized by the University of Johannesburg, South Africa, 24-26 Nov. 2014
- Chairing technical session in Symposium and Exhibition on Quality Control Laboratories in Structural Projects, organized by Ministry of Municipalities, Riyadh, KSA, 22-33 Apr. 2013
- Chairing a keynote session in the 1st Australasia & South-East Asia Structural Engineering & Construction Conference (ASEA-SEC-1), organized by ISEC, Perth, Australia, 28 Nov.-2 Dec. 2012.
- Chairing a technical session in the 10th Annual UAEU Research Conference, 13-15 Apr. 2009
- Chairing technical session at the Fifth Middle East Symposium on Structural Composites for Infrastructure Applications (MESC-5), organized by Ain Shams University, Egypt, May 2008 (Conference secretary, Editor of Conference proceedings, and reviewed 8 papers).

DELIVERING/ORGANIZING TRAINING COURSES, SEMINARS & WORKSHOPS:

- Organized the ASTM UAE Chapter first meeting and presentations to students at UAEU, 28 Jan. 2020.
- Organized a seminar to CEED faculty members on "Blended learning in Civil Engineering Courses, using Blackboard Collaborate Ultra," delivered by Dr. Hilal El Hassan, 12 Mar. 2020.
- Organized a seminar to CEED faculty members on "New Online Assessment Portal LOAMS," delivered by Dr. Ashraf A. Hassan, 21 Nov. 2019.
- Organized a seminar to CEED students on "Leica Geosystems Technology and Products," delivered by Eng. Rana Rezk Omran and Eng. Murali Mohan from Leica Geosystems, UAE, 22 Apr. 2019.
- Organized a seminar to CEED faculty members and Senior students on "Construction Chemicals," delivered by Eng. Moheb Malak from FOSCROC UAE, 25 Mar. 2019.
- Organized a seminar to CEED faculty members and students on "Introduction to White Cement & its Applications seminar," delivered by Eng. Mohamed Elassi from JK White Cement UAE, 1 Oct. 2018.
- Organized a seminar to CEED faculty members on "TEKLA-Construction Technology Solutions," delivered by Trimble Middle East-Building and Construction, 19 Sep. 2016.
- Organized a seminar to CEED on "The Construction of Hazaa Bin Zayed Stadium with Reference to FIFA World Cup Stadiums in South Africa and Germany," delivered by Steven Wilbreninck (Product Manager Stadiums, BAM International-Regional Office, Dubai), 25 Nov. 2015.
- Organized a seminar to CEED faculty and students on "Sustainable Design and Retrofit of Energy-Efficient Buildings," delivered by Prof. Ahmad Hamid (Prof. & Director of the Masonry Research Lab, Drexel University, USA), Feb. 2012.
- Delivered a seminar on "Modern Techniques to Test Concrete," Organized by eFORS UAEU for Dubai Municipality, 10 June 2010.
- Organized a seminar for CEED faculty members on "MIMIO New Interactive Teaching System," delivered by BCL LLC, 22 Oct. 2009
- Organized a seminar for CEED on "A survey Research on Recent Progress of FRPs for Civil Engineering Construction Applications" delivered by M. Arockiasamy (Prof. of Civil and Ocean Engineering, Director of Center for Infrastructure and Constructed Facilities, Florida Atlantic Univ., USA), 4 March 2009.
- Delivered a workshop on "Maintenance, Repair and Strengthening of Concrete Structures," Organized by the Civil & Environmental Engineering Student Society (Male Section), Civil & Environmental Engineering Department, UAEU, Al Ain, 5-7 May 2008.
- Delivered a hands-on training for Al Ain Municipality engineers in the Civil Engineering laboratories, UAEU, 1-5 March 2008.
- Delivered a workshop on "Maintenance, Repair, and Strengthening of Concrete Structures," Organized by the Civil & Environmental Engineering Student Society (Female section), Civil & Environmental Engineering Department, UAEU, Al Ain, 18-20 Nov. 2007.
- Delivered a training course for engineers "Concrete Technology," organized by National Consulting Bureau NCB, Cairo, 20-24 March 2004.
- Delivered a training course for engineers "Bill of Quantities and Specifications for Concrete Structures," organized by National Consulting Bureau NCB, Kuwait, 18-22 Oct. 2003.
- Delivered a training course for engineers "Advanced Materials for Construction & Repair of Concrete Structures," organized by PROJACS, DUBAI, UAE, 7-11 June 2003.
- Delivered a training course for engineers "Advanced Materials for Construction & Repair of Concrete Structures," organized by PROJACS, Dubai, UAE, 5-9 Oct. 2002.

- Delivered a training course for engineers “Quality Control for Construction Materials,” organized by National Consulting Bureau NCB, Cairo, Egypt, 14-18 Dec. 2002.
- Delivered a training course on “Specials Topics” delivered to engineers at the Ministry of Public Works and Water Resources & Irrigation Improvement Project Site Supervision of Construction (CON-3), organized by Mott MacDonald, Cairo, Egypt, 11–12 Sept. 2001. Topics included:
 - Construction materials testing
 - Specifications and standards
- Delivered a training course on “Specials Topics” delivered to engineers at the National Authority for Roads and Bridges - Department of Training Center during the period 1999-2001, Cairo, Egypt. Lecture topics include:
 - Materials and Construction of Roads
 - Laboratory Testing
 - Deterioration Causes of Reinforced Concrete Bridges
 - Evaluation and Repair of Reinforced Concrete Bridges
 - Concrete Mix Design
- Delivered a training course on “Special Topics” delivered to newly graduated engineers at the National Authority for School Buildings - Training Center during the period 1999-2006. Lecture topics include:
 - Laboratory Testing and Laboratory Training
 - Evaluation and Repair of Reinforced Concrete Buildings
 - Non Destructive Testing

CONSULTING SERVICES:

I-At UAE University (2007-Present)

- Consultation service to TARGET Construction Company: Chairing a technical committee composed of faculty members from CEED (Dr. Aman Mwafy) to evaluate cracks/cold joints in the concrete raft and the retaining wall of the project ADNOC New Medical Center, Abu Dhabi, Project No. 7011, 2016
- Consultation service to Ocean Ready Mix & Pre-Cast: Influence of moist curing on concrete compressive strength: Review of international provisions and experimental evidence (PI Dr. Tamer El Maaddawy) 2014.
- Consultation service to Bouygues-TARGET JV, Dubai: Chairing a technical committee composed of faculty members from CEED (Dr. T.A. El Maaddawy and Dr. B. El Ariss) to investigate water leakage in the 3rd basement of Ritz Carlton Hotel – DIFC, Dubai, 2012
- Consultation service to BASF-The Chemical Company-Dubai, Evaluating the test results conducted on MASTERPREN BG 2mm thick polyvinyl chloride (PVC) sheet membrane according to the ASTM D1894 Standard Test Methods of Static and Kinetic Coefficients of Friction of Plastic Film and Sheeting, project Baraka Nuclear Power Plant Unit 1 & 2 Abu Dhabi, 2012.
- Conducting tests and preparing a technical report for TESSCO-Technical Engineering & Scientific Studies Co. Ltd. On the physical and compressive strength of wood samples for the project: Irrigation system and beautification of public areas in the western section of Abu Dhabi, 2011
- Consultation service: Chairing a technical committee composed of faculty members from CEED (Dr. Tamer El Maaddawy) to evaluate the cause of fence collapse of the Dubai National School in Barsha, Dubai, 2010
- Consultation service: member of a technical committee composed of faculty members from CEED (Dr. Ashraf Biddah, Dr. Amr Sweedan, Dr. Tamer El Maaddawy, and Dr. Aman Mwafy) to evaluate the cause of the collapse of the Panorama Building in Al Hair, Dubai, 2009
- Consultation service: to evaluate the cause of painting fall from a high-rise building in Umm Al Quwain, 2009
- Chairing a technical committee to evaluate the cause of roof collapse during construction in Al Tawia, AL Ain and submitting the report to the court, 2008

II-At Ain Shams University (1983-2007)

Period 2005 to 2007

- Consultant of Quality Control, the National Authority for School Buildings, Quality Control Department

Period 1998 to 2007

As a member of the Properties and Testing of Materials Research Centre (MRC), Faculty of Engineering, Ain Shams University, Cairo, Egypt:

- Testing & evaluating concrete strength for columns in the Golden Pyramids Plaza (Building A2), Egypt, for Bechtel Buildings & Infrastructure Development.
- Testing & evaluating fire damaged Information Centre, for Civil Aviation Sector at the Ministry of Transportation.
- Quality Control specialist for Talaat Associates Consultants & Engineers, Project of Cairo Regional Control Centre (CRCC), Egyptian Electricity Authority, General Contractor; Siemens - USA.
- Participating in setting the Concrete Technical Specifications of the South Valley Development Project, Sheikh

Zayed Canal, Branch 3, for Darwish Consulting Engineers & ARCADIS Euroconsult.

- Quality Control specialist for Ransy Contractor Co., Projects of Shopping Center at 6th of October City & Housing Complex at El-Obour City.
- Quality Control specialist for El-Hasan Contractor Co., Project of Shopping Centre at Maady, Cairo.
- Evaluating reinforced concrete structures at the Housing Complex Phase (2) in Shoiba, Saudi Arabia (Owner; Water Desalination Inc. in Saudi Arabia) for Talaat Associates Consultants & Engineers.
- Testing & evaluating reinforced concrete structures (management building & fire damaged hanger at the GlaxoWelcome Egypt Factory, for Talaat Associates Consultants & Engineers.
- Testing & evaluating reinforced concrete structures at the La-Birilla Resort, Sharm El-Sheikh, Egypt, for El-Ibrahimia Contractors & Owner.
- Testing & evaluating reinforced concrete structures at the El-Gamhood School, Beni Swief, Egypt, for El-Bahr El-Ahmar National Contractor Co.
- Testing & evaluating pedestrian steel bridge (Owner; Americana Co.), for Arab Contractor Co.
- Testing & evaluating reinforced concrete structures at the El-Nahda Housing Complex (2200 units), for El-Nasr Co. for Construction & Housing (EGYCO).
- Testing & evaluating reinforced concrete at the N.A. Tunnel in the Belt Road Cairo, for El-Nasr Co. for Construction & Housing (EGYCO).
- Concrete and materials specialist and consultant for CMC/BESIX; Project of El-Salam Siphon under Suez Canal, Port Said, Egypt.

1983-1990

A Quality Control Engineer, at the Properties and Testing of Materials Laboratory, Department of Structural Engineering, Ain Shams University Faculty of Engineering, Cairo, Egypt. Duties included:

- Testing concrete materials; fine and coarse aggregate, cement, admixtures new additives for concrete and reinforcing bars
- Testing different construction materials; masonry block units, rocks, water & sewage pipes, insulating materials, joint filling materials, and epoxy resins
- Testing hardened concrete for compressive, tensile, flexural and bond strengths
- Concrete mix design
- Calibrating testing machines and concrete ready mix plants
- Evaluating damaged structures or structures under construction
- Site visits for collecting concrete materials samples and concrete specimens, conducting non-destructive tests and operating full-scale structure load tests (concrete & steel bridges and multi-story buildings)
- Writing reports of test results, conclusions, and recommendations

1983-1990

- Part-time structural designer of concrete structures for several designing and consulting firms.