

## ***RESUME***

**Dr. Naser Abdul-Rahman Al-Shayea**  
*Associate Professor*  
 Civil Engineering Department  
 College of Engineering Sciences

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**Dr. Naser Abdul-Rahman Al-Shayea**

*Associate Professor,*  
Civil Engineering Department,  
KFUPM, Box: 368,  
Dhahran 31261, Saudi Arabia.

Tel.: 03-860-2480 (O) 03-860-2550 (Sec.) 03-860-5034 (H)

Fax.: 03-860-2879 (O)

URL: <http://users.kfupm.edu.sa/CE/nshayea>

E-Mail: [nshayea@kfupm.edu.sa](mailto:nshayea@kfupm.edu.sa)

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**OBJECTIVES**

**CIVIL ENGINEERING**

**1. GEOTECHNICAL ENGINEERING:** Spectral-Analysis-of-Surface-Waves Method, Geophysical Applications in Geotechnical Engineering, Dynamics of Soils, Soil-Pipeline Interaction, Earthquake Engineering, Vibrations and Isolation of Foundations, Advanced Geotechnical Testing (Lab. and In-Situ), Site Characterization, Detection of Subsurface Cavities, Ground Penetrating Radar, Geoenvironmental Engineering, Engineering Geology, Soil Behavior, Soil and Rock Mechanics, Expansive Soils, Wind-Blown Sand, Soil Stabilization and Improvement, Foundation Engineering, Tunneling and Excavation Engineering, Modeling of Geomaterials, Computer Applications in Geotechnical Engineering.

**2. STRUCTURAL ENGINEERING:** Structural Dynamics, Vibrations of Structures, Plates and Shells, Stability of Structures, Design of Bridges, Steel Structures, Prestressed and Reinforced Concrete, Soil-Structure Interaction, Finite Element Method, Fracture and Damage Mechanics, Computer Applications in Structural Engineering.

**HIGHER EDUCATION**

Course Design and Curriculum Development, Teaching-Learning Processes, Learning Styles for Various Academic Disciplines, Psychological Basis of Postsecondary Education, Student Behavior and Management, Academic Advising, Human Resource Development, Personnel Administration, Testing and Measurements, Teaching And Learning Skills, Admission Tests, Time management.

**COMPUTER PROGRAMMING**

Development of Engineering Applications in FORTRAN and Visual Basic Languages

**PERSONAL**

Nationality	Saudi
Date of Birth	December, 31, 1959
Date of Appointment at KFUPM	July 07, 1982 (16 Ramadhan, 1402H)
Martial Status	Married
No. of Children	Two
Language	Arabic and English

## EDUCATION

- June 02, 1994      **Ph. D. (Civil Engineering-Geotechnical)**, The University of Michigan, Ann Arbor, Michigan, USA, with GPA =7.750 (A+ =9, A=8, A- =7, ...etc.).
- April, 29, 1993      **M. S. in Engineering (Civil Engineering-Geotechnical)**, The University of Michigan (U of M), Ann Arbor, MI, USA.
- September 1991 to May 1992      **Taking Graduate Courses in Higher Education**, School of Education, U of M, Ann Arbor, MI, USA.  
ED 564: Human Resource Development in Postsecondary Education.  
ED 662: Psychological Basis of Postsecondary Education.  
ED 762: Curriculum in Postsecondary Education.  
ED 861: Administrative Behavior and Personnel Administration.
- Spring, 1990      **Candidate in Philosophy (Civil Engineering)**, U of M, Ann Arbor, MI, USA.
- October 20, 1988      **Applicant for The Ph. D. Degree**, Civil Engineering Department, U of M, Ann Arbor, MI, USA.
- January 09, 1985      **M. S. in Civil Engineering (Structures)**, University of Petroleum & Minerals, Dhahran, Saudi Arabia, with GPA =3.888 (A=4).
- June 17, 1982      **B. S. in Civil Engineering**, University of Petroleum & Minerals, Dhahran, Saudi Arabia, with HIGH HONORS, GPA =3.710 (A=4).

## ACADEMIC EMPLOYMENT

- July 9, 2000 to Present      **KING FAHD UNIVERSITY OF PETROLEUM & MINERALS, DHAHRAN, SAUDI ARABIA.** Associate Professor, Civil Engineering Department.
- October 15, 1994 to July 9, 2000      **KING FAHD UNIVERSITY OF PETROLEUM & MINERALS, DHAHRAN, SAUDI ARABIA.** Assistant Professor, Civil Engineering Department.
- July 17, 1994 to October 15, 1994      **KING FAHD UNIVERSITY OF PETROLEUM & MINERALS, DHAHRAN, SAUDI ARABIA.** Lecturer (*Assistant Professor Applicant*), Civil Engineering Department.
- September, 1, 1992 to December 31, 1993      **THE UNIVERSITY OF MICHIGAN, ANN ARBOR, MI, USA.** Graduate Student Research Assistant, Civil and Environmental Engineering Department, College of Engineering.
- September, 1987 to July 17, 1994      **KING FAHD UNIVERSITY OF PETROLEUM & MINERALS, DHAHRAN, SAUDI ARABIA.** Lecturer (*on leave for Ph. D. studies in Geotechnical Engineering at The University of Michigan*), Civil Engineering Department.
- January, 1985 to September 1987      **UNIVERSITY OF PETROLEUM & MINERALS, DHAHRAN, SAUDI ARABIA.** Lecturer, Civil Engineering Department.
- July 07, 1982 to January, 1985      **UNIVERSITY OF PETROLEUM & MINERALS, DHAHRAN, SAUDI ARABIA.** Graduate Assistant, Civil Engineering Department.

## TRAINING

- May 04-23, 2004 Attended a workshop "**Computer Graphics using AutoCAD**", Organized by Civil Engineering Department, KFUPM, Dhahran, Saudi Arabia.
- April 12 - 13, 2004 **Strategic Planning**, A workshop Organized by Deanship of Academic Development (DAD), KFUPM, Dhahran, Saudi Arabia.
- September 07 - 10, 2003 **Critical Thinking**, A workshop Organized by Deanship of Academic Development (DAD), KFUPM, Dhahran, Saudi Arabia.
- July 27-29, 2003 **Effective Presentation**, A workshop Organized by Deanship of Academic Development (DAD), KFUPM, Dhahran, Saudi Arabia.
- September 09 - 11, 2002 **Increasing Effectiveness as a University Teacher**, A workshop Organized by Academic Development Center (ADC), KFUPM, Dhahran, Saudi Arabia.
- September 07 - 08, 2002 **How to be an Effective University Teacher**, A workshop Organized by Academic Development Center (ADC), KFUPM, Dhahran, Saudi Arabia.
- April 07 - 16, 2002 **Striving for Excellence in University Teaching and Learning - III**, A workshop Organized by Academic Development Center (ADC), KFUPM, Dhahran, Saudi Arabia.
- Oct. 23–Nov.13, 2001 **Workshop on Web C T**, A Short Course Organized by Academic Development Center (ADC), KFUPM, Dhahran, Saudi Arabia.
- September 23, 2001 **Nondestructive Testing for Engineers**, A workshop Organized by Saudi Arabian Section of American Society for Nondestructive Testing and Bahrain Society of Engineers, Bahrain.
- September 23, 2001 **NDT Personnel Certification – Its Benefits and Problems**, A workshop Organized by Saudi Arabian Section of American Society for Nondestructive Testing and Bahrain Society of Engineers, Bahrain.
- September 10, 2001 **The 4<sup>th</sup> International Workshop on The Application of Geophysics to Rock Engineering**, A workshop Organized by International Society for Rock Mechanics (ISRM), Beijing, China.
- August 27 - 29, 2001 **Striving for Excellence in University Teaching and Learning - II**, A workshop Organized by Academic Development Center (ADC), KFUPM, Dhahran, Saudi Arabia.
- August 26 - 27, 2001 **Preparing to Teach: Instructional Development Program for Recently Appointed Faculty**, A workshop Organized by Academic Development Center (ADC), KFUPM, Dhahran, Saudi Arabia.
- April 28 – May 01, 2001 **Striving for Excellence in University Teaching - I**, A workshop Organized by Academic Development Center (ADC), KFUPM, Dhahran, Saudi Arabia.
- March 26-27, 2001 **Soil Dynamics in Engineering Practice**, A Short Course Presented by Department of Civil Engineering, Continuing Education, University of Missouri-Rolla, Held in San Diego, CA, USA.
- March 21, 2001 **Web Page Design & Publication**, A Seminar Organized by KFUPM Webmaster , ITC, KFUPM, Dhahran, Saudi Arabia.
- Feb. 13, 2001 **Designing a Home Page Using MS FrontPage**, A Seminar Organized by Department of Civil Engineering, KFUPM, Dhahran, Saudi Arabia.

- January 21, 2001 **Workshop on Web C T**, A Short Course Organized by Academic Development Center (ADC), KFUPM, Dhahran, Saudi Arabia.
- November 4-8, 2000 **Workshop on Instructional Technology**, A Short Course Organized by Academic Development Center (ADC), KFUPM, Dhahran, Saudi Arabia.
- August 28-30, 2000 **Workshop on Teaching, Learning, Curriculum, and Assessment**, A Short Course Organized by Academic Development Center (ADC), KFUPM, Dhahran, Saudi Arabia.
- April 10-14, 1999 **Programming in Visual Basic**, A Short Course Organized by Information Technology Center (ITC), KFUPM, Dhahran, Saudi Arabia.
- November 15, 1998 **Criterion-References Testing As Compared Norm-References Testing**, A Workshop Organized by Testing and Evaluation Center, KFUPM, Dhahran, Saudi Arabia.
- November 1, 1998 **Teaching Courses Incorporating Projects: Facing The Challenge**, a Workshop Organized by KFUPM, Dhahran, Saudi Arabia.
- August 24-28, 1998 **Workshop for KFUPM on Test Development, Production and Analysis**, A Short Course Organized by and held at, Education Testing Services (ETS), Princeton, NJ, USA.
- August 17-21, 1998 **Nonlinear Finite Element Analysis**, A Short Course Taught by T.J.R. Hughes and T. Belyteschko, Organized by ZACE Services Ltd-ICE Division, Lausanne, Switzerland, Held in Berlin, Germany.
- June 29 – July 3 1998 **Testing for Rock Geophysics**, a Training Organized by Direction Géophysique, Géophysique et Instrumentaion Laboratoires, Institut Francais Du Pétrole (IFP), Rueil-Malmaison Cedex, France.
- May 26, 1998 **Ultrasonic Nondestructive Testing (NDT) of Materials - Latest Know-How**, a Workshop Organized by Electrical Engineering Department, KFUPM, Dhahran, Saudi Arabia.
- May 17-20, 1998 **Test Development and Modern Techniques of Test Analysis**, A Short Course Organized by Testing and Evaluation Center, KFUPM, Dhahran, Saudi Arabia.
- Nov. 10- Dec.31, 1997 **Acoustics of Sedimentary Rocks**, An Intensive Short Course, Petroleum Engineering Section, Petroleum & Gas Technology Division, The Research Institute, KFUPM, Dhahran, Saudi Arabia.
- December 6-8, 1997 **Effective Teaching**, Short Course Organized by Mechanical Engineering Department, KFUPM, Dhahran, Saudi Arabia.
- September 15-17, 1997 **The Scaled Boundary Finite-Element Method for Unbounded and Bounded Media**, Short Course Taught at Laboratory of Hydraulic Constructions, Department of Civil Engineering, The Swiss Federal Institute of Technology (EPFL), Lausanne, Switzerland.
- January 11-19, 1997 **Introduction to Windows95 and the KFUPM Network (for Faculty)**, Short Course Organized by Academic Computing Services (ACS), Information Technology Center (ITC), KFUPM, Dhahran, Saudi Arabia.
  - Windows95 environment and networking.
  - Applications: MS Word 7, MS Powerpoint 7 &, and MS Excel 7.
  - Unix and E-mail.
  - KFUPM Network: Resources, Sharing, and Printing.
- September 12, 1996 **Total Quality Management (TQM)**, Training Program Conducted by The Central Area Design Services, Central Area Projects Design & Construction Department, Saudi Arabian Oil Company (Saudi ARAMCO), Dammam, Saudi Arabia.

- April 20-22, 1996 **Academic Advising**, Short Course Organized by Academic Development Center, Deanship of Educational Services, KFUPM, Dhahran, Saudi Arabia.
- 1994-1995 **PC and Mainframe Computers Workshops & Seminars**, Conducted by Academic Computing Services (ACS), Data Processing Center (DPC), KFUPM, Dhahran, Saudi Arabia.
  - VM and Networks.
  - Introduction to UNIX, Gulfnet, and E-Mail.
  - Mathematica, and Latex.
- March 26, 1994 **Introduction to Applied Geophysics**, Short course sponsored by Environmental and Engineering Geophysics Society, Boston, MA, USA.
- 1993-1994 **UNIX Computer Workshops**, Conducted by Computer Aided Engineering Network (CAEN), The University of Michigan (U of M), Ann Arbor, MI, USA.
  - Introduction to UNIX, Internet, E-Mail, and FrameMaker
  - Symbolic Mathematics Processing with Mathematica and Maple V
- 1993-1994 **DOS/Windows-Based Computer Workshops**, Conducted by The Information Technology Division (ITD), U of M, Ann Arbor, MI, USA.
  - MS-DOS, Windows, and WindowsNT
  - MS Word 6.0, EXCEL, and MS Project
- 1993-1994 **Macintosh Computer Workshops**, Conducted by ITD, U of M, Ann Arbor, MI, USA.
  - System 7.0 Utilities, File System, and File Storage & Sharing
  - HyperCard, Quick Time, and Presenting Ideas with Computers
  - MS Word and PageMaker
  - FileMaker Pro, and EXCEL to Create a Grade Book
- February, 25, 1993 **The Basics of Fast Fourier Transform Analysis**, Special Hands-on Workshop Using Spectral Analyzer, Presented by Tektronix, Novi, MI, USA.
- February, 8, 1993 **Proposal Writing - Introduction to Writing Grant Proposals and Fellowship Applications**, Workshop Organized by The International Center, Conducted by The Division of Research Development and Administration (DRDA), U of M, Ann Arbor, MI, USA.
- November 17-18, 1992 **WinSASW: Data Reduction And Analysis Program for Spectral-Analysis-of-Surface-Waves (SASW) Tests**, Department of Civil Engineering, The University of Texas At Austin, Austin, TX, USA.
- 1991-1993 **Teaching Assistant Workshops**, Conducted by The Center for Research on Learning and Teaching (CRLT), U of M, Ann Arbor, MI, USA.
  - Testing
  - Speaking Skills
  - Effective Lecturing I & II
  - Creating Learning Climates
  - Alternative Formats for Teaching
  - Developing Presentation with Computer
  - Developing Undergraduate Research Skills
  - Giving Oral & Written Feedback to Students
- 1991 **Instructional Workshops**, Conducted by CRLT, U of M, Ann Arbor, MI, USA.
  - The Use of Questions
  - Leading Discussions I & II
  - Teaching Critical Thinking
  - Motivating Student to Learn
  - Speaking Skills and Effective Lecturing
  - Using Audiovisual Materials in Presentation
- November, 13-15, 1989 **Speed Reading**, EVELYN WOOD READING DYNAMICS®, Michigan League, U of M, Ann Arbor, MI, USA.

- 12/2/1406 to 1/3/1406 H      **Overseas-Studying Orientation**, 30th Symposium, Conducted by College of Dawah and Media, Imam Muhammad Bin Saud University, Riyadh, Saudi Arabia.
- October 23 - 27, 1982      **Training Program in Basic Strain Gage Laboratory**, Workshop Conducted by Measurements Group, Inc.; Organized by Mechanical Engineering Department, UPM, Dhahran, Saudi Arabia.

## **PROFESSIONAL EXPERIENCE**

- June 19, 2004 to September 08, 2004      **SAUDI ARABIAN OIL COMPANY (SAUDI ARAMCO), DHAHRAN, SAUDI ARABIA.** KFUPM Faculty Summer Program 2004, Consulting Services Department (CSD).
- June 15, 2002 to August 21, 2002      **SAUDI ARABIAN OIL COMPANY (SAUDI ARAMCO), DHAHRAN, SAUDI ARABIA.** KFUPM Faculty Summer Program 2002, Consulting Services Department (CSD).
- May 16, 1999 – May 6, 2000      **AHMED AL-MOUSA ENG'G CONSULTANTS, DAMMAM, SAUDI ARABIA.** Part-Time Consultant, *Pile Foundations and Geotechnical Engineering*.
- July 3 - August 31, 1998      **UNIVERSITY OF SURREY, GUILDFORD, UK.** Visiting Post-Doctorate Research Fellow, Geotechnical Group, Civil Engineering Department.
- July 13, 1996 to September 11, 1996      **SAUDI ARABIAN OIL COMPANY (SAUDI ARAMCO), DAMMAM, SAUDI ARABIA.** KFUPM Faculty Summer Program 1996, Central Area Design Services, Central Area Projects Design & Construction Department.
- July 16, 1995 to September 13, 1995      **SAUDI ARABIAN OIL COMPANY (SAUDI ARAMCO), DAMMAM, SAUDI ARABIA.** KFUPM Faculty Summer Program 1995, Central Area Design Services, Central Area Projects Design & Construction Department.
- August, 1989 to April 1994  
(Occasional Part-Time Consultant)
  - **FTC&H, LTD., ADA, MI, USA.** Cavity Detection by The Ground Penetration Radar/Subsurface Interface Radar.
  - **NTH CONSULTANTS, LTD., DETROIT, MI, USA.** 60-ft-Three-Hole Crosshole Tests, SASW Tests.
  - **GEO CONSULTANTS INC., ANN ARBOR, MI, USA.** Two-Hole Crosshole, SASW, Ambient Vibrations, Machine Foundations, Railroad Dynamics, Building Vibrations Measurements.
  - **SOIL AND MATERIALS ENGINEERS, INC., PLYMOUTH, MI, USA.** Ambient Vibrations, Machine Foundations, SASW, 50-ft-Three-Hole Crosshole, Attenuation Tests.
- July 4 - September 30, 1981      **SUNDT, LTD. (ARAMCO), DHAHRAN, SAUDI ARABIA.** Assistant Engineer.

## **RESEARCH PROJECTS**

- 2004-2006 **Applications of Geothermal Energy for Air Conditioning in Saudi Arabia, ARP 23-083**, KACST, Riyadh , Saudi Arabia.
- 2003-2007 **Size Optimization of Concrete Thrust Anchor Blocks for Pipelines (CER-2275)**, Center for Engineering Research, RI, KFUPM, Dhahran, Saudi Arabia.
- 2002 **Investigation of Current Landslide and Potential Rock Slope Failures along in Dilah Descent, Abha Area(PN# ESD2234)**, for the Minster of Communication, Department of Earth Sciences, KFUPM, Dhahran, Saudi Arabia.
- 2002 **Verification of Structural Analysis of Two Buildings (PN CER2244)**, Center for Engineering Research, RI, KFUPM, Dhahran, Saudi Arabia.
- 2000-2001 **Investigation of Foundation Settlements and Subsidence**, Water Desalination Plant, Jubail.
- 1999-2001 **Investigation of Settlements, Remedial Design Measures, and monitoring of Repair for Gas Tanks**, National Industrial Gases Company, Jubail.
- 1999-2003 **Plastic-Damage Model for 3-D Stress-Strain Behavior of Soil (CE/SOIL/239)**, A proposal submitted to the University Research Committee, KFUPM, June 16, 2001.
- 2001 **Certification of Civil Engineers in Saudi Arabia**, Civil Engineering Department, KFUPM, Dhahran, Saudi Arabia.
- 2001 **Investigation of Cracking in Ground Beams in Naval Base, Jubail (CE2207)**, Civil Engineering Department, KFUPM, Dhahran, Saudi Arabia.
- 1998-2001 **Behavior, Analysis and Design of Buried Pipelines (PN 20014)**, Civil Engineering Department, KFUPM, Dhahran, Saudi Arabia.
- 1997-2000 **Ultrasonic Velocity and Attenuation Measurements (PN 21171)**, Petroleum Engineering Section, Petroleum & Gas Technology Division, The Research Institute, KFUPM, Dhahran, Saudi Arabia.
- 1997-1998 **Studies of Elemental Analysis of Selected Agricultural Soil Samples from Hofuf Area, Eastern Province, Saudi Arabia**, A Research for the Faculty of Agriculture, KFU, Through Energy Resources Division, RI, KFUPM, Dhahran, Saudi Arabia, March 2, 1997.
- 1997-1998 **Influence of The Source Type on The 3-D Crosshole Tomography**, A Research Proposal Submitted to Post Doctoral Summer Research Programme, British Aerospace/The British Council, Through Research Committee, Collage of Graduate Studies, KFUPM, Dhahran, Saudi Arabia, February 25, 1997.
- 1996-1999 Plastic Behavior of Clayey Soils, Civil Engineering Department, KFUPM, Dhahran, Saudi Arabia.
- 1996-1997 **Geoenvironmental Engineering**, Civil Engineering Department, KFUPM, Dhahran, Saudi Arabia.
- 1996-1998 **Rock Mechanics Study of Ghawar Khuff Reservoirs (PN 21148)**, *Task Leader for Fracture Toughness Determination*, Petroleum Engineering Section, Petroleum & Gas Technology Division, The Research Institute, KFUPM, Dhahran, Saudi Arabia.
- 1995-1996 **Capacity of a Confined Column of Sand**, Civil Engineering Department, KFUPM, Dhahran, Saudi Arabia.



- 1990-1994 **Detection of Subsurface Cavities by The Spectral Analysis of Surface Waves (SASW) Method, Crosshole Test, and Ground Penetrating Radar (GPR) Technique**, Civil & Environmental Engineering Department, The University of Michigan, Ann Arbor, MI, USA.
- 1992-1995 **Nondestructive Testing of High-Performance Cementitious Composites**, Civil & Environmental Engineering Department, U of M, Ann Arbor, MI, USA.
- 1989 **Wind-Blown Sand**, Civil Engineering Department, U of M, Ann Arbor, MI, USA.
- 1988 **Expansive Soils**, Civil Engineering Department, U of M, Ann Arbor, MI, USA.
- 1986 **International Airports Projects (IAP) Team, Materials and Building Technology Program**, Metrology, Standard and Materials Division, The Research Institute, UPM, Dhahran, Saudi Arabia.
- 1983-1985 **Influence of Cracks on Elastic Stability of Column and Frames**, Civil Engineering Department, UPM, Dhahran, Saudi Arabia.
- 1984 **A Study of The Cracking of The Concrete Bridge Decks in Saudi Arabia**, Civil Engineering Department, UPM, Dhahran, Saudi Arabia.
- 1983 **Geometrically Nonlinear Analysis of Rectangular Glass Plates By Finite Element Method**, Civil Engineering Department, UPM, Dhahran, Saudi Arabia.
- 1982-1983 **Determination of The Carrying Capacity Of Cold-Form Z-Shape Steel Beams**, Civil Engineering Department, UPM, Dhahran, Saudi Arabia.
- 1981-1982 **Strength of Composite/Sandwich Beams**, Civil Engineering Department, UPM, Dhahran, Saudi Arabia.

### **CONFERENCE ATTENDED**

- March 15-17, 2003 Symposium on Phenomena of Sand Drift on Railways and Solution Measures, organized jointly by Saudi Railway Organization & Arab Union of Railway
- December 14-17, 2002 6<sup>th</sup> Saudi Engineers Conference, KFUPM, Dhahran, Saudi Arabia.
- November 2-4, 2002 Symposium on Urban Development in Arid Regions & Associated Problems, Minister of Housing & Public Works, Riyadh, Saudi Arabia.
- October 6-9, 2002 The 2nd International Conference on Geotechnical and Geoenvironmental Engineering in Arid Lands (GEO 2002), King Saud University, Riyadh, Saudi Arabia.
- September 16-20, 2002 The 9<sup>th</sup> Congress of The International Association of Engineering Geology and the Environment (IAEG), Durban, South Africa.
- 30 April, 2002 *Symposium on Certification of Practicing Engineers in Saudi Arabia: Issues & Challenges*, KFUPM, Dhahran, Saudi Arabia.
- September 24-26, 2001 *1st Middle East Nondestructive Testing*, Organized by Saudi Arabian Section of American Society for Nondestructive Testing and Bahrain Society of Engineers, Bahrain.
- September 11-14, 2001 The 2001 ISRM sponsored International– 2<sup>nd</sup> Asian Rock Mechanics Symposium, Beijing, China.

May 1-2, 2001 (7-8 Safar, 1422 H)	Symposium on <i>Admission and its criteria in Saudi Universities: Future Visions</i> , Organized by Deanship of Admission & Registration, Umm Al-Qura University, Makkah Al-Mukarramah, Saudi Arabia.
March 28-31, 2001	Fourth International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, San Diego, CA, USA.
September 17-20, 2000 (19-22 Jumada-II, 1421 H)	First Saudi Symposium on Earthquake Engineering, Organized by Civil Engineering Department, King Saud University, Riyadh, Saudi Arabia.
August 16-20, 1999	XI Asian Regional Conference on Soil Mechanics and Geotechnical Engineering, Organized by Korean Geotechnical Society and The International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE), Seoul, Korea.
June 21-25, 1999	Second International Conference on Earthquake Geotechnical Engineering (SICEGE - LISBOA' 99), Organized by Portuguese Geotechnical Society and National Laboratory of Civil Engineering, under the auspices of The International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE) TC4 on Earthquake Geotechnical Engineering, Held at Laboratório Nacional de Engenharia Civil (LNEC), Lisboa, Portugal.
February 21-24, 1999	The 2 <sup>nd</sup> International Conference on Engineering of Calcareous Sediments, American Society of Civil Engineers - Saudi Arabia Section (ASCE-SAS), Bahrain.
November 15-17, 1998 (Rajab 26-28, 1419)	Symposium on <i>Performance of Concrete Structures in The Arabian Gulf Environment</i> , Held by Civil Engineering Department, King Fahd University of Petroleum & Minerals, Dhahran, Saudi Arabia.
September 21-25, 1998	The 8 <sup>th</sup> Congress of The International Association of Engineering Geology and the Environment (IAEG), Vancouver, British Columbia, Canada.
Feb 22-25, 1998	Symposium on <i>The Higher Education In Saudi Arabia: Future Visions</i> , Ministry of Higher Education, Riyadh, Saudi Arabia.
November 17-19, 1997	The 1997 Civil Engineering Technical Exchange Meeting, <i>Towards State-of-The-Art Construction in Petroleum Facilities</i> , Sponsored by Consulting Service Department (CSD), Saudi Aramco, Dhahran, Saudi Arabia.
May 3-5, 1997 (Thul-Hijjah 26-28, 1417)	Symposium on <i>Civil Engineering and The Environment</i> , Held by Civil Engineering with the Cooperation of The British Council, King Fahd University of Petroleum & Minerals, Dhahran, Saudi Arabia.
November 5-8, 1995 (12-15 Jumada II, 1416 H)	Fourth Saudi Engineers Conference, Held at King Abdul-Aziz University, Jeddah, Saudi Arabia.
June 12-16, 1994	Fifth International Conference on Ground Penetrating Radar (GPR '94), Kitchener, Ontario, Canada.
March 27-31, 1994	Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP '94), Boston, MA, USA.
March 11-15, 1991	Second International Conference on Geotechnical Earthquake Engineering and Soil Dynamics, St Louis, MO, USA.
November 16-19, 1985	Second Saudi Engineers Conference, Held at The University of Petroleum & Minerals, Dhahran, Saudi Arabia.
October 15-17, 1984	21st Annual Meeting of the Society of Engineering Science, Blacksburg, VA, USA.

## PRESENTATIONS

- July 7, 2004 *Strategies for Skillfull Thinking*, 4th Summer Program for Gifted students KFUPM, Dhahran, Saudi Arabia.
- July 12 - 15, 2003 *Leading Discussion*, training workshop, 3<sup>rd</sup> Summer Program for Gifted students KFUPM, Dhahran, Saudi Arabia.
- October 6, 2002 *Effects of cyclic loading and stress/strain level on the elastic properties of limestone*, The 2<sup>nd</sup> International Conference on Geotechnical and Geoenvironmental Engineering in Arid Lands (GEO2002), King Saud University, Riyadh, Saudi Arabia.
- September 11, 2002 *Skills for Time Management*, Counseling and Advising Center, KFUPM, Dhahran, Saudi Arabia.
- 27 May, 2002 *An opinion survey on Certification of Civil Engineers in Saudi Arabia*, IEEE, Dhahran, Saudi Arabia.
- 30 April, 2002 *An opinion survey on Certification of Civil Engineers in Saudi Arabia*, Symposium on Certification of Practicing Engineers in Saudi Arabia: Issues & Challenges, KFUPM, Dhahran, Saudi Arabia.
- April 15, 2002 *Visualization in Scientific and Engineering Research*, RI Technical Seminar Series, RI, KFUPM, Dhahran, Saudi Arabia.
- Feb. 12, 2002 *Plastic-Damage Model for 3-D Stress-Strain Behavior of Soils*, Civil Engineering Seminar Series, Civil Engineering Department, KFUPM, Dhahran, Saudi Arabia.
- January 29, 2002 *Skills for Time Management*, Counseling and Advising Center, KFUPM, Dhahran, Saudi Arabia.
- Oct. 24, 2001 *Time Management Workshop*, KFUPM Schools, Dhahran, Saudi Arabia.
- September 12, 2001 *Dynamic and Static Moduli of Limestone Rock from Saudi Arabia*, The 2001 ISRM sponsored International- 2<sup>nd</sup> Asian Rock Mechanics Symposium, Beijing, China.
- July 24, 2001 *Time Management Training*, KFUPM Schools, Summer Program, Dhahran, Saudi Arabia.
- July 1, 2001 *Time Management*, Counseling and Advising Center, KFUPM, Dhahran, Saudi Arabia.
- May 8, 2001 *Scientific Visualization in Engineering Research*, Civil Engineering Seminar Series, Civil Engineering Department, KFUPM, Dhahran, Saudi Arabia.
- Feb. 3, 2001 *Time Management Skills*, Deanship of Student Affairs, KFUPM, Dhahran, Saudi Arabia.
- Nov. 23, 2000 *Time Management Workshop*, Counseling and Advising Center, KFUPM, Dhahran, Saudi Arabia.
- August 19, 1999 *Practical Strategies for SASW Data Collection and Interpretation*, Poster Session II, Panel # P6-10, The 11<sup>th</sup> Asian Regional Conference on Soil Mechanics and Geotechnical Engineering, International Society for Soil Mechanics and Geotechnical Engineering, Seoul, Korea.
- February 23, 1999-a *Detection of Subsurface Cavities Underlying Calcareous Soils*, The 2<sup>nd</sup> International Conference on Engineering of Calcareous Sediments, American Society of Civil Engineers - Saudi Arabia Section (ASCE-SAS), Bahrain.

- February 23, 1999-b *Clayey Behavior of Calcareous Soils*, The 2<sup>nd</sup> International Conference on Engineering of Calcareous Sediments, American Society of Civil Engineers - Saudi Arabia Section (ASCE-SAS), Bahrain.
- February 16, 1999 *Soil Structure Interaction – A Geoenvironmental Prospective*, Civil Engineering Seminar Series, Civil Engineering Department, KFUPM, Dhahran, Saudi Arabia.
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- 1996-a **Al-Shayea, N. A.** (*Leader, NET Project*) **et al.**, New Entrance Test Booklet -- A Trial Version, Four Codes, Office of The Vice Rector for Graduate Studies and Scientific Research, KFUPM, Dhahran, Saudi Arabia, KFUPM Press, December 21, 1996, 46 p each.
- 1996-b **Al-Shayea, N. A.** (*Chairman, Lab. Committee*) **et al.**, Handbook of Civil Engineering Laboratory Facilities, Civil Engineering Department, KFUPM, Dhahran, Saudi Arabia, KFUPM Press, 30 p.
- 1996-c **Al-Shayea, N. A., Abdulraheem, A., and Al-Amoudi, O. S. B.**, An Invesigation Into The Fracture Toughness and Tensile Strength of Indigenious Rocks, A Proposal for A Research Project Submitted to King Abdulaziz City for Science and Technology (KACST), General Directorate of Research Grants Programs, Project No. AT 17-46, Riyadh, Saudi Arabia, October 22, 1996, 30 p + Appendices.
- 1996-d **Al-Shayea, N. A.**, *Fracture Toughness of Rocks*, Contributions to The First Annual Report, Rock Mechanics Project (PN 21148), Petroleum Engineering Section, Petroleum & Gas Technology Division, The Research Institute, KFUPM, Dhahran, Saudi Arabia, September.

#### **4. SHORT COURSE PUBLICATIONS**

- 2004 **Al-Shayea, N. A.**, Contributions to The Proceedings of a Short Course on Rock Mechancis for Produciton Engineers, Phase I, Saudi Aramco, Dhahran, Saudi Arabia, April 11-13, 2004.  
**1. Tensile strength of Rocks**  
**2. Fracture Toughness of Rocks**
- 2003 **Al-Shayea, N. A.**, Contributions to The Proceedings of a Short Course on Earthquake-Resistant Design of Concrete and Steel Structures, Civil Engineering Department, KFUPM, Dhahran, Saudi Arabia, April 26-30, 2003.  
**1. Dynamic Soil Properties & Design of Foundations**  
**2. Soil-Structure Interaction**
- 2001 **Al-Shayea, N. A.**, Contributions to The Proceedings of a Short Course on Specifications, Analysis & Design of Earthquake Resistance Structures, Civil Engineering Department, KFUPM, Dhahran, Saudi Arabia, November 3-7, 2001.  
**1. Dynamic Soil Properties & Design of Foundations**  
**2. Soil-Structure Interaction**
- 2000 **Al-Shayea, N. A.**, Contributions to The Proceedings of a Short Course on Learning, Deanship of Academic Services, High School Students Summer Program, KFUPM, Dhahran, Saudi Arabia, July 15-19, 2000.  
  - **Time Management workshop**
- 1998 **Al-Shayea, N. A.**, Contributions to The Proceedings of a Short Course on Stabilization of Indigenou Soils and Assessment of Pavements, Civil Engineering Department, KFUPM, Dhahran, Saudi Arabia, October 24-28, 1998.  
  - **Assessment Techniques for Stabilization**
- 1997 **Al-Shayea, N. A.**, Contributions to The Proceedings of a Short Course on Stabilization of Indigenou Soils for Construction Purposes, Civil Engineering Department, KFUPM, Dhahran, Saudi Arabia, March 15-19, 1997.  
**1. Assessment Techniques for Stabilization**  
**2. Mechanical Stabilization (Shallow & Deep)**  
**3. Stabilization by Hydraulic Modification**
- 1996 **Al-Shayea, N. A.**, Contributions to The Proceedings of a Short Course on Earthquake Engineering - Analysis and Design of Structures, Civil Engineering Department, KFUPM, Dhahran, Saudi Arabia, June 8-12, 1996.  
**1. Wave Propagation in Soil & Dynamic Soil Properties**  
**2. Dynamic Soil-Structure Interaction & Vibration Isolation Techniques**
- 1995 **Al-Shayea, N. A.**, Contributions to The Proceedings of a Short Course on Soil Stabilization and Site Improvement, Civil Engineering Department, KFUPM, Dhahran, Saudi Arabia, April 1-5, 1995.  
**1. Field Evaluation of Soil Properties & Soil Treatment**  
**2. Shallow Mechanical Stabilization (Compaction)**  
**3. Deep Mechanical Modification**  
**4. Hydraulic Modifications**

## **5. THESIS & DISSERTATION**

- 1994 **Al-Shayea, Naser A.-R.**, Detection of Subsurface Cavities by The Spectral Analysis of Surface Waves Method, Ph. D. Dissertation, Civil and Environmental Engineering Department, College of Engineering, The University of Michigan, Ann Arbor, Michigan, USA, April, 1994, pp. 269.
- 1985 **Al-Shayea, Naser A.-R.**, Influence of Cracks on Elastic Stability of Column and Frames, M. S. Thesis, Civil Engineering Department, University of Petroleum and Minerals, Dhahran, Saudi Arabia, January, 1985, pp. 263.

## 6. OTHER PUBLICATIONS

- 1995     **Naser Al-Shayea et al.**, "*Affordable Alternatives for Building a House, with Strategies for Cost Reduction*", Press Investigation, Conducted and Published by *AL-Youm* Newspaper, Issue # 8142, Saturday, September 30, 1995 (6 Jumada I, 1416 H), pp. 1 & 6.

## TEACHING

Semester	Course #	Sec. #	Course Name	Type	# of Students
041	CE 455	01	Foundation and Earth Structure Design	Lec.	9
	CE 353	01	Geotechnical Engineering I	Lec.	12
032	CE 353	01	Geotechnical Engineering I	Lec.	21
	CE 201	01	Statics	Lec.	20
031	CE 353	01	Geotechnical Engineering I	Lec.	20
	CE 353	51	Geotechnical Engineering Lab	Lab.	20
	CE 351	05	Continue Cooperative Work	Lab.	1
023	CE 101	01	Engineering Graphics	Lec.+Lab.	20
	CE 201	01	Statics	Lec.	36
022	CE 552	01	Foundation Engineering	Lec.	2
	CE 353	01	Geotechnical Engineering I	Lec.	18
	CE 353	51	Geotechnical Engineering Lab	Lab.	18
021	CE 550	01	Nature and Behavior of Soils	Lec.	1
	ICS 101	02	Computer Programming	Lec.	33
012	CE 455	01	Foundation and Earth Structure Design	Lec.	9
	ICS 101	01	Computer Programming	Lec.	31
	CE 411	02	Senior Design Project	Lab.	2
011	CE 353	01	Geotechnical Engineering I	Lec.	15
	CE 100	01	Intro to C E ( <i>One lecture about Geotechnical Eng.</i> )	Lec.	30
002	CE 455	01	Foundation and Earth Structure Design	Lec.	6
	ICS 101	01	Computer Programming	Lec.	29
001	CE 455	01	Foundation and Earth Structure Design	Lec.	4
	CE 201	01	Statics	Lec.	27
	CE 100	01	Intro to C E ( <i>One lecture about Geotechnical Eng.</i> )	Lec.	30
992	CE 552	01	Foundation Engineering	Lec.	3
	CE 201	08	Statics	Lec.	18
	CE 411	01	Senior Design Project	Lab.	5
991	CE 550	01	Nature and Behavior of Soils	Lec.	2
	CE 201	08	Statics	Lec.	22
	CE 411	01	Senior Design Project	Lab.	5
	CE 100	01	Intro to C E ( <i>One lecture about Geotechnical Eng.</i> )	Lec.	30

982	CE 552	01	Foundation Engineering	Lec.	7
	CE 201	08	Statics ( <i>First week only</i> )	Lec.	24
	CE 353	52	Geotechnical Engineering I-Lab	Lab.	8
	CE 100	01	Intro to C E ( <i>One lecture about Geotechnical Eng.</i> )	Lec.	30
981	CE 550	01	Nature and Behavior of Soils	Lec.	6
	CE 353	01	Geotechnical Engineering I	Lec.	15
	CE 353	51	Geotechnical Engineering I-Lab	Lab.	15
	CE 100	01	Intro to C E ( <i>One lecture about Geotechnical Eng.</i> )	Lec.	30
972	CE 552	01	Foundation Engineering	Lec.	4
	CE 353	01	Geotechnical Engineering I	Lec.	7
	CE 353	51	Geotechnical Engineering I-Lab	Lab.	7
	CE 100	01	Intro to C E ( <i>One lecture about Geotechnical Eng.</i> )	Lec.	15
971	CE 550	01	Nature and Behavior of Soils	Lec.	3
	CE 411	01	Senior Design Project	Lab.	3
	CE 201	11	Statics	Lec.	24
963	ICS 101	01	Computer Programming	Lec.	25
	ICS 101	02	Computer Programming	Lec.	26
	ICS 101	53	Computer Programming	Lab.	26
	ICS 101	54	Computer Programming	Lab.	27
962	ICS 101	15	Computer Programming	Lec.	24
	ICS 101	16	Computer Programming	Lec.	21
	ICS 101	17	Computer Programming	Lec.	25
	ICS 101	18	Computer Programming	Lec.	24
961	CE 201	16	Statics	Lec.	31
	CE 550	01	Nature and Behavior of Soils	Lec.	2
952	CE 201	10	Statics	Lec.	31
	CE 201	15	Statics	Lec.	24
951	CE 201	08	Statics	Lec.	32
	CE 455	01	Foundation and Earth Structure Design	Lec.	3
943	CE 201	01	Statics	Lec.	33
	CE 201	02	Statics	Lec.	39
942	CE 550	01	Nature and Behavior of Soils	Lec.	2
	CE 201	13	Statics	Lec.	26
941	MATH 202	01	Elements of Differential Equations	Lec.	33
	MATH 202	03	Elements of Differential Equations	Lec.	40
862	CE 415	51	Reinforced Concrete Design II	Lab.	18
	CE 415	52	Reinforced Concrete Design II	Lab.	14
861	CE 415	51	Reinforced Concrete Design II	Lab.	23
	CE 204	01	Structural Mechanics Lab.	Lab.	8
	CE 204	03	Structural Mechanics Lab.	Lab.	6
852	CE 415	51	Reinforced Concrete Design II	Lab.	12
	CE 415	52	Reinforced Concrete Design II	Lab.	15

842	CE 415	51	Reinforced Concrete Design II	Lab.	18
	CE 415	52	Reinforced Concrete Design II	Lab.	17
841	CE 315	51	Reinforced Concrete Design I	Lab.	21
	CE 315	52	Reinforced Concrete Design I	Lab.	23
	CE 201	ALL	Statics	Grading & tutor	
832	CE 415	51	Reinforced Concrete Design II	Lab.	21
	CE 415	52	Reinforced Concrete Design II	Lab.	18
831	CE 408	01	Steel Design I	Grading	20

### **SHORT COURSES**

<b>Date</b>	<b>Course Title</b>	<b># of Students</b>	<b>Position</b>
April 11-13, 2004	<i>Rock Mechancis for Produciton Engineers, Phase 1, Saudi Aramco.</i>	20	Lecturer
July 12-15, 2003	<i>Third Scientific Summer Meeting for Gifted Students, KFUPM.</i>	5	Lecturer
April 26-30, 2003	<i>Earthquake-Resistant Design of Concrete and Steel Structures, Civil Engineering Department.</i>	15	Lecturer
November 3-7, 2001	<i>Specifications, Analysis &amp; Design of Earthquake Resistance Structures, Civil Engineering Department.</i>	20	Lecturer
July 7-18, 2001	<i>Introduction to programming in Visual Basic, Deanship of Academic Services.</i>	600	Lecturer
July 15-19, 2000	<i>Time Management workshop, Deanship of Academic Services.</i>	600	Lecturer
October 24-28, 1998	<i>Stabilization of Indigenous Soils and Assessment of Pavements, Civil Eng. Dept.</i>	25	Lecturer
Nov. 10-Dec.31, 1997	<i>Acoustics of Sedimentary Rocks, An Intensive Short Course, P. E. S., Petro. &amp; Gas Tech. Division, RI.</i>	8	Lecturer
March 15-19, 1997	<i>Soil Stabilization of Indigenous Soils for Construction Purposes, Civil Eng. Dept.</i>	35	Lecturer
June 8-12, 1996	<i>Earthquake Engineering - Analysis and Design of Structures, Civil Eng. Dept.</i>	6	Lecturer
April 1-5, 1995	<i>Soil Stabilization and Site Improvement, Civil Eng. Dept.</i>	20	Lecturer

### **PH. D. DISSERTATION COMMITTEES**

<b>Semester</b>	<b>Student Name (#)</b>	<b>Thesis Title</b>	<b>Position</b>
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972 – 001	Asad-ur-Rahman Khan (919485)	Elasto-Damage Fatigue Modeling for RC Beams Strengthened by CFRP	Member
972 – 993	Wael Mohamed Elleithy (926025)	Coupling of Boundary Element and Finite Element Methods for Plane Elasticity Problems	Member

### **MASTER THESIS COMMITTEES**

<b>Semester</b>	<b>Student Name (#)</b>	<b>Thesis Title</b>	<b>Position</b>
032-???	Hesham M. Zeedan (920437)	Optimum Design of Mat Foundation	Chairman
032-???	Hasan Al Sidqi (220342)	Pullout Capacity of Block Anchor in Sand	Chairman
011 – 022	Nasser S. Al-Kahtani (950421)	Stabilization Study of Two Eastern Arabian Marl Soils Using Cement and Lime	Member
011 – 022	Vantala Aurifullah (990321)	Effect of Fraction and Type of Gravel on the Load Carrying Capacity of Marl-Gravel Mixture	Member
982-001	Khurram Razzak Mohib (980314)	Modeling of Soils Using Damage Mechanics	Chairman
952 – 001	Shawqi J. Mandeel (835907)	Modeling of Laterally Loaded Piles	Member
981-993	Rashid Bashir (970264)	Design and Analysis of Pipelines Crossing Highways and Railways	Member
972-992	Junaid Siddiqui (960214)	Soil Resistance at a Buried Pipe Bend	Member
952 – 981	Khaled A. Al-Gunaiyan (794918)	Assessment of The Geotechnical Properties of Stabilized Sand-Marl Mixtures for Constructional Purposes	Member
962 –972	Khaqan Khan (940519)	Fracture Toughness Investigation of an Indigenous Limestone Rock Formation	Chairman
951 – 962	Khan, Shahid Azam (930527)	Effect of Gypsum-Anhydrite on The Behavior of Expansive Clays	Co-Chairman
952 – 953	Eissa Shayei Al-Ayedi (920165)	Chemical Stabilization of Al-Qurayyah Eastern Saudi Arabia **	Member
951 - 953	Mansoor Ali Beg (920539)	Numerical Modeling of R C Slabs on Tensionless Elastic Subgrade	Member
941 – 951	Habib-ur Rahman Ahmad (930294)	Characterization and Stabilization of Eastern Saudi Marls	Member

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\*\* *Master of Engineering Report.*



## SENIOR-PROJECT-DESIGN REPORT COMMITTEES

Semester	Student Name (#)	Title	Position
041	Bandar Al-Shammari (976508)	Structural Design of a Mosque Building	Member
032	Hamdan Al-Zahrani (964695)	A Comparative Study of Conventional and Seismic Design of a Reinforced Concrete Frame	Member
032	Hamad Al-Mutairi (982598)	A Comparative Study of Conventional and Seismic Design of a Reinforced Concrete Frame	Member
032	Hamad Al-Sagoor (948462)	A Comparative Study of Conventional and Seismic Design of a Reinforced Concrete Frame	Member
032	Azzam Al-Jibali (975792)	Structural Design of an Electrical Substation Building	Member
012	Husain M. Al-Wadeii (964859)	Design Alternatives for Tank Foundations	Chairman
011	Sultan T. Shugair (934107)	Design of Deep Foundations	Chairman
992	Omar Al-Attas (951849)	Storm-Water Drainage System Design	Member
972	Redha H. Al-Amer (920783)	Design of Structure	Member
971	Usamah Al-Dakhil (923584)	Analysis and Design of Foundations and Braced Excavations in Sabkha Soil	Member

## CO-OP WORK REPORT COMMITTEES

Semester	Student Name (#)	Title	Position
031-032	Bander Al-Shammari (976508)	Inspection of Civil Works in QGOSP-1, Saudi Aramco	Chairman
022	Majid Al-Jabr (975680)	Supervision and Footing Design of Intermediate School Building	Member
022	Hazza Al-Otaibi (968734)	Assessment of the Causes of Cracks in a Residential Building	Member
021	Muhammad Al-Khalifah (972743)	Bukariyah Water Treatment Plant	Member
012	Khalid Al-Yousif (963106)	Investigation for New Projects & Problems in Saudi Aramco	Chairman
012	Ibrahim Asiri (964058)	Pile Foundations	Member
002	Muhammad Ahmad Majrashi (951962)	Isolated Circular Footings	Member
002	Sufyan M. Boudi (954925)	Construction Process of Precast Concrete	Member
002	Jaber Ali Moashi (951749)	Construction of Tank Farm for ARASCO	Member
001	Abdulmajeed Al-Buluwi (937360)	Concrete Cylinder pipe	Chairman
001	Abdallah Al-Ghamdi (917290)	Foundation Engineering Projects	Chairman
992	Said Al-Ahmari (954859)	Construction of SRS Towers for TEP6	Chairman
992	Ghali Al-Anazi (937689)	Construction of Silos in Saudi White Cement	Member
992	Salah AL-Hudar (957562)	Construction Management in SCECO-East	Member
962	Mohammed Ihsan Al-Rifae (916817)	Quality Control Program Implimentation	Member

941	Al-Ansari, Taha Aboud (886085)	Design and Manufacturing of Reinforced Concrete Cylinder Pipes	Member
822	Emad A. Juraifani (780296)	Stages of Construction of Prestressed Concrete Bridges	Member

### SUMMER WORK REPORT COMMITTEES

Semester	Student Name (#)	Title	Position
011	Muhammad N. Al-Majmaj (964259)	Design and Construction of Pipelines	Chairman
011	Abdul-Rahman M. Al-Ghamari (965710)	Maintenance in Saudi Aramco	Member
011	Muhammad A. Al-Zahrani (964159)	Inspection in Saudi Aramco	Member

### INTERNATIONAL SCIENTIFIC COMMITTEES

- Evaluating and reviewing research proposals submitted for funding, The Office of Assistant Vice President For Postgraduate Studies and Research - **Sultan Qaboos University** – Oman, 2004.
- Member the Technical Committee for the *International Conference on Geotechnical Engineering with the theme of Soil Exploration, Testing, and Foundation Design* during October 3-6, 2004, **University of Sharjah**, United Arab Emirates.
- Member of the scientific & technical committee for the *2nd International Conference on Geotechnical and Geoenvironmental Engineering in Arid Lands (GEO2002)*, **King Saud University**, Riyadh, Saudi Arabia, 6-9 October 2002.
- Reviewing and evaluating THREE papers submitted to the International Conference on Geotechnical Engineering with the theme of Soil Exploration, Testing, and Foundation Design during October 3-6, 2004, University of Sharjah, United Arab Emirates.
- Reviewing and evaluating FOUR abstracts and papers submitted to the *2nd International Conference on Geotechnical and Geoenvironmental Engineering in Arid Lands (GEO2002)*, King Saud University, Riyadh, Saudi Arabia, 6-9 October 2002.

### NATIONAL SCIENTIFIC COMMITTEES

- Member of the Saudi Building Code National Committee, Riyadh, Saudi Arabia.
- Member of the consulting committee for reviewing the scientific & technical content of the exhibits, **Sultan Bin Abdulaziz Science and Technology Center**, Khobar, Saudi Arabia 2001-2004.
- Evaluating and reviewing the scientific & technical content of exhibits submitted Sultan Bin Abdulaziz Science and Technology Center, Khobar, Saudi Arabia 2001-2004.
- Reviewing and evaluating THREE papers for *The Arabian Journal for Science and Engineering (AJSE)*, KFUPM, Dhahran, Saudi Arabia, 2002-2003.
- Reviewing and evaluating EIGHT abstracts and papers submitted to the *Symposium on Certification of Practicing Engineers in Saudi Arabia: Issues & Challenges*, KFUPM, Dhahran, Saudi Arabia, 30 April, 2002.
- Reviewing and evaluating SEVEN abstracts and papers submitted to *The 6<sup>th</sup> Saudi Engineering Conference*, KFUPM, Dhahran, Saudi Arabia, 14-17 December, 2002.
- Reviewing and evaluating EIGHT abstracts and papers submitted to the *Symposium on the Construction development in arid regions and the associated problems*, Ministry of Public Works & Housing, 2-4 November, 2002.

- Reviewing and evaluating TWO papers for *The Fifth Saudi Engineering Conference, Makkah Al-Mukarramah*, Saudi Arabia, 1998.
- Evaluating TWO papers for publication in the *Proceedings of the Second Saudi Engineers Conference*, held at The University of Petroleum & Minerals, Dhahran, Saudi Arabia, November 16-19, 1985.
- Reviewing and evaluating THREE research progress reports for *King Abdulaziz City for Science and Technology (KACST)*, Riyadh, Saudi Arabia, 1999 & 2002.
- Reviewing and evaluating TWO research project proposals for *King Abdulaziz City for Science and Technology (KACST)*, Riyadh, Saudi Arabia, 1997.

### **LOCAL COMMITTEES**

- Member, Competition-organization Committee for Student Design Project with environmental aspects, Saudi Council of Engineers, 2004.
- Member, Representing KFUPM in a Committee Formed by Dammam Municipality to Resolve Land Disputes, 1996-1997.
- Member, Parents' Council, Tahfeedh Al-Quran Al-Kareem Elementary School, Al-Thuqbah, 1998-1999.

### **UNIVERSITY COMMITTEES**

<b>Semester</b>	<b>Committee Name</b>	<b>Type</b>	<b>Position</b>
041-042	1. Strategic Plan Committee	Standing	Member
033	2. Committee for Qiyas Test (Najran Center-2)	Adhoc	Chairman
	3. Committee for Entrance Exam (Dhahran Center)	Adhoc	Member
031-032	1. KFUPM Master Plan Committee	Standing	Member
	2. Textbook Committee	Standing	Member
	3. Research Committee for Arabic books and studies	Standing	Member
	4. Strategic Plan Committee	Adhoc	Member
	5. Committee on Assessing Multi-Purpose Auditorium	Adhoc	Member
	6. Youth Behavior Committee	Adhoc	Member
	7. Evaluation and Recommendation for SSO, RI	Adhoc	Member
	8. Faculty Promotion Committee	Adhoc	Member
	9. Committee for Ferdows Courts damaged Houses	Adhoc	Member
	10. Committee for Qiyas Test (Najran Center-1)	Adhoc	Chairman
	11. Committee on Appraisal of Auditorium in P.Y. Bldg.	Adhoc	Member
	12. Committee on Assessing Maintenance of Side Walks	Adhoc	Chairman
021-022	1. Follow-Up Committee for Subjects Tests	Standing	Member
	2. Traffic Safety Committee	Standing	Member
	3. Committee for Conducting RAM-I Test (Al-Baha Center)	Adhoc	Chairman
013	1. Committee for Conducting RAM-I Test (Al-Baha Center)	Adhoc	Chairman
	2. Committee for Conducting RAM-II Test (Hail Center)	Adhoc	Member
011-012	1. Follow-Up Committee for Subjects Tests	Standing	Member
	2. RI Promotion Committee	Adhoc	Member
003	1. Committee for Conducting RAM-I Test (Abha Center)	Adhoc	Member
	2. Committee for Conducting RAM-II Test (Dhahran Center)	Adhoc	Member

001-003	1. Follow-Up Committee for Subjects Tests	Standing	Chairman
	2. RAM-II Booklet Committee	Adhoc	Chairman
	3. RI Promotion Committee	Adhoc	Member
993	1. Committee for Conducting RAM-I Test (Abha Center)	Adhoc	Member
	2. Committee for Conducting RAM-II Test (Dhahran Center)	Adhoc	Member
991-993	1. Computer Utilization Committee	Standing	Member
	2. Follow-Up Committee for Subjects Tests	Standing	Chairman
	3. Computerized-Item Banking Committee	Standing	Member
	4. RI Promotion Committee	Adhoc	Member
983	1. Committee for Conducting RAM-II Test (Gassim Center)	Adhoc	Member
982	2. Committee for Conducting RAM-I Test (Riyadh Center)	Adhoc	Member
981-983	Administrative Committee for Subjects Tests	Standing	Chairman
971-973	Standing Committee on Subjects Tests	Standing	Chairman
962	1. Housing Sub-Committee	Adhoc	Member
961- 963	2. Housing Committee	Standing	Member
961-962	3. New-Entrance-Test Team	Adhoc	Leader
951- 952	Students Fund Committee	Standing	Member

### **COLLEGE COMMITTEES**

<b>Semester</b>	<b>Committee Name</b>	<b>Type</b>	<b>Position</b>
032- 041	Committee on Engineering Design Workshop	Adhoc	Member
001-002	Continuing Education Committee	Standing	Member
991	Evaluation of Regulations for Undergraduate Studies and Examinations	Adhoc	Chairman

### **DEPARTMENT COMMITTEES**

<b>Semester</b>	<b>Committee Name</b>	<b>Type</b>	<b>Position</b>
041-042	1. Graduate Committee	Standing	Member
	2. Textbook Committee	Standing	Member
	3. Program Internal Evaluation Committee	Adhoc	Member
	4. Committee for selection of Adjunct Professors	Adhoc	Member
031-032	5. Graduate Committee	Standing	Member
	6. Undergraduate Committee	Standing	Chairman
	7. Textbook Committee	Standing	Member
	8. Program Internal Evaluation Committee	Adhoc	Member
	9. Faculty Promotion Committee	Standing	Member
	10. Committee for selection of Adjunct Professors	Adhoc	Member

021-022	1. Graduate Committee	Standing	Member
	2. Undergraduate Committee	Standing	Member
	3. Textbook Committee	Standing	Member
	4. Faculty Promotion Committee	Standing	Member
011-012	1. Graduate Committee	Standing	Member
	2. Undergraduate Committee	Standing	Member
	3. Faculty Promotion Committee	Standing	Member
	4. ABET Committee	Adhoc	Member
	5. Committee on Basic Education for Certification of Engineers	Adhoc	Member
	6. Preparation Committee for <i>Symposium on Certification of Practicing Engineers in Saudi Arabia: Issues &amp; Challenges</i>	Adhoc	Member
	7. Organizing Committee for <i>Symposium on Certification of Practicing Engineers in Saudi Arabia: Issues &amp; Challenges</i>	Adhoc	Member
	8. Scientific & Publication Committee for <i>Symposium on Certification of Practicing Engineers in Saudi Arabia: Issues &amp; Challenges</i>	Adhoc	Chairman
001-002	1. Graduate Committee	Standing	Member
	2. Undergraduate Committee	Standing	Member
	3. ABET Committee	Adhoc	Member
	4. Diploma In Construction Technology	Adhoc	Member
	5. Faculty Promotion Committee	Standing	Member
	6. Committee on Basic Education for Certification of Engineers	Adhoc	Member
991-992	1. Graduate Committee	Standing	Member
	2. Undergraduate Committee	Standing	Member
	3. Committee for Revising Graduate Program	Adhoc	Member
	4. ABET Committee	Adhoc	Member
	5. Committee Searching for a textbook for the Course CE 317 (Computer Methods in Civil Engineering)	Adhoc	Member
981-982	1. Graduate Committee	Standing	Member
	2. Text book Committee	Standing	Member
	3. Developing Earthquake Engineering Specialty Unit	Adhoc	Chairman
	4. Distinguished Short-Course Award	Adhoc	Member
971-972	1. Graduate Committee	Standing	Member
	2. Laboratory Committee	Standing	Member
	3. Subcommittee for Senior Design Project (CE411)	Adhoc	Member
	4. Committee for Reviewing Reports/Theses for the Centennial Celebration	Adhoc	Member
961- 962	1. Laboratory Committee	Standing	Chairman
	2. Planning and Continuing Education Committee	Standing	Member
	3. Undergraduate Committee	Standing	Member
	4. Change of Sections for CE 101, CE 201 and CE 203	Adhoc	Member
	5. Committee for Devising Course Outline, CE 100 (Introduction to Civil Engineering)	Adhoc	Member
	6. Committee for Devising Course Outline, CE 317 (Computer Methods in Civil Engineering)	Adhoc	Member
	7. Ad Hoc Committee on Teaching and Advising	Adhoc	Member
	8. Ad Hoc Sub-Committee on for Promoting Short Courses	Adhoc	Member
951- 952	1. Laboratory Committee	Standing	Chairman
	2. Graduate Admission Committee	Standing	Member
	3. Textbook Committee	Standing	Member
	4. Change of Sections for CE 101, CE 201 and CE 203	Adhoc	Member
	5. Ad Hoc Committee on Teaching	Adhoc	Member
943	Change of Sections for CE 101 and CE 201	Adhoc	Chairman

941- 942	1. Graduate Admission Committee	Standing	Member
	2. Laboratory Committee	Standing	Member
	3. Textbook Committee	Standing	Member

## **ACADEMIC ADVISING**

### ***I. Graduate Students:***

- Graduate Advisor, Geotechnical Option, C.E. Department, 2004-2005, 2003-2004, 2002-2003, 2001-2002, 2000-2001, 1999-2000, 1998-1999, and 1997-1998.

### ***II. Undergraduate Students:***

<b>Semester</b>	<b># of Undergraduate Students</b>
041-042	5 (CE Students)
031-032	5 (CE Students)
023	All ACE Students
021-022	10 (CE Students)
011-012	15 (CE Students)
001-002	26 (CE Students)
991-992	54 (CE Students)
981-982	16 (EE Students)
671-972	15 (EE Students)
963	27 (All 93 & 94 ACHE Students)
961-962	30
951-952	40
941-942	32

## **OTHER ACADEMIC SERVICES**

- Represented KFUPM in the *Meeting of High School Students with the Representative of Ministry of Higher Education and the Universities*, Al-Jouf and Arar , March 27-April 5, 2004, Al-Baha, April 5, 2003, Al-Baha, April 21-23, 2002, Al-Baha and Arar, May 19-23, 2001.
- Coordinator, CE 399 (Summer Work), 1999-2000.
- Contributing to *The Course File* of the following courses: MATH 202, CE 201, CE 353, CE 455, CE 101, CE 100, CE 550, CE 552, and ICS 101.
- Member of the Faculty from College of Engineering Sciences Participating in the Evaluation Process, External Evaluation of The Research Institute, KFUPM, Dhahran, Saudi Arabia, 1997.
- Participating in *reviewing and evaluation of graduate and undergraduate Programs* in various departments at KFUPM, Dhahran, Saudi Arabia.
- Participating in *revising the graduate and undergraduate Bulletin*, KFUPM, Dhahran, Saudi Arabia, 1999-2001.

- Participating in the Civil Engineering Open-Day, To Present the Graduate Program in Geotechnical Option, KFUPM, Dhahran, Saudi Arabia, October 21, 1997.
- Participating in the Development of a Master of Engineering Program (Geotechnical Option), Civil Engineering, KFUPM, Dhahran, Saudi Arabia, 1997.
- Participating in the *Civil Engineering Department Exhibition and Promotion/open Days*: March 23-24, 2003; March 4-5, 2002; Feb. 11-12, 2001; Feb. 7-8, 2000; Feb. 8-10, 1999; March 15-18, 1998; March 15-16, 1997; and Dec. 9-10, 1996.
- Coordinator, Soil Mechanics Lab., C.E. Department, 2003-2004, 2002-2003, 2001-2002, 2000-2001, 1997-1998, and 1996-1997.
- Group Convener, Geotechnical Group, C.E. Department, 2003-2004, 2002-2003, 2001-2002, 1996-1997.
- Developing a new graduate course in Geotechnical Engineering, *Rock Mechanics*, proposed in December 26, 1995.
- Participating in the *Curriculum Development* of the Civil Engineering in general, and of the Geotechnical Engineering in particular.
- Faculty Marshall representing *The College of Applied Engineering*, 1995-1996.
- Participating in the *Laboratory Development* of the Civil Engineering Department, especially the Geotechnical Engineering Lab., in the areas of in-situ testing (SPT), soil dynamics, and rock mechanics.
- Helping during *The Registration Day* in the following semesters: 831, 861, 862, and 943.

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- Participating in the Team Visited the Site of the rock slope slide in *aqabat Delea* in Abha area, for the Ministry on Communications, Saudi Arabia, April 26-28, 2002.
- Design of a Machine Foundation in a Heavy Equipment Lab. for The Mechanical Engineering Dept., Maintenance Department, KFUPM, Dhahran, Saudi Arabia, 1996-1997.
- Participating in the Team Visited the Site of the ground Subsidence in *Mulajah* area, for the General Directory of Civil Defense - Eastern Province, Civil Protection Department, Through Remote Sensing Center, Geology & Mineralogy Division, RI, KFUPM, Dhahran, Saudi Arabia, June 14, 1997.
- Participating in the Field Trip to Shaybah Oil Field Development Project Site in The Empty Quarter , Sponsored by Consulting Service Department (CSD), Saudi Aramco, Dhahran, Saudi Arabia, November 19, 1997.

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- Writing Recommendation *Letters* for students need to continue their graduate studies.
- Representing Student Affairs at the trip made by the Civil Engineering Club to visit the JAMARAT BRIDGE, January 16-18. 1996.
- Member of the Executive Committee of *the Civil Engineering Club*, UPM, 1981-1982.
- Founding Member of *the Civil Engineering Club*, UPM, 1980-1981.

## ACADEMIC WARDS

- **Certificate of Distinction for excellence in research during the academic year 2003-2004**, KFUPM, Dhahran, Saudi Arabia, May 2004.
- **Certificate of Recognition for outstanding achievement in 2001, for the Development of the Computer Program “Analysis and Design of Buried Pipelines”**, Saudi ARAMCO, Dhahran, Saudi Arabia, May 2002.
- **Certification of twenty years of service to the University**, KFUPM, Dhahran, Saudi Arabia, May 2002.
- Selection of my biographical profile for publication in the 6<sup>th</sup> Edition of **Who’s Who in Science and Engineering**, December 2001.
- Inclusion of my biographical record in the 19<sup>th</sup> Edition of **Who’s Who in the World**, December 2002.
- **Certificate of Distinction for participating in teaching the distinguished short course during the academic year 1998-1999**, KFUPM, Dhahran, Saudi Arabia, May 1999.
- **Certificate of Distinction for being a member of the distinguished applied research team (PN 21148) of the Research Institute during the academic year 1998-1999**, KFUPM, Dhahran, Saudi Arabia, May 1999.
- **Engineering Graduate Fellowship-Wylie Grant**, Civil and Environmental Engineering Department, College of Engineering, The University of Michigan, Ann Arbor, MI, USA, April, 12, 1994.
- **Rackham Travel Grant**, Horace H. Rackham, School of Graduate Studies, The University of Michigan, Ann Arbor, MI, USA, March 11, 1994.
- Representing UPM at the first meeting of **the Superior Students of The Gulf Universities**, Organized by the *Arabian Education Office for The Gulf Countries*, February 26 to March 5, 1982.

## ACADEMIC PERFORMANCE EVALUATION

<u>Academic years</u>	<u>Academic performance</u>
1994/1995	<b><i>EXCELLENT</i></b>
1995/1996	<b><i>EXCELLENT</i></b>
1996/1997	<b><i>EXCELLENT</i></b>
1997/1998 & 1998/1999	<b><i>EXCELLENT</i></b>
1999/2000 & 2000/2001	<b><i>DISTINGUISHED</i></b>
2001/2002 & 2002/2003	<b><i>DISTINGUISHED</i></b>