

# CURRICULUM VITAE

**Prof. Adnan Hamza Mohammed Zahed**  
Vice-President for Graduate Studies and Scientific Research  
King Abdulaziz University



## Personal Information

- Name: Adnan Hamza Mohammed Zahed
- Place of Birth: El-Medina Al-Munawara
- Nationality: Saudi
- Marital Status: Married
- Current Position: Vice-President for Graduate Studies and Scientific Research in King Abdulaziz University.
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## Educational Background

- Dec. 1982 Doctor of Philosophy in Engineering, University of California at Davis, U.S.A.
- July 1979 Master of Science in Engineering, University of California at Davis, U.S.A.
- Aug. 1976 Bachelor of Science in Engineering, University of Petroleum and Minerals, Dhahran, K.S.A.

## Academic Ranks

- 1996-to-date Professor, Department of Chemical and Materials Engineering, College of Engineering, King Abdulaziz University, Jeddah, K.S.A.
- 1990-1996 Associate Professor, Department of Chemical and Materials Engineering, College of Engineering, King Abdulaziz University, Jeddah, K.S.A.
- 1990-1991 Visiting Professor, Sabbatical year at the University of British Columbia, Vancouver, Canada.
- 1983-1990 Assistant Professor, Department of Chemical and Materials Engineering, College of Engineering, King Abdulaziz University, Jeddah, K.S.A.
- 1976-1977 Graduate Assistant, Department of Chemical and Materials Engineering, College of Engineering, King Abdulaziz University, Jeddah, K.S.A.
- 1974-1976 Teaching Assistant, Department of Chemical Engineering, University of Petroleum and Minerals, Dhahran, K.S.A.

## Publications

- 1982-to-date 57 papers published in International Conferences and refereed journals.
- 1986-to-date More than 26 funded researches from inside and outside King Abdulaziz University.
- 1993 Co-author of the Arabic translation of Introduction to Chemical Engineering Thermodynamics Book.

## Administrative Experiences

- 1983 Director of Academic Affairs, Chemical Engineering Department, King Abdulaziz University.
- 1983 Acting Chairman, Chemical Engineering Department, King Abdulaziz University.
- 1983-1985 Director of Maintenance Department, College of Engineering, King Abdulaziz University.
- 1986-1989 Director of Scientific Research Administration, College of Engineering, King Abdulaziz University.
- 1989-1990 Director of University Sponsored Research Administration, King Abdulaziz University.
- 1992-1993 Coordinator of Hydrogen Production by the Solar Energy (Hysolar Project), King Abdulaziz University.

- 1993-1995 Senior General Manager at Savola Snack Food Company.
- 1995-1996 Consultant at Badra Saudi Factories Company.
- 1997-2007 Vice Dean, College of Engineering, King Abdulaziz University.
- 2001-2004 Member of the Administrative Council for the University Staff Co-op, King Abdulaziz University.
- 2007-2009 Dean of Graduate Studies, King Abdulaziz University.
- 2009-to-date Vice-President for Graduate Studies and Research, King Abdulaziz University.

### **Professional Societies Membership**

- Saudi Chemistry Society – Member.
- American Institute of Chemical Engineering – Member.

### **Committees' Membership**

- Member in 10 committees at the Department of Chemical Engineering (Departmental Level) from 1985 to 2007.
- Member in 29 committees at the College of Engineering (College Level) from 1983 to 2007.
- Member in 35 committees at the University of King Abdulaziz University (inside/outside KAU level) from 1983 to 2012.

### **A Partial List of the Assigned Duties**

- Chairman of the academic Affairs Committee of the Faculty.
- Member of the Faculty of Engineering Council.
- Coordinator of Substantial Equivalency Evaluations For ABET.
- Member of a the Standing Committee for Registration at KAU.
- Member of a committee for the Entrance Exam to the University.
- Chairman of the Faculty of Eng. Curriculum Committee.
- Chairman of the Training Committee at the Faculty of Engineering.
- Member of a Standing Committee for the Supervision on the English Institute.
- Member of the Scientific Committee for the International Conference on Engineering Education, Qaseem University.
- Member of the Advisory Committee for the Second International Conference on Engineering Education, Kuwait University.
- Member of the Scientific Committee in Al-Bayan Foundation for Education.
- The Coordinator for International Contacts, Prince Migrin Bin Abdulaziz Al-Saud University.
- Member of the Advisory Committee of Graduate Programs at Princess Nora University.
- Member of the Ministry of Higher Education to U.S.A. and New Zealand, 2007.

### **Current Duties in KAU.**

- General Secretary of International Advisory Board (IAB), KAU.
- Chairman of the Academic Council.
- Head of the Research Awards Committee.
- Head of the Standing Committee of Teaching assistants, Lecturers, Language Demonstrators and Research assistants affairs.
- Head of the Standing Committee for abroad Scholarships and Training.
- Head of the Executive Administrative Committee of King Fahd Medical Research Center.
- Secretary of the Executive Administrative Committee of Islamic Economics Institute.
- Head of the Executive Supervisional Committee of Research and Development Center.
- Chairman of Research Excellence Center for Water Desalination Technology.
- Chairman of Princess El-Jawhara Research Excellence Center in Hereditary Diseases.
- Chairman of Princess El-Jawhara Research Excellence Center for Medical Genome.
- Chairman of Research Excellence Center for Bone Diseases Researches.
- Chairman of Research Excellence Center for Environmental Studies.
- Chairman of El-Sheikh Mohammed H. Al-Amoudi Research Excellence Center for Breast Cancer Medical Care.
- Chairman of Research Excellence Center in Advanced Materials.
- Member of the Directory Council of Scientific Cessation or Scientific Endowment.
- Head of the Standing Committee of Scientific Cessation (Scientific Endowment).

## Compilation and Editing

- 2012 University Vice President for Graduate Studies and Scientific Research – Steps and Realization.
- 2009 Bulletin for Graduate Studies in Arabic, KAU (Arabic)..
- 2009 Bulletin for Applicable Scientific Theses in Arabic, KAU (Arabic)..
- 2009 Bulletin for Writing Thesis in KAU (Arabic & English).
- 2008 Bulletin for Graduate Studies in KAU (Arabic)..
- 2006-2007 College of Engineering Bulletin in KAU (English).
- 2005-2006 College of Engineering Bulletin in KAU (in Arabic).
- Short bibliography published in Marquis Who's Who in the World.
- 2003-2004 A New Curriculum Plan Bulletin in Arabic for the College of Engineering, KAU.
- 2003 A Guide for the Incoming Students for the College of Engineering, KAU.
- 2000, 2004 College of Engineering Bulletin in English KAU.
- 1986, 1987 Annual Report of Research Activities and Publications (Arabic and English version), College of Engineering, KAU (Arabic & English version)..
- 1986 Manual of the Applied Research Awards Funded in the College, (Arabic & English version).
- 1985, 1986 Annual Report of Research Activities and Publications (Arabic and English version), College of Engineering, KAU (Arabic & English version).

## Programs to Improve Teaching & Professional Experiences

### A. Courses at the Center for Teaching and Learning Development (CTLTD), KAU, Jeddah, K.S.A.

- Promoting Effective Teaching and Learning.
- Educational Technology.
- Study Skills.
- Self-Evaluation for the Faculty Member.
- Curriculum Development.
- College Teaching Methods.
- Teaching Tips (Hints).
- Motivating Students to Learn More and Better
- Student Guidance.
- Statistical Applications Using SPSS.
- Development of Administration Skills for the Academic Leaders at KAU.
- The Student As the Center in the Educational Operation.
- A self-Directed Guide to Designing Courses for Significant Learning.

### B. Accreditation Annual Meetings.

- 2000 ABET Annual Meeting, JW Marriott Hotel at Lenox, Atlanta.
- 2005 ABET Annual Meeting, Sandi ago, California.
- 2006 ABET Annual Meeting, Tampa, Florida.
- A Learning Centered Approach to Engineering Education(AL) for the 21st Century, KAU., Jeddah Saudi Arabia.

### C. Other Courses.

- A Learning Centered Approach to Engineering Education (AL) for the 21<sup>st</sup> Century, KAU., Jeddah, Saudi Arabia.

## Conferences, Symposiums & Workshops

- Annual Conference on Engineering Education, Hobart Australia.
- The 1st Saudi Engineering Conference, Jeddah, Saudi Arabia, May, 1983.
- The 2nd Second Saudi Engineering Conference, Dhahran, Saudi Arabia, November, 1985.
- The 6th International Hydrogen Conference, Vienna, Austria, July, 1986.
- The 10th National Conference and Exhibition for Computer, Jeddah, Saudi Arabia, February, 1988
- The 41st Canadian Chemical Engineering Conference, Vancouver, British Columbia, Canada, October, 1991.
- The 4th Saudi Engineering Conference, Jeddah, Saudi Arabia, October, 1995.
- The Symposium of "Higher Education in Saudi Arabia: Future Visions", Riyadh (Shawwal 1418H.) 22-25 February, 1998.
- The International Conference for the Systems of Fluids and Solids Separation Systems, Hawaii, April, 1999.
- The Symposium of Promoting of Engineering Education, King Fahd University for Petroleum and Minerals, Dhahran, Saudi Arabia.

- The 3rd Annual International Conference of UNESCO Centre on Engineering Education, Tasmania University, Hobart, Tasmania State, Australia, February 2000.
- The Symposium of Engineering and Architecture Education, Jeddah, KAU, Faculty of Engineering, Dhul-Qaidah 1421H.
- The 6th International Conference for Chemical Engineering, Melbourne, Australia, September 2001.
- Engineering Education Forum, Faculty of Engineering, Sharjah University, Safar 1423H.
- The 6th Saudi Engineering Conference, King Fahd University for Petroleum and Minerals, Shawwal, 1423H.
- The Symposium of the Reality of Engineering Education in Arab World, Engineers Society, Abu-Dhabi, U.A.E., September 2003.
- The Forum of Developing and Promoting Engineering Education, Kingdom of Bahrain, February 2004.
- The 9th Annual International Conference of UNESCO Centre on Engineering Education, Muscat, Sultanate of Oman, Al-Moharram, 1427H.
- The 2nd International Conference for Planning and Developing Education and Scientific Research in Arab Countries, King Fahd University for Petroleum and Minerals, Dhahran, K.S.A., February 2008.
- The International Conference for Engineering Brazilia Town, Brazil, December 2008.
- The Conference of the Un-contaminating Energy, South Korea, October 2012.

### **Funded Researches (for the last ten years)**

- "Hydrogen Production by Solar Energy and its Applications", funded by King Abdul Aziz City for Science & Technology, and Republic of Germany, 1986 (Fulfilled in 1995).
- "Developing Engineering Education", Part I The Frame of Report Concepts for Promoting Engineering Education. Funded by the Deanship of Scientific Research in KAU (Fulfilled in 1423H.).
- "The Futuristic Plan for University Education in Kingdom of Saudi Arabia", The Horizons and Future of Higher Education (1426 – 1450) presented to AFAQ Project, Ministry of Higher Education, 1427H.
- "Composing the Executive Frame for Futuristic Proceedings of the Deanship of Post Graduate Studies", in the frame of both of The Futuristic Plan of the University Education, and the National Plan for Science and Technology (Extended Latitude). Funded by D.S.R. in KAU (Fulfilled in 1428H.).
- "The Strategic Plan for DGS in KAU (Composing land consolidating), Senior Researcher (Fulfilled in 1428H.).
- "Integrated Assessment of Post-Graduate Studies in KAU.: Programs, Students, Academic Staff, Facilities, and the Deanship itself. Fieldwork (First Stage). Funded by DSR in KAU (Senior Researcher) 1429-1430H.
- "E-Learning in Post-Graduate Studies in KAU", A Detecting Study. Funded by DSR in KAU (Senior Researcher) 1429-1430H.
- "Post-Graduate Studies Bulletin: Designing and Directing", Funded by DSR in KAU. Senior Researcher. 1429-1430H.
- "A Bulletin For the Thesis Tended for Application", Financed by DSR in KAU. Senior Researcher (Fulfilled in Safar 1430H.)
- "The Bulletin for Writing Scientific Thesis (Dissertations)", Funded by DSR in KAU. Senior Researcher (Fulfilled in Dhul Hijjah, 1429H.).
- "Graduate Studies in Research Universities", The Intended Roles to Change (Transform) to Knowledge Community. Funded by DSR in KAU. Senior Researcher. 1429-1430H.
- "Integrated Assessment for Post-Graduate Studies in KAU: Programs, Students, Academic Staff, Facilities, and the Deanship Itself", Field work (Second stage). Funded by DSR in KAU. Senior Researcher, 1430-1431.
- "Integrated Assessment for the Performance of KAU Vice Presidency for Graduate Studies and Scientific Research". Funded by DSR in KAU. Senior Researcher, 1430-1432H.
- "Mechanization of Procedure for Academic Promotion in Vice Presidency for Graduate Studies and Scientific Research". Funded by Research and Consultation Institute in KAU. Senior Researcher, 1431H.
- "Consolidating the Performance of University Vice Presidency for Graduate Studies and Scientific Research According to ISO-9001 Requirements". Funded by DSR in KAU. Senior Researcher, 1430-1431H.
- "Measuring and Improving the Quality of the Educational Process in Graduate Studies, by Using the Example of European Quality Award". Funded by DSR in KAU. Senior Researcher, 1430-1431H.
- "Study of the Ways to Fulfill the Criteria Needed in KAU for World Ranking". Funded by DSR in KAU. Senior Researcher, 1430-1431H.
- "Developing Reactional Systems to Reinforce Taking the Needed Decisions to Distribute the Academic Employments (Positions) for the Academic Departments in KAU, and to Estimate the Futuristic Needs of These Departments from Teaching Assistants". Funded by the DSR in KAU. Senior Researcher, 1430-1431H.
- "Establishing and Developing the International Advisory Board of KAU". Funded by DSR in KAU. Senior Researcher, 1430-1431H.
- "Developing the Scientific Societies in KAU". Financed by Research and Consultation Institute. Senior Researcher, 1432H.

- "International Academic Accreditation for Educational Programs and Academic Staff Developing Programs" (Third Stage). Funded by Research & Consultation Institute. Senior Researcher, 1432H.
- "Activation of the Role of Community Corporation in the Field of Scientific Research in KAU". Funded by DSR in KAU.
- "Developing the International Advisory Board of KAU". Funded by Research & Consultation Institute in KAU.
- "Ranking of American and British Distinguished Universities According to the Specialization for Abroad Scholarships". Funded by Research & Consultation Institute. Senior Researcher.
- "Evaluation of the Performance of International Advisory Board (IAB) of KAU". Funded by Research & Consultation Institute. Senior Researcher.
- "A Study on Attracting Distinguished Scholars and Visiting Professors for Enriching the Scientific Research in KAU". Funded by Research & Consultation Institute. Senior Researcher.

## Certificates

- 1983 Certificate of Merit given by the Dean of College of Engineering for Participation in First Saudi Engineering Conference.
- 1986-1990 Certificates of Appreciation given by the Dean of the College of Engineering for administrative work in the College.
- 1990 Certificate of Merit given by the Rector of King Abdulaziz University for participation in the First Saudi Symposium on Energy Utilization and Conservation.
- 1993 Certificate of Merit given by the Dean of the College of Engineering.
- 1997-2006 Certificates of Merit given by the Rector of King Abdulaziz University for participation in consolidating and developing student activities.