

Emadadeen M. K. Ali

Gender: Male
Date of Birth: 11/4/1962 G - (7/ 11/ 1381 H)
Nationality: Saudi

Work Address: King Saud University
College of Engineering
Department of Chemical Engineering
P. O. Box 800, Riyadh 11421
Kingdom of Saudi Arabia

Home Address: P.O. Box 10418
Riyadh 11433
Kingdom of Saudi Arabia

Phone: (01)467-6 871 –Work
(01)465-4374 -Home
(01)467- 8770 –Fax
0503227408 –mobile

Email Address amkamal@ksu.edu.sa

Web Site //faculty.ksu.edu.sa/Emad.Ali

Education Ph.D. in Chemical Engineering, University of Maryland, USA, 1996
Ms in Chemical Engineering, University of Pittsburgh, USA, 1989
Bs.c. in Chemical Engineering, King Saud University, KSA, 1986

Job Title: Professor: 2/1/2005
Associate Professor: 7/5/2000 - 2/1/2005
Assistant Professor: 13/2/1996 – 7/5/2000

Specialization Chemical Engineering / Process Control

Specific Area of Research: Process Control theory and application
Advanced and non-linear control systems
System Identification of Chemical Processes

Administrative Position

Director of Engineering Research Center 12-2016—12-2018 (13/4/1438---)
Department Chairman 05-2009--05-2015 (12-04-1430---12-04-1436)

Institutional Services

1. Member of the Scientific Committee for Workshop on “Towards Excellence in Petrochemical Industries: Local and Global perspectives”, 2013
2. Member of the College committee for updating the Msc program in Nuclear Engineering, 2012.
3. Member of the college committee for reviewing the procedure for recruitment, renewal, and replacement of faculty members in the college of engineering, 2011.
4. Member of the college committee for developing Msc program in Desalination Engineering, 2011.
5. Chairman of the department committee for NCAAA program accreditation, 2010-now
6. Participation in the Workshop for developing the Strategic Plan for the Graduate Studies at KSU, 6/6/2010
7. Member of the Project Team for developing a Review and Evaluation Procedure of the Graduate Studies Programs at KSU, 02/2010-02/2011
8. GE209 Course Coordinator, 2007-2009.
9. Member of the Council of the Engineering College Research Center, 3-2009-6-2009
10. Member of College of Engineering ABET Accreditation Active Committee, 2008-2010
11. Consultant for Evaluation and Development at the Graduate Studies Deanship, 11/2009-11/2012.
12. Member of Scientific Committee for the International Conference for Nanotechnology Industries, KSU, 5-7,4,2009
13. Member of the College of Dentistry Committee for evaluating the nominees for Excellence in Teaching Award, 20/5/2008.
14. Chairman of the Department Committee for PhD Comprehensive Exam, 2005-2006, 2009-2010.
15. Chairman of the Department Committee for ABET accreditation, 2005-2010.
16. Chairman of the Department Committee for developing and maintaining the departmental web site, 2005-2009.
17. Member of the College Committee for ABET accreditation 2005-2010.
18. Member of the College Council 2005-2006, 2009-now
19. Member of the College Committee for developing the college web site 2004-2006.
20. Member of the Academic Committee for the Engineering College 2003-2005
21. Member of the Council of the Engineering College research center 1998-2000.

Teaching Experience

Courses taught at king Saud University

- A. Undergraduate level
 - a. CHE 239: Engineering Material
 - b. CHE 323: Process Control

- c. CHE 401: Computational Methods
- d. CHE 201: Chemical Engineering Principles I
- e. CHE 411: Separation Processes II
- f. CHE 405: Chemical Engineering Lab III
- g. CHE 422: Selected Topics I
- h. GE 209: FORTRAN Programming
- i. GE 2-0: MATLAB Programming
- j. CHE 414: Process Control

B. Graduate level

- a. CHE 521: Advanced Process Control I
- b. CHE 627: Advanced Process Control II

Community Services and Self Development

1. Attending 10th European Congress for Chemical Engineering”, Nice, 27/9-03/10, 2015
2. Attending International Congress on Energy and Environment Engineering and Management, Paris 22-24,7,2015.
3. Attending COMSOL multi-physics training course, Zotermeer, netherland, 18-9/5/2015
4. Attending international conference on applied physics, simulation and computers, Vienna, 15-17/3/2015.
5. Attending workshop “Smart Board”, KSU, 19-11-2014
6. Attending “12th European Biological Inorganic Chemistry Conference”, Zurich, 24-28/8/2014
7. Participating in “Industrial Biotechnology Conference”, Rome, 8-11,06,2014.
8. Participating in “Fuel Cell 2014, Science and Technology Conference”, Amsterdam, 03-04, 04,2014.
9. Attending “2ed Series of Lectures in Sustainable Energy”, College of Engineering, KSU, 19/11/2013 – 24/12/2013.
10. Attending Symposium of Material and Energy for the new Energy Technologies, KSU 9-12-2013
11. Participating in “International Conference on Chemical Engineering and Environment, Barcelona, 14-15,10-2013.
12. Attending Workshop "Recruiting Outstanding Saudi Students Abroad", KSU, 01-10-2013.
13. Attending Workshop "Improving the teaching process of the laboratory classes and tutorials", KSU, 01-10-2013.
14. Participating in "How good are we doing on our Engineering Capstone Design Projects " workshop, KSU, 11-05-2013

15. Attending the “International Conference on Engineering Systems Modeling, Simulation and Analysis”, Madrid, 28-29/3/2103.
16. Attending workshop “Towards Distinguished Outcomes for the National Plan Projects”, KSU, 2-3-2013.
17. Attending workshop "Developing Teaching portfolio" , KSU, 24-12-2012.
18. Participating in "Dynamic Systems and Control Conference" Fort Lauderdale, USA, 17-19,10,2012
19. Attending workshop “Solar Energy in Building Structure”, Ministry of Water and Electricity, 09-10-2012.
20. Attending the study tour “NCAAA in UK 2012”, 17-23/6/2012
21. Attending "International Conference on Agricultural, Biotechnology, Biological and Biosystems Engineering", Amsterdam, Netherland, 13-15/5/2012.
22. Participation in the workshop "Excellence in Petrochemical Industries Research", 09-05-2012, KSU
23. Attending workshop "College of Engineering Strategic Plan: implementation and methodology", 1-05-2012, KSU
24. Lecturing at the College of Engineering Orientation Day for the prospective students, 05/04/2012
25. Attending Workshop on “E-Learning System”, KSU, 11-02-2012
26. Attending Workshop on “Engineering Learning Outcomes”, National Center for Assessment in Higher Education, 07-01-2012
27. Attending “50th European Control Conference”, Orlando, USA, 12-15,12,2011
28. Attending the Workshop “Experience of the Civil Engineering Program towards NCAAA accreditation”, 26/10/2011.
29. Attending “1st International Conference on Ionic Liquid for Separation and Purification Technology”, Sitges, Spain, 4-7/9/2011.
30. Attending ACC2011 “American Control Conference”, San Francisco, USA, 29/6/0211-1/7/2011.
31. Attending a Workshop on "Effective Grading and Feedback Practices", 5/6/2011, KSU, Saudi Arabia.
32. Attending a Workshop on "Course Design and Construction", 30-31/5/2011, KSU, Saudi Arabia
33. Attending the First Chemical Engineering Alumni Meeting, 25/5/2011, KSU, Saudi Arabia
34. Attending “Saudi Chemical Engineers’ First Forum”, 17-18/5/2011, KSU, Saudi Arabia.
35. Attending a workshop on ”College of Engineering and The Twining Program” , 8/5/2011, KSU, Saudi Arabia.
36. Lecturing in the College of Engineering Orientation Day for the prospective students, 28/4/2011

37. Attending a Workshop on “Review and Evaluation of Graduate Studies’ Programs”, KSU, 18/01/2011.
38. Attending the Chemical Engineering and Processing Conference, Venice, Italy, 24-26/11/2010
39. Attending HAZOP, leadership and Management Course, Leeds, UK, 18-20/10/2010.
40. Attending International Conference on Chemical and Process Engineering, Boston, USA, 13-15/9/2010.
41. Attending Third International conference on the Application of Digital Information and Web Technologies, Istanbul, 12-14/07/2010.
42. Attending a Workshop, "Effective Classroom Management and Assessment of Students Learning", KSU 29-30/5/2010
43. Preparation of the CHE Department for the NCAAA institutional Accreditation, 23-24/5/2010.
44. Lecturing in the College of Engineering Orientation Day for the prospective students, 6/5/2010.
45. Attending a Workshop on “Data Warehouse – Statistical Reporting Services”, KSU 7/4/2010.
46. Attending International Conference of Chemical Engineering and its Applications, Singapore, February 26-28, 2010
47. Attending a workshop on “Quality Assurance in the Colleges”, KSU 18/01/2010
48. Attending a workshop on “Excellence in Postgraduate Programs, Challenges and Solution”, KSU 12-13/01/2010.
49. Attending a workshop on “Methodology of approving academic plan development – local and international experiences”, 4-5/01/2010, KSU
50. Attending a workshop on “Active personality of a University Faculty”, KSU, 12-14/12/2009.
51. Attending a workshop on “Meeting’s Management Skills”, KSU 10-11/11/2009.
52. Supervising and leading the department accreditation committee during the ABET evaluation visit 25-27/10/2009.
53. Attending 8th World Congress of chemical Engineering, Montreal, Canada, 23-27/8/2009.
54. Coordinated and lead the activities of the second visit made by the Member of the International Advisory Board designated to CHE department, 25-27/5/2009
55. Attending the 7th International conference on Membrane Science and Technology, Malaysia, May 12-15, 2009
56. Chaired Session S4 in the third day of the international conference for Nanotechnology Industries, KSU, Saudi Arabia 7/4/2009
57. Compiling all CHE student’s graduation projects from 1399H till now in one Excel file.
58. Developing database for CHE Alumni on the department web page.

59. Presenting a short introduction about Accreditation at the first CHE Alumni meeting on 3/3/2009.
60. Coordinated and lead the activities of the first visit made by the Member of the International Advisory Board designated to CHE department, 24-26/1/2009.
61. Attended all activities of the first visit made by the International Advisory Board for ABET Accreditation, 24-26/1/2009.
62. Presenting Two lectures on ABET Accreditation Process, Chemical Engineering Dept., KSU, 30/12/2008 and 25/1/2009.
63. Attending the Third International Conference on Modeling, Simulation and Applied Optimization, Sharjah, UAE, 20-22/1/2009.
64. Attending "ABET Annual Meeting", KY, USA 2008.
65. Attending "ABET Commission Summit Workshop", KY, USA 2008.
66. Attending "Preparation for ABET Accreditation Workshop", Bahrain, 2008.
67. Organizing and conducting training course on "Log term planning for water desalination demand", 8-9-01-2008.
68. Organizing and conducting training course on "Modeling of Water Demand Forecast", 6-7-01-2007
69. Developing MATLAB-based Simulation programs and several SIMULINK modules that are made available online for public use, 2007.
70. Attending and participating in the annual Department Graduation party since 2005-2007.
71. Composing a short guide for the Chemical Engineering Department AT King Saud University 2000, 2003.
72. Member of the foundation committee of the Saudi Chemical Engineering Society. 2000-2007.
73. Chairman of the executive committee for the "Process Control in the Chemical Industries", work shop held in 9-13-3-2002 in KSU.
74. Chairman of the executive committee for "The Corrosion in Industrial Premises Workshop" held on October 2000, Chemical Engineering Department, King Saud University.
75. Chairman of the finance committee for two Corrosion workshops held on May 1998 and June 1998, Chemical Engineering Department, King Saud University.
76. Part-time consultant at SABIC R&T 1997-2001.

Graduate Students

1. Supervisor of the Msc Thesis "periodic control of a wastewater treatment process to enhance the process productivity", student Mohammad Azhar
2. Examiner Committee member of Msc thesis "Modeling of Nano Filtration Process for Desalination Pretreatment", student: Mohammad AlDehani, 2011.
3. Examiner Committee member of Msc Thesis "Integration of MSF/RO Desalination Plants Using Simulation Software ", Student Talal Alshammary, 2010.