

## **DR. BAJIS DODIN**

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### **EDUCATION:**

- Ph.D. 1982 North Carolina State University at Raleigh, NC  
Major: Production Management and Operations Research
- MS 1974 North Carolina State University at Raleigh, NC  
Major: Production Management and Operations Research
- Certificate 1974/75 IBM, Chicago and New York; GPSS and its Applications
- MS 1972 State University of New York at Plattsburg, NY  
Major: Mathematics and Education
- BS 1971 State University of New York at Plattsburg, NY  
Major: Mathematics

### **EMPLOYMENT:**

- 2013 - Present Interim Dean, College of Business, Alfaisal University, Riyadh, Saudi Arabia  
Professor of Operations Management and Management Science
- 1996 - 2013 Professor of Operations Management and Management Science (OM/MS) at  
SoBA/AGSM, University of California Riverside (UCR)
- 2007- 2010 Associate Dean , Undergraduate Programs, SoBA/AGSM, UCR
- 2003 – 2006 Director of University of California Education Abroad Center (UCEAP) in Cairo,  
Professor of OM/MS at American University in Cairo, Egypt. & AGSM of UCR
- 2000 – 2003 Associate Dean for Undergraduate Programs, AGSM
- 2002 – 2003 Manager of the AACSB Accreditation Project
- 1999 – 2000 Associate Dean for Academic Affairs, and Chair of the three AGSM Departments
- 1996 – 1999 Associate Dean for Academic Affairs, AGSM
- 1988 – 1996 Associate Professor of Operations Management and Management Science, AGSM
- 1993 – 1994 Fulbright Senior Scholar
- 1987 – 1991 Chair of the Undergraduate Business Administration Program
- 1984 – 1988 Assistant Professor of Operations Management and Management Science, AGSM
- 1981 – 1984 Assistant Professor, School of Business Administration, University of Wisconsin,  
Milwaukee, WI
- 1974 – 1978 Systems and Senior Systems Engineer, Pullman Standard, Chicago, IL

## **RESEARCH INTEREST:**

Conduct research in the areas of Project Management, especially on the stochastic side, Scheduling, and Inventory Control (many of the problems in these two areas of Operations Management have been combined to form Supply Chain Management), along with their applications in other functional areas of business and engineering. The research is basic and applied oriented, and it appeared in the premier journals. For details please **see the list of publications, working papers, and professional presentations starting on the next page.**

## **TEACHING INTEREST:**

Teach graduate and undergraduate courses in Production and Operations Management, Management Science, Project Management, Production Planning and Scheduling, and Supply Chain Management,. Supervise graduate and undergraduate students in their research. Chaired ten Master Theses Committees, served on over 20 Master Theses Committees, and on 19 Ph.D. Committees, (Ph.D.s are all in other departments within UCR since SoBA/AGSM does not have a Ph.D. program yet, and the master's thesis requirement has been made optional at AGSM over 15 years ago). Supervised over 50 independent studies and internships. Revised or initiated over 38 courses in the MBA and undergraduate Business Administration programs.

## **ADMINISTRATIVE & BUSINESS EXPERIENCES:**

(Please see the **SERVICES Section** later in this resume). My administrative experiences are extensive and cover the wide range of higher education managerial and academic issues. In my services as Academic Associate Dean, Chair of Departments, Chair of Business Administration Program, Chair of AGSM faculty, Manager of the AACSB Accreditation project, Director of an UC Education Abroad Program Center, services on key Academic Senate in UCR and School committees such as Graduate Council, Committee on Educational Policy, MBA Committee, and UC Assembly along with one year as a Fulbright Scholar, and four years of business and industrial employment I dealt with most of the higher education academic and administrative issues. They include:

- Strategic planning for the school and campus
- Operational planning and budgeting for the school,
- Accreditation by AACSB,
- Building planning and facility management,
- Faculty recruitment, merits, promotions, and tenure,
- Faculty orientation, mentoring and retention,
- Staff recruitment, training, mentoring and evaluation,
- Development of new programs, evaluation and revision of existing programs,
- Develop new courses and revise many others,
- Students recruitment, orientation programs, admission criteria and procedures,
- Academic scheduling and staffing,
- Work and coordinate with the chairs of various departments in UCR, sometimes in more than one college/school on matters of interdisciplinary programs with business administration.
- Assist the dean and the assistant/associate dean for External Affairs on the issues of the advisory council, and community programs and outreach,
- Work in teams on various projects such as school website design, business incubators, evaluation of deans and top administrators... .
- International education, and degree and course articulation.

## **AWARDS & GRANTS**

- Fulbright Senior Scholars award for the academic year 1993-94.
- Winner of the Best Student Paper Award for the 1980 Student Paper competition of the Southeastern Chapter of The Institute of Management Science (TIMS).

- Winner of several research grants including grants from RTE-ASEA Corporation, City and County of Riverside, International Labor Organization (ILO) of the United Nations, UCR and UWM.
- Listed in several Who's Who Registries
- Editorial board of *International Journal of Applied Quality Management*
- Editorial Board of *Journal of Operations and Logistics (JOL)*

## **PUBLICATIONS (REFEREED TECHNICAL JOURNAL PUBLICATIONS)**

1. "Simulation of Stochastic Activity Networks," (with A.A. Elimam). Proceedings of the 5<sup>th</sup> International Conference on Simulation Modeling and Methodologies, Technology and Applications; SIMULTECH 2015, Colmar, France; July 2015.
2. "Scheduling and Financial Planning in Stochastic Activity Networks" (with A. A. Elimam), in Essays in Production and Project Planning and Scheduling, Edited by P. S. Pulat, S. C. Sarin, and R. Uzsoy; Springer Science and Business; Vol. 200, 2014, PP. 183-203.
3. "Project Scheduling in Optimizing Integrated Supply Chain Operations", (with A. A. Elimam), *European Journal of Operational Research*; Vol. 224, No. 3, Feb. 2013, pp. 530-541.
4. "Decision Support for Disaster Management" (with E. Rolland, R. Patterson, and K. Ward), in *Operations Management Research*, Volume 3, No. 1-2, 2010, pp. 68 - 80.
5. "Integration of Equipment planning and Project Scheduling", (with A.A. Eliman), *European Journal of Operational Research*; Vol. 184, 2008, pp 962-980.
6. "A Practical and Accurate Alternative to PERT." The **lead article** in Perspectives in Modern Project Scheduling edited by J. Weglorz of Poznan University of Technology, 2006, Springer, pp. 3 – 23.
7. "Production Planning of a Multi-Item-Single Facility System with Non-Stationary Demands," (with M. El-Hafsi). The **lead article** in *International Journal of Operations and Quantitative Management*. Vol. 10, No. 1, March 2004, pp. 1- 22
8. "Decision Support System and Design for Reverse Logistics," (with J. Varzende, K. Farahbod, and A. El-Hafsi), *Journal of International Information Management*, Vol. 12, No. 2, 2002, pp.69-73.
9. "Integrated Project Scheduling and Material Planning with Variable Activity Duration and Rewards," (with A.A. Eliman), *IIE Transactions*, Vol. 33, No. 11, 2001, pp. 1005-1018.
10. "Incentives and Yield Management in Improving Productivity of Manufacturing Facilities", (with A.A. Eliman), *IIE Transactions*, Vol. 33, No. 6, 2001, pp. 449-462.
11. "Project Management in Audit Staff Scheduling" Handbook on Project Scheduling: Recent Models, Algorithms and Applications, edited by F. Hillier of Stanford University and J. Weglorz of Poznan University of Technology, Published by Kluwer, 1999, pp. 509-527.
12. "Tabu Search in Audit Scheduling" (with A.A. Elimam and E. Rolland), *European Journal of Operational Research*, Vol. 106, 1998, pp. 373-392.
13. "Audit Scheduling with Set-up Costs and Overlapping Relationships" (with A.A. Elimam). *European Journal of Operational Research*, Vol. 97, 1997, pp. 22-33.
14. "Determining the Optimal Sequences and the Distributional Properties of their Completion Times in Stochastic Flow Shops." *Computers and Operations Research*, Vol. 23, No. 9, 1996, pp. 829-843.
15. "Multiperiod Multilateral Netting in Cash Management," *Administration and Development*, October/November, 1995.

16. "An Optimum-Based Productivity Improvement Incentive System" (with A.A. Elimam), *IIE Transactions*, Vol. 27, 1995, pp. 394-404.
17. "Optimum Selection and Operation of Sludge Dewatering Processes" (with A.A. Elimam), *IIE Transactions*, Vol. 26, No. 3, May 1994, pp. 89-100.
18. "Random Activity Network Generator" (with E. Demeulemeester and W. Herroelen), *Operations Research*, Vol. 41, No. 5, September – October 1993, pp. 972-981.
19. "Application of Production Scheduling Methods to External and Internal Audit Scheduling" (with H. Chan), *European Journal of Operations Research*, Vol. 52, No. 3, 1991, pp. 267-279.
20. "Stochastic Networks and the Extreme Value Distribution" (with M. Sirvanci), *Computers and Operations Research*, Vol. 17, No. 4, 1990, pp.397-409
21. "Approximating the Stochastic Network by its M Shortest Paths," *Probability in the Engineering and Informational Sciences*, Vol. 3, No. 3, 1989, pp. 435-451.
22. "The Use of Demand Information in Selecting Production Plans and Schedules," *OMEGA: The International Journal of Management Science*, Vol. 15, No. 6, Nov. 1987 pp. 477-488.
23. "Cross-Correlations of National Stock Markets and their Lead-Lag Structure: Some Implications" (with S. Khoury and H. Takada), Recent Developments in International Banking and Finance a refereed book, DC Health, Inc., Lexington, MA, November 1986, pp. 169-186.
24. "A Decision Support System for Audit-staff Scheduling with Precedence Constrains and Due Dates: (with H. Chan), *The Accounting Review*, Vol. LXI, No. 4, October 1986, pp. 726-734.
24. "Minimum Number of Arcs in Conditional Monte Carlo Sampling of Stochastic Network," *INFOR: Canadian Journal of Operations Research and Information Processing*, Vol. 24, No. 1, 1986, pp. 33-44.
25. "Bounding the Project Completion Time Distribution in PERT Networks," *Operations Research*, Vol. 33, No. 4, July-August 1985, pp. 862-881.
26. "Scheduling N Products on a Single Facility with Allowed Backordering," *International Journal of Production Research*, Vol. 23, No. 2, 1985, pp. 329-344.
27. "Approximating the Distribution functions in Stochastic Networks," *Computers and Operations Research*, Vol. 12, No. 3, 1985, pp. 251-264.
28. "Reducibility of PERT Networks," *OMEGA: The International Journal of Management Science*, Vol. 13, No. 3, 1985, pp. 223-232.
29. "Approximating the Criticality Indices of the Activities in PERT Networks" (with S.E. Elmaghraby), *Management Science*, Vol. 13, No. 2, February 1985, pp. 207-223.
30. "Scheduling N Products on a single Family with Allowed Backordering and Fixed Terminal Inventory," *INFOR: Canadian Journal of Operations Research and Information Processing*. Vol. 22, No. 4, November 1984, pp. 317-342.
31. "Determining the Top K-Critical Paths in PERT Networks", *Operations Research*, Vol. 32, No. 4, July-August 1984. Pp. 859-877.
32. "Estimating the Probability Distribution Functions in PERT-Type Networks," *Review of Industrial Management and Textile Science*, Vol. XX, No. 1, Spring 1981, pp. 11-20.

#### **REFEREED CONFERENCE PROCEEDINGS:**

33. "Project Management: Challenges and Opportunities", Proceedings of the National Conference for the Egyptian Society of Engineering Management," with A.A. Elimam, Cairo, Egypt, Nov. 21 – 22, 2005.

34. "Project Compressions in Stochastic Activity Networks," Proceedings of the 4th International Conference on Project Management and Scheduling, Leuven, Belgium, July 1994.
35. "Project Planning and Control: A Status Report" (with S.E. Elmaghraby), Proceedings of the 1981 Fall Industrial Engineering Conference, Washington, DC, December 1981.
36. "Recent Advances in Activity Networks" (with S.E. Elmaghraby and A. Salem). Proceedings of the International Conference on Industrial and Systems Engineering in Developing Countries, Bangkok, Thailand, November 1980.
37. "On Estimating the Probability Distribution Functions in PERT type Networks," Proceedings of the Sixteenth Annual Meeting of the Southeastern Chapter of the Institute of Management Science, Vol. X, 1980.

#### **MONOGRAPH:**

38. Strategic Plan for Business Incubator for the City and County of Riverside (with T. Haugan), Graduate School of Management, UCR, Riverside, CA August 1988.

#### **WORK UNDER REVIEW & WORKING PAPERS:**

39. "Assignment and Loading of Liquid Chemicals to Ship Compartments," (with A. A. Elimam, M. ElHafsi), Under revision for *Operations Research*. 28 manuscript pages.
40. "Simulation of Stochastic Activity Networks", (with A. A. Elimam); submitted to *Operations Research*; 24 manuscript pages.
41. "Arc-Node and Path Indices in Activity Networks", will soon be submitted to an appropriate journal such as *Networks*.
42. "Financial Management in Global Supply Chains," (with A. A. Elimam); being drafted for submission in *MSOM*
43. "Quality Assurance in Project Management" (with A.A. Elimam); will soon be submitted to an appropriate journal

#### **RESEARCH IN PROGRESS**

44. "TOPS: Totally Optimized Project System" (with A.A. Elimam).
45. "Project Compression in Stochastic Activity Networks."
46. "Heuristic Search in Steel Ingot Processing." (with E. Rolland).

#### **TECHNICAL REPORTS AND WORKING PAPERS**

The following are some of the reports of projects I worked with in the years I was with Pullman Standard and thereafter; AGSM stopped processing its working papers series for the last several years:

- "Audit Scheduling with Overlapping Activities and Sequence Dependent Setup Costs," (with A.A. Elimam) AGSM Report No. 09, 1996.
- "Integrated Project Scheduling and Material Planning with Variable Activity Duration and Rewards," (with A.A. Elimam) AGSM Report No. 08, 1996, UCR Riverside, CA.
- "Transshipment Problem with Multiperiod Multilateral Netting," AGSM Report No. 01, 1996, UCR, Riverside, CA.

- “Project Management for External and Internal Auditing Scheduling” (with H. Chan) GSM Report No. 6, September 1986, UCR, Riverside, CA.
- “The Extreme Value Distribution and Stochastic Activity Network” (with M. Servanci), GSM Report No. 5, November 1985, UCR, Riverside, CA.
- “Production Plans and Schedules and Demand Information in Jobs-Shops,” GSM Report No. 4, August 1985, UCR, Riverside, CA.
- “Some Recent Advances in Activity Networks” (with S.E. Elmaghraby, A.M. Salem and A.H. Colby), OR Report No. 198, May 1984, NCSU, Raleigh, NC.
- “Criticality Indices in Stochastic Networks,” Management Research Center, School of Business Administration, University of Wisconsin-Milwaukee, WI, January 1984
- “Scheduling N Products on a Single Facility with Deterministic Demand,” Management Research Center, School of Business Administration, University of Wisconsin-Milwaukee, WI, December 1983
- “Project Management Using Network Analysis,” Management Research Center, School of Business Administration, University of Wisconsin-Milwaukee, WI, May 1982.
- “Random Network Generation” (with Z.M. Naman), OR Report No. 179, June 1981, NCSU, Raleigh, NC.
- “Approximating Criticality Indices in PERT Networks: Summary Results” (with S.E. Elmaghraby), OR Report NO. 174, April 1981, NCSU, Raleigh, NC.
- “On Estimating the Probability Distribution Functions in PERT Type Networks,” OR Report No. 153 (Revised), June 1980, NCSU, Raleigh, NC.
- “Statistical Analysis of the R-46 Failures in New York Subway System,” R&D Dept., Pullman Standard, 1977.
- “Rail Vehicle Classification and Characterization.” Transportation Systems Center of Department of Transportation, Cambridge, MA, 1977.
- “Economics Analysis of Unit Train Car Types,” Marketing Department, Pullman Standard, 1977.
- “Test Data Analysis Automation, DYNAMIC Test,” R&D Dept., Pullman Standard, 1976.
- “Test Data Analysis Automation, STATIC Test,” R&D Dept., Pullman Standard, 1976.
- “Economics of Coal Transport by Rail or Slurry Pipelines,” Office of the President of Pullman Standard, 1976.
- “Sampling Plan for the Inspection of Pullman Leasing Fleet,” Pullman Leasing Company, 200 S. Michigan Avenue, Chicago, IL, 1975.
- “Statistical Analysis of Hoppers Field Reports,” R&D Dept., Pullman Standard, 1975.
- “Optimum Production Sequencing Analysis of Transit Cars,” Planning Board, Pullman Standard, 1975.
- “A Personalized Rapid Transit Station Design,” R&D Dept., Pullman Standard, 1974.

## **PRESENTATIONS AND LECTURES**

- Simulation of Stochastic Activity Networks, (with A.A. Elimam). Presented at 5<sup>th</sup> International Conference on Simulation Modeling and Methodologies, Technology and Applications; SIMULTECH 2015, Colmar, France July 21-24, 2015.

- Determining the Number of Paths and Network Complexity Index in Activity Network, 20<sup>th</sup> Conference of the International Federation of Operational Research Societies; Barcelona, Spain; July 11-18, 2014.
- Determining the Number of Paths and Network Complexity Index in Activity Networks, (with A.A. Elimam). Presented at INFORMS National Conference in Minneapolis, Minnesota, October 5-9, 2013.
- The Management of Recycled Products in a Reverse Supply Chain. Presented at INFORMS National Conference in Minneapolis, Minnesota, October 5-9, 2013.
- The Management of Recycled Products in a Reverse Supply Chain”, (with A.A. Elimam), Presented at the joint INFORMS International and 26<sup>th</sup>. European Operational Research Society, Rome, Italy, July 1- 4, 2013.
- “Scheduling and Financial Planning in Probabilistic Projects”, (with A.A. Elimam), Presented at Fall INFORMS National Conference, Phoenix, AZ, October 14 – 17, 2012.
- “Budgeting and Financial Planning of Stochastic Activity Networks”, (with A.A. Elimam), Presented at Fall INFORMS National Conference, Charlotte, N.C., Nov. 13 -16, 2011.
- “Cash Management of Integrated Supply Chains”, (with Dr. A.A. Elimam); Presented at the 24<sup>th</sup> European Operations Research Annual Conference; Lisbon, Portugal; July 11-15, 2010
- “Project Scheduling in the Management of Integrated Supply Chains”, (with A.A. Elimam); Presented at the School of Business Administration, UCR, Workshop on Supply Chain Management; Nov. 13, 2009.
- “Net Present Value Analysis in Global Supply Chains”, with A. A. Elimam, Presented at the 23<sup>rd</sup> European Operations Research Annual Conference, Bonn, Germany, July 5-8, 2009.
- “Simulation of Stochastic Activity Networks”, with A. A. Elimam, July 7- 12, 2008 INFORS; Johannesburg, South Africa.
- “Simulation of Stochastic Activity Networks”, with A. A. Elimam, Fall INFORMS National Conference, Seattle, Nov. 4-7, 2007.
- “Project Management in Agile Product Development”, with A. A. Elimam, International INFORMS Conference, Puerto Rico, July 8-11, 2007.
- “Project Management: Challenges and Opportunities” with A. A. Elimam, National Conference for the Egyptian Society of Engineering Management,” Cairo, Egypt, Nov. 21 – 22, 2005
- “ Project Scheduling in Agile Product Development”, with A.A. Elimam, Fall INFORMS National Conference, San Francisco, Nov. 13 -16, 2005
- “Impact of Supply Chains on Warehouse Management”, Workshop on Supply Chains, Masrouji Co., Jerusalem, April 19-21, 2005.
- “Totally Optimized Project System (TOPS)”, Invited seminar on Project Management at the School of Business, American University at Cairo, February 28, 2005.
- “Management of High Technology Projects”, with A. A. Elimam, 4th. Hawaii International Business Conference, Honolulu, Hawaii, June 21-25, 2004
- “Totally Optimized Project Management System (TOPS)”, Invited lecture at School of Business, University of Qatar, January, 19, 2004
- “Uncertainties in Activities and Their Durations in High Technology Projects,” with Elimam, invited presentation in the 20th. European Operational Research Conference and International INFORMS, Istanbul, Turkey, July 6-10, 2003.

- “Impact of Equipment Planning on Project Scheduling: Computational Results,” with A. A. Elimam, Fall INFORMS National Conference, Nov. 17-20, 2002, San Jose, California.
- “Production Planning of a Multi-Item Single System with Non-Stationary Demand,” with M. El-Hafsi, 33rd. Annual National Conference of Decision Sciences Institute, Nov. 23-26, 2002, San Diego, California.
- "The Loading and Unloading of Liquid Products in Oceangoing Vessels in Multiple Journeys", with Elimam and Elhafsi, Fall INFORMS National Conference, Nov. 5-8, 2001, Miami Beach, FL.
- "Project Scheduling in the Design and Management of Supply Chains", with Elimam; 18th European Operational Research Conference and International INFORMS, Rotterdam, Holland, July, 9-11, 2001.
- “Human Resources, Material and Equipment Planning in Project Scheduling: An Integrated Approach” (with Elimam and Rolland), 17th. European Conference on Operations Research, Budapest, Hungary, July 16-19, 2000.
- “Assignment of Liquid Products to Oceangoing Vessels”, (with Elimam and El-Hafsi), 17th. European Conference on Operations Research, Budapest, Hungary, July 16-19, 2000.
- “Impact of Quality Assurance on Project Scheduling”, (with Elimam), 12th Annual Decision and Information Sciences Workshop; Istanbul, Turkey, July 6-7, 2000.
- “Assignment of Liquid Products to Oceangoing Vessels”, (with Elimam and El-Hafsi), 17th. Spring INFORMS National Conference, Salt Lake City, UT, May 7-10, 2000.
- “Scheduling N Productions on a Single Facility with Variable Demand”, (with A. Elhafsi), Fall INFORMS National Conference, November 7-10, 1999, Philadelphia, PA.
- “Quality Assurance in Project Management,” (with A.A. Elimam), Spring INFORMS National conference, May 2-5, 1999, Cincinnati, Ohio.
- “Tabu Search in Integrated Project Scheduling,” (with A.A. Elimam and E. Rolland), Fall 1998 INFORMS National Conference, October 25-28, 1998, Seattle, WA.
- “Group Technology in Project Scheduling,” (with A. A. Elimam and S. Sarin), Sixth International Conference on Project Management and Scheduling, July 7-9, 1998, Istanbul, Turkey.
- “On the Tradeoffs of Equipment Planning in Project Scheduling,” (with A.A. Elimam), Sixth International Conference on Project Management and Scheduling, July 7-9, 1998, Istanbul, Turkey.
- “Human Resources, Material and Equipment Planning in Project Scheduling,” (with A.A. Elimam), CORS and INFORMS Spring National Conference, April 26-29, 1998, Montreal, Canada.
- “Enhanced Memory Adjusting Heuristics for Audit Scheduling,” (with E. Rolland and R. Patterson), INFORMS Fall 1997 National Conference, Dallas, October 26-29, 1997.
- Project Scheduling & Equipment Planning,” (with A.A. Elimam), INFORMS Fall 1997 Conference, Dallas, October 26-29, 1997.
- “Totally Optimized Project System,” (with A.A. Elimam), Joint International Meeting of EUOR XV and INFORMS X~IV, Barcelona, Spain, July 14-17, 1997.
- “Integrated Project Scheduling and Material Planning with Variable Activity Duration and Rewards” (with A.A. Elimam, AGSM Workshop on Scheduling and Heuristic Search, May 8, 1997.
- “Project Management in Audit Staff Scheduling”, AGSM Seminar Series, UCR, April 1997.



- “Heuristic Search in Steel Ingot Processing,” (with Erik Rolland), INFORMS Spring National Conference, May 4-7, 1997, San Diego, CA.
- “Totally Optimized Project Systems: TOPS,” (with A.A. Elimam), INFORMS Spring National Conference, May 4-7, 1997, San Diego, CA.
- “Integrating Renewable Resources in Project and Material Planning,” (with A.A. Elimam), INFORMS Fall National Conference, November 3-6, 1996, Atlanta, GA.
- “Audit Scheduling by Heuristic Search,” (with Elimam and Rolland), INFORMS Spring National Conference, Washington DC, May 1996.
- “Long Term Yield Management in Higher Education,” (with Elimam) INFORMS Spring National Conference, Washington DC, May 1996.
- “Yield Management in Higher Education” (with A.A. Elimam) INFORMS Fall National Conference, New Orleans, LA, October 1995.
- “Tabu Search in Audit Scheduling” (with A.A. Elimam and E. Rolland), INFORMS Fall National Conference, New Orleans, LA, October 1995.
- “Audit Staff Scheduling,” Seminar Series, UCR, Riverside, CA May 1995.
- “Material Planning in Project Scheduling” (with A.A. Elimam), INFORMS Spring National Conference, Los Angeles, CA, April 1995.
- “Incentives and Yield Management in Improving Productivity and Quality” (with A.A. Elimam), INFORMS Spring National Conference, Los Angeles, CA, April 1995.
- “Dominance Relations and Solution Procedure for the ELSP,” ORSA/TIMS Fall National Conference, Detroit, MI, October 1994.
- “Project Compression in Stochastic Activity Networks,” 4th International Conference on Project Management and Scheduling, Leuven, Belgium, July 1994.
- “Software in Project Management,” Applied Science University, Amman, Jordan, June 1994.
- “Total Quality Management,” Applied Science University, Amman, Jordan, May 1994.
- “Stochastic Flow Shop Scheduling,” High Institute of Technology, Egypt, December 1993.
- “Improving Quality and Productivity with Financial Incentives for Multi-Product Facilities” (with A.A. Elimam), ORSA/TIMS Fall National Conference, Phoenix, AZ, November 1993.
- “Inventory in Cash Management,” TIMS/ORSA Spring National Conference, Chicago, IL, May 1993.
- “Audit Scheduling with Setup Costs and Overlapping Relationships” (with A.A. Elimam), ORSA/TIMS National Conference, San Francisco, CA, November 1992.
- “An Optimum Incentive System for Multi-Product Facilities” (with A.A. Elimam), ORSA/TIMS National Conference, San Francisco, CA, November 1992.
- “Optimal Sequence and its Properties in Stochastic Flow Shop Scheduling,” UCR, Riverside, CA, April 1992
- “An Optimization-Based Productivity Improvement Incentive System” (with A.A. Elimam), Joint National Meeting of ORSA/TIMS, Anaheim, CA, November 3-6, 1991.
- “Multi-period Multilateral Netting in Cash Management,” National Meeting of TIMS/ORSA, Nashville, TN, May 12-15, 1991.
- “The Distributional Properties of the Optimal Sequence in the Stochastic Flow Shop Problem,” School of Business, University of Wisconsin, Milwaukee, WI, September 1990.

- “A Practical and Accurate Alternative to PERT Procedure,” Second International Workshop on Project Management and Scheduling, University Technologie De Compiegne, France, June 20/22, 1990.
- “The Generation of Strongly-Random Activity Networks,” Fall Joint National Conference of ORSA/TIMS, New York, NY, October 1989.
- “A Heuristic Algorithm for Scheduling the M-Machine, N-Job Stochastic Flow Shop Problem,” Joint Conference of EURO, AFCET and TIMS, Paris, France, July 1988.
- “Identifying the K-Shortest Paths in Stochastic Networks,” Joint National Meeting of ORSA/TIMS Fall Conference, St. Louis, MO, October 1987.
- “Material Requirement Planning in Cash Management” (with S. Khoury), Joint National Meeting of TIMS/ORSAs, New Orleans, LA, May 4-6, 1987.
- “Audit Staff Scheduling,” Graduate School of Management, University of California, Irvine, April 1987.
- “Bounding the Distribution Function of the Project Completion Time in PERT Networks,” Statistics Dept., UCR, Riverside, CA, March 1987.
- “Project Management in Audit Scheduling” (with H. Chan), Joint National Meeting of TIMS/ORSAs, Los Angeles, CA, April 1986.
- “Lead-Lag Relations Between International Stock Markets” (with s. Khoury and H. Takada), Joint National Meeting of ORSA/TIMS, Los Angeles, CA, April 1986.
- “A Decision Support System for the Planning of Agriculture Pesticide Production” (with A.A. Elimam), Joint National Meeting of ORSA/TIMS, Atlanta, GA, November 1985.
- “Approximation of PERT Networks by the K Longest paths” (with M. Servanci), Joint National Meeting of ORSA/TIMS, Atlanta, GA, November 1985
- “The Extreme Value Distribution and PERT Networks” (with M. Servanci), Joint National Meeting of ORSA/TIMS, Atlanta, GA November 1985.
- “Optimal Production Schedules and the Market Information,” Joint National Meeting of TIMS/ORSAs, Dallas, TX, November 1984.
- “Minimum Number of Arcs to Condition on in Stochastic Network Analysis,” Joint National Meeting of TIMS/ORSAs, San Francisco, CA, May 1984.
- “Bounding the Project Completion Time Distribution in PERT Networks,” Joint National Meeting of TIMS/ORSAs, Orlando, FL, November 1983
- “Scheduling N Jobs on a Single Facility with Allowed Backordering,” Joint National Meeting of ORSA/TIMS, Chicago, IL, April 1983.
- “Identifying the Top K Critical Paths in PERT Networks,” Joint National Meeting of ORSA/TIMS, San Diego, CA October 1982.
- “Project Planning and Control: A Status Report” (with S.E. Elmaghraby), Fall Industrial Engineering Conference, Washington, DC, December 1981.
- “Approximating the Criticality Indices of Activities and Paths in PERT Networks” (with S.E. Elmaghraby), Joint National Meeting of TIMS/ORSAs, Toronto, Canada, May 1981.
- “Estimating the Probability Distribution Functions in PERT Type Networks,” Joint National Meeting of TIMS/ORSAs, Washington, DC, May 1980.

## **SERVICES (Served or serving on the following):**

## PROFESSIONAL SOCIETIES AND ACTIVITIES

- **Editorial Board:**
  - Editorial Board of *International Journal of Applied Quality Management*
  - Editorial Board of *Journal of Operations and Logistics (JOL)*.
- **Member of:**
  - Institute of Industrial Engineering (IIE)
  - Institute for Operations Research and Management Sciences (INFORMS)
  - American Production and Inventory Control Society (APICS)
  - Project Management Institute (PMI)
  - Fulbright Association
  - Some of the technical sections and local chapters of the above national/international organizations
  - Several national and local civic and social organizations
- Publication Chairman for the 32nd Joint National Conference of the ORSA/TIMS, held November 3-6, 1991, in Anaheim, CA.
- Executive Committee of the Technology and Engineering Society of INFORMS since 1999.
- Chaired and organized clusters and sessions in the National and International Conferences of TIMS/ORSAs, INFORMS, and International Conference on Scheduling and Project Management.
- Organized AGSM workshop on Scheduling and Heuristic Search, May 8, 1997, and participated in organizing SoBA workshop on Supply Chain Management in November 12, 2009.
- Presented over 85 papers in National or International Conferences of IIE, TIMS/ORSAs; INFORMS, International Scheduling and Project Management Conference, and Invited to lectures or present seminars in universities and local organizations; see the above list of presentations.
- Served as an External Evaluator for several tenure reviews of faculty in premier research oriented universities.
- Listed in the Strathmore's Who's Who Registry; International Biographical Center, Cambridge, and few others
- **Referee for:**
  - *Institute of Industrial Engineering Transactions (IIE Transactions)*
  - *Management Science*
  - *Operations Research*
  - *European Journal of Operational Research*
  - *Decision Sciences*
  - *Computers and Operations Research*
  - *International Journal of Production Research*
  - *Networks*
  - *Journal of Operations Management*
  - *National Science Foundation*

### Alfaisal University

- Member of the Deans' Council, 2013 - Present

### College of Business

- Chair of Recruiting Committee, 2013 –Present
- Member of MBA Committee, 2013 – Present
- Member of Undergraduate Business Administration Committee, 2013 – Present
- Member of Research Committee, 2013 - Present

## **University of California**

### **AGSM/School of Business Services**

- Associate Dean for Undergraduate Programs, 2000-2003, and again 2007- 2010
- Manager of the Accreditation Project, 2002 -2003
- Member of the Accreditation and Planning Committee, 1998- 2002
- Associate Dean for Academic Affairs, July 1996–2000
- Associate Dean and Chair of the two AGSM Departments 1999-2000
- Chair of Business Administration Program, 1987-91, 1996–03 and from 2007- 2010
- Elected chair of the faculty for the period 1991–93 and from 1995–97
- Chair of the Executive Committee for the period 1991-93, 1995–97
- Member of AGSM Executive Committee 1988-91, 1996-2003, 2006 – 2010, & 2012 - 2013
- Member of the MBA Admission Committee 1995-96 and 1987-90
- Chair of Ph.D. Committee 1994-95
- Chair of AGSM Space and Building Committee 1992-93 and 1997-98, and 2001-02
- Member of By-laws Committee 1994-95
- Planning Committee 1991-92
- MBA Committee 1988-91, and 2000- 01
- Computer Committee 1984-87
- Recruiting committees chair 13 times and member over 15 times for Management Science, Operations Management, and MIS within the period of 1985-03;
- Member of seven other recruiting committees in 1999-00;
- Member of recruiting committees for the two open positions in SCM, and two senior positions in Finance 2007-08, and
- Member of SCM for one open position in 2011-12
- Chairman of the Ad Hoc Committee to revise the OR/MS, MIS, P/OM, Stat., and Math curriculum for the MBA, and the Undergraduate Business Administration Programs.

### **UCR Campus Service**

- Academic Integrity Committee, 2012 - 2013
- Member of UCR Strategic Planning Committee on “Education Excellence” 2009- 2010
- Member of different Associate Deans committees, 2007- 2010
- Member of the Graduate Council, UCR, 2006 – 2008
- University of California Education Abroad Program, 2003 -2006
- Member of Committee on Educational Policy, 1996-1999, and 2010- 2011
- UCR Executive Committee 1995-97 and from 1991-93
- Undergraduate Council 1988-91
- Long Range Planning Subcommittee on Business Education 1988-89
- University Extension Committee 1986-88
- Commons Board of Governors 1986-87
- Served on several academic ad-hoc committees for appraisals, tenure, and promotion; Education Abroad Program; and for evaluating some high level campus administrators such as deans and EVC & Provost.

### **UC Service**

- Director of the University of California Education Abroad Center in Cairo, 2003 - 2006
- Representative of UCR Faculty to the University of California Assembly, 2000- 2002

## Other Academic Activities

- Summer 1989 Taught Production and Operations Management in the Executive MBA, Graduate School of Management, University of California, Irvine, CA.,
- 1993/1994 Fulbright Exchange Scholar

## American University, Cairo (AUC) Services

- Director of the University of California Study Center, (July 2003- 2006)
- Member of the International Students Committee to select AUC students for study abroad, including UC campuses, (July 2003-2006)
- Member of the Research Committee at the School of Business, Economics, and Journalism, (July 2003- 2006)

## 1981-84 Services at University of Wisconsin

- Research and worked with local industry and businesses on practical problems. My research was centered in the areas of Stochastic Networks, Project Planning and Control, Scheduling and Inventory Control.
- Taught graduate and undergraduate courses in Production/Operations Management, Management Science and Statistics.
- Developed a series of forefront seminars, mostly in the areas of Networks and Project Management, for the business and industry managers and executives in greater Milwaukee area through the school's Business Research Center.
- Served on the:
  - Management Science Committee (1981 - 84)
  - Long Range Planning Committee (1982 - 84)
  - Management Research Committee (1982 - 84)

## Industrial and Business Experiences

- Summer 2003–present: Consultant in the areas of Logistics, Distribution and Warehouse Management; SCM, and Project Management
- Summer 1994 Worked with International Labor Organization of the UN to train management trainers, mostly in the area of Operations Management and Project Management.
- Fall 1992 Worked with Rohr Industries, Riverside, CA, on minimizing the composite material scrap in producing cases for aircraft engines.
- Fall 1991 Participated in workshops on total quality management for the Inland Empire business community; and more recently in several other organizations.
- Winter 1988 Worked with Business Research Bureau of GSM on development of Business Incubators for the city and county of Riverside, California. A complete study was presented to the city.
- Fall 1983 Presented a series of forefront seminars for the business and industry executives and managers about the use of network models as management tools (through Business Research Center of the University of Wisconsin).
- Summer 1982 Worked with RTE-ASEA Corporation, Waukesha, WI, on developing project management teams.
- 12/77 – 08/78 **Senior Systems Engineer**, Engineering Dept., Pullman Standard, Chicago, IL.  
to improve the efficiency and productivity of the Engineering Dept. by developing a management information system, database, working schedules, and coordinating with other departments. Also, I worked independently on special assignments related to product design and manufacturing. See some of the technical reports listed earlier in this resume.
- 8/74 – 12/77 **Systems Engineer**, R&D Dept., Pullman Standard, Hammond, IN.  
*Duties:* Market analysis, feasibility studies, proposal writing, data processing, use of statistical and management science analyses for design improvement, and applying

OR and statistical techniques to engineering functions. Assisting program managers in project management.

**COMMUNITY SERVICES:**

- Lecturer and panelist on contemporary economic and political issues in Southern California World Affairs Council chapters (Orange County, and San Diego), UCR, and other organizations.
- Member of several civic and interfaith organizations.

**REFERENCES:** Will be provided upon request.