

Homayoun Khamooshi

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EDUCATION

Oct.1992-APR.1993
(Full time)

Lancaster University

Ph.D. Management Science, from the Department of Operational Research and Management Science, My Ph.D. research has been on resource constraint project scheduling and I have developed a model called Dynamic Priority Scheduling Method (DPSM).

Oct.1989-Oct.1992
(Part-time)

Lancaster University

Lancaster, LA1 4YW, UK.

(Awarded scholarship)

Jul.1979-Jan.1980

Institute d' Administration des Entreprises

Aix-en-Provence, France

(Awarded full scholarship)

Doctoral Coursework for Ph. D. in Management

Sep.1977-Apr.1979

Asian Institute of Technology (AIT)

Bangkok, Thailand

Master of Engineering (M. Eng.): Industrial Engineering and Management

(Awarded full scholarship)

Sep.1973-Sep.1977

Abadan Institute of Technology (AIT)

Abadan, Iran

B.Eng. General Engineering, Major in Mechanical Engineering

CAREER HISTORY

Jan 2003-Present

The George Washington University, School of Business,

Department of Decision Sciences, Project Management Program

Associate Industry Professor of Project Management and Academic

Director of Master of Science in Project Management,

Chair Project Management Academic Committee

I have taught a number of courses at postgraduate level, including:

DNESC6202: Mathematics and Statistics for Management

MBAD6220: Statistics for Managers

DNESC6226: Computerized Decision Making

DN6261: Introduction to Project and Program Management
DN6266: Project Risk Management
DN6269: Project Management Applications (Capstone)
DN6268: Project Cost Estimation and Control
DN6267: Project Planning and Scheduling
DN6262: Computational Methods for Project Management
 DN6223: Operations Strategy
 DN6261: Risk Analysis and Management

I have served as a member of the following committees:

- *GWU School of Business Curriculum Committee 2010-2012*
- *GWU Honors and Academic Convocation Committee 2004/05, 2005/06, 2006/07, 2007/08, 2008/2009 and 2009/ 2010, 2010/2011and 2011/2012, 2012/2013*
- *GWU Senate Research Committee 2003/2004*
- *Teaching Excellence Task Force 2011/2012/2013/2014/2015/2016*

Jan.1994-Dec. 2002

University of Northampton, UK, Faculty of Management and Business (Northampton Business School), Boughton Green Road, Northampton, NN2 8SY,U.K.
 Position: Principle Lecturer in Management Science, Deputy Head of School. Responsibilities held in the past:

- *Field chair for Management Science and Information Systems Subject Groups and Deputy Head of School*
- *Program leader (year3) of BA Business Information Systems and teaching a variety of undergraduate and postgraduate courses in Management Science, Statistics, Project Management and Information Systems.*

Sep.1996-2002

Member of the following committees for a number of years:

- *School Academic Board (1996-2002)*
- *School Research Committee (1997-2002)*
- *Faculty Academic Board (1994-2002)*
- *Faculty Research Committee (1998-2002)*
- *Faculty Academic Standard Committee (2000-2002)*

Jan.1980-Sep.1992

National Iranian Oil Co. (NIOC), Tehran, Iran

Positions held:

May.1992-Sep.1992

Associate Head of Vocational Training Division, Central Training

Jun.1985-May.1992

Senior Lecturer in applied OR and Project Management, Management Training

Jul.1980-Jun.1985

Project Engineer/Project Manager, Tehran Refinery

Jan.1979-Jul.1979

Asian Institute of Technology

Computer centre, Bangkok, Thailand
Position: Research Associate in project management

Jun.1985-Sep.1992 **Ministry of Science and Higher Education**
Alameh Tabatabaee University, School of Accounting and
Management, Tehran, Iran
Position: part-time lecturer in OR

Jun.1985-Sep.1992 **Industrial Management Institute (IMI)**
Tehran, Iran.
Position: P/T Lecturer/facilitator of training courses. The courses I
taught were:

- *Strategic planning*
- *Corporate planning*
- *problem solving and decision making*
- *project planning and control*
- *production and operations planning*
- *work study*
- *Mathematical Modeling and Structured Decision Making*

CONSULTING EXPERIENCE:

- *I have delivered more than a hundred of PM executive education training and consulting programs for companies all over the world from England, US and India to Brazil, China and Korea.*
- *Planning scheduling and control of a number of development projects within the oil industry. Implementation of earn value analysis and earn value management system (EVA: Earned Value Analysis) as part of Project control for more than 10 years for National Iranian Oil Company.*
- *Management of an information system development project for a 1000 bed Hospital for Ministry of Health in Iran, as the project manager I was responsible for EVA (Earned Value Analysis) and control of the project.*

GRANTS:

- *Lead Consultant and Manager of an information system project for a manufacturing company in UK under TCS (Teaching Company Scheme) of UK. A Grant of more than \$200000 was secured for the university through this collaboration of university and industry project.*
- *I have been awarded a grant for \$55000 in collaboration with my colleague Prof. Cioffi to work on, and build a model for strategic analysis and decision making in implementation of renewable energy.*

RESEARCH AND PUBLICATIONS:

My research area of interest is *Project, Programs and Portfolios as dynamic systems in general and more specifically Project Planning and Control, Project Risk Analysis and Management, using operational research tools and techniques including mathematical modelling and systems simulation.*

Book Publications:

Translation and publication of two books:

- *Workbook for Corporate Planning* by Edward J. Green by AMA(American Management Association publications), 1992
- *How to Audit General Management* by John H. Mc.Connell by AMA (American Management Association publications), 1992

Book Chapter

- *A Chapter on Project Selection in " Enterprise Project Management" by Chandra Sekhar, pages 172-188, ICFAI University Press,2005*
- *"Managing the Schedule", Chapter2 of Gower Handbook of Project Management, 5th Edition, Rodney Turner,2014*

Training Case Studies in the print by L&T Project Management Institute (2013)

- *Varshney, V.K., Rao, P.N., Muralidharan, R.,Khamooshi, H., and Jain, S. Travails in Desert due to Change in Scope: A CaseStudy on Scope Management on Rajasthan Project. In L&T Case Studies inProject Management. Vadodara, India: L&T Institute of ProjectManagement. (Sept. 2011)*
- *Nainamalai, P., Pillai, S.M., Singh, P.K., Khamooshi,H., and Jain, S. Monsoon Magic and Challenges in Scheduling: A Case Study onManaging Delay in a Critical Project. In L&T Case Studies in ProjectManagement. Vadodara, India: L&T Institute of Project Management.(Sept. 2011)*
- *Paranjpe, A., Chowdary, N.B., Iyyunni, C., Khamooshi,H., and Jain, S. Delayed Brightness for Citizens of Chirasat: A Case Study onProject Risk Analysis. In L&T Case Studies in Project Management.Vadodara, India: L&T Institute of Project Management. (Sept. 2011)*

- Lakshmanan, K., Sahoo, C., Iyyunni, C., Khamooshi, H., and Jain, S. *Malacca Conundrum: A Case Study on Supply Chain Management*. In *L&T Case Studies in Project Management*. Vadodara, India: L&T Institute of Project Management. (Sept. 2011)

Refereed Published Journal Papers

- Salari M., Khamooshi H., 'A better project performance prediction model using fuzzy time series and data envelopment analysis', *Journal of Operations Research Society (JORS)*, 2016, 0, 1-14 (under print)
- Khamooshi H., Golafshani H., 'EDM: Earned Duration Management, a new approach to schedule performance management and measurement', [*International Journal of Project Management*, Volume 32, Issue 6](#), August 2014, Pages 1019–1041
- Khamooshi H., Cioffi Denis, 'Uncertainty in Task-Duration and Cost Estimates: A Fusion of Probabilistic Forecasts and Deterministic Scheduling,' May 2013, *JCEM (Journal of Construction Engineering and Management)*.
- Khamooshi H., Cioffi Denis, "Program Risk Contingency Budget Planning', *IEEE*, Feb.2009, Vol 56, no.1.
- Cioffi Denis, Khamooshi H. , 'A Practical Method to Determine Project Risk Contingency Budget', *Journal of Operational Research Society (JORS)*, vol. 60, no.4. 2008.
- Glickman, T. and Khamooshi, H. 'Using Hazard Networks to Determine Risk Reduction Strategies', *Journal of Operational Research Society*, 2005, vol. 56, 1265-1272.
- Khamooshi, H. and King, A. 'IS/IT Requirements Elicitation/Specification Procedure Assessment within a UK Government Service Organization', *Journal of Information Technology Management Volume XV, Number 3-4*, 2004, ISSN #1042-1319
- Khamooshi, H. 'Towards an Integrated Approach to Corporate Project Selection Strategy , paper was published in the special issue of *Projects and Profits in Enterprise Project Management* by ICFAI University Press, Nov. 2004.
- Khamooshi, H. 'Dynamic Priority- Dynamic Programming Scheduling Method (DP)2SM: a dynamics approach to resource constraint project scheduling', *International Journal of Project Management*, Vol.17, No 6, pp383-391, , 1999

- *Khamooshi, H. 'Network-based Project Scheduling': published in Industrial Management and Data Systems journal No.8, 1996, MCB University Press, UK.*

Refereed Published Conference Papers

- *Khamooshi H., Cioffi Denis, 'Analytic Contingency Setting: An Algorithm for Estimating Contingencies', INFORMS 2010 annual conference, Austin, Texas.*
- *Cioffi Denis, Khamooshi H., Kwak YH, 'Revamping a Curriculum: GWU's Modern Comprehensive Project Management MS (in two delivery systems), INFORMS 2010 annual conference, Austin, Texas.*
- *Rustambekov E., Khamooshi H., 'Did Credit Rating Agencies overlook how TARP banks violated risk contingency rules?' Corporate Governance, Pen State University, Summer 2010*
- *Khamooshi H., Cioffi Denis, 'An Optimal Fund Distribution for Delayed Projects', presented and published in PMI Research Conference proceedings, July2008, Warsaw, Poland*
- *Khamooshi, H. and Glickman, T. 'Optimal Budget Allocation for Project Risk Mitigation' was presented and published in proceedings of IERC 2008 Annual Conference, May 17-21, 2008, Vancouver, BC, Canada*
- *Khamooshi, H. 'An Optimized Strategy Approach to: Milestones Delay Management (MDM)' AACE Conference New Orleans, LA, June2005*
- *Khamooshi, H. 'Expediting a Project, an Optimized Strategy Approach: Milestones Delay Management (MDM)', 12th IFORS Triennial Conference, July 11-15 2005 Hawaii*
- *Khamooshi, H. 'A Dynamic and practical approach to Project Risk Management, Proceedings of 21st annual conference of AOM/IAOM in Norfolk Virginia, April 2004*
- *Khamooshi, H. 'IS/IT Requirements Elicitation/Specification Procedure Assessment within a UK Government Service Organization' ,Proceedings of 21st annual conference of AOM/IAOM in Norfolk Virginia, April 2004*
- *Khamooshi, H. 'Total Project Risk Profile: a practical approach to PRAM', Proceedings OR42 Conference, Swansea 12-14 September ,2000*
- *Khamooshi, H. 'Strategic Project Risk Analysis and Management (SPRAM) an AHP-based Approach', Proceedings of OR41 Conference, Edinburgh 14-16 September 1999.*

- *Khamooshi, H. 'Dynamic Priority Dynamic Programming Scheduling Method (DP)²SM', paper presented to 22nd International Conference on Computers and Industrial Engineering, Cairo Egypt, 20-22 December 1997.*
- *Khamooshi, H. 'A Systems Dynamic Approach to PRAM (Project Risk Analysis and Management)', Proceedings of 39th Operational Research Society Conference University of Bath, 9-11 September 1997*
- *Khamooshi, H. 'Bridging the Gap: Dynamic Priority Scheduling Method (DPSM) a Dynamic Approach to Project Scheduling', paper was presented and published in the Proceedings of the 14th triennial conference of International Society of Operational Research IFORS in Vancouver, Canada, 1997.*
- *Khamooshi, H. 'Resource Constrained Project Scheduling, Search for Quality Schedule, a Dynamic Approach', Published in Proceedings of OR38 (Operational Research Society Conference) at Warwick University, 1996.*

Invited Workshops and Webinars:

"EDM: Earned Duration Management, a new approach to schedule performance management and measurement" , PMIWDC Chapter, Tuesday, December 15, 2015 - 5:30pm - 6:30pm, Washington DC.

"Industry Focus: U.S Federal Government, From Enterprise to Project Risk Analysis and Management: A Practical Method for Managing Risk and Contingency (Unified Risk Method)" , AACE, June 30, 2013 Washington DC.

Editorial, Membership of Professional Bodies & other Activities

- *National Science Foundation Reviewer of research project proposals*
- *Reviewer for **Journal of Applied Statistics***
- *Reviewer for **journal Cost analysis and Parametric***
- *Reviewer for the **International Journal of Decision Sciences, Risk and Management (JDSRM)***
- *Reviewer for the **JPMA (Journal of Project Management Association)***
- *Reviewer for the **PMJ (Project Management Journal)***
- *Reviewer for the **Journal of Construction Engineering and Management***
- *Reviewer for the **journal of Computers and Industrial Engineering***
- *Reviewer for **American Association of Cost Engineers Transactions(AACE)***
- *Editor of **International Journal of Effective Management (member)***
- *Member of APM for more than 7 years (1996-2002).*
- *Member of PMI since 2010.*
- *Member of INFORMS(Institute for Operations Research and Management Science)*
- *Member of AACE or American Association of Cost Engineers.*

- *Member of AACE roundtable on EVM and Cost Management*
- *Member of GAO Experts on cost and schedule management*