

Elham Ghashghai, PhD

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Profile

Senior project leader at the Aerospace Corp. for complex system design and evaluation. Broad background in math-modeling, system engineering and public policy. Prior to joining the Aerospace Corp., was with the RAND Corp., leading multi-disciplinary team contributing to a variety of studies for future aerospace architecture, communication satellite design, operations research, Global Positioning System (GPS), information technology, and Middle East policy analysis. Taught variety of courses at University of Southern California (USC) and the Loyola Marymount University (LMU) and published numerous papers.

Areas of expertise: team building, leadership and innovation, organizational strategy, strategic thinking, program management, policy analysis, government relations, aerospace system engineering, architecture design and evaluation, satellite communication network design, graduate and undergraduate teaching and mentoring.

Employment

Senior Project Leader, Aerospace Corporation, El Segundo, California **2008-Present**

Led multidisciplinary teams to provide analysis to decision makers on a variety of projects. My role includes building and directing teams with a wide background in various engineering and operations disciplines, interact with the customers, research and government organizations, write proposals and manage the funding (~\$3M.).

Full Systems Analyst, RAND, Santa Monica, California **2004-2008**

Led multi-disciplinary teams with background in engineering, computer sciences, social sciences, lawyers and physicians in complex system analysis to support US strategy and policy projects.

Associate Engineer, RAND, Santa Monica, California **1999-2004**

Member of staff, Aerospace Corporation, El Segundo, California **1997-1999**

Teaching Experience

Instructor, Mathematics, Operations Research, and Industrial Engineering, Purdue University, 1991-1997.

Adjunct Faculty, LMU. Courses: System Engineering Case Studies - Fall 2008 - present

Adjunct Faculty, Industrial and System Engineering Department, USC. USC - Spring 2009 - Spring 2012.

Education

PhD in Industrial and System Engineering, Purdue University, Indiana, June 1997.

MS in Mathematics, Purdue University, Indiana, June 1993.

BS in Mathematics and Philosophy, Berea College, Kentucky, June 1991.

Publication

Available by request.
