

Gamze Karayaz, Ph.D.
Assistant Professor
Işık University Management Department
gkarayaz@isikun.edu.tr

Education

Doctor of Philosophy, Engineering Management and Systems Engineering (December 2006)
Old Dominion University, Norfolk, Virginia, College of Engineering & Technology
Dissertation Title: A dyadic composition to foster virtual team effectiveness: An experimental study
Advisor: Dr. Charles B. Keating

Master of Engineering, Operations Research and Systems Analysis (2002)
Old Dominion University, Norfolk, Virginia, College of Engineering & Technology
Engineering Management & Systems Engineering

Bachelor of Art, Business Administration (1993)
Dokuz Eylul University, Izmir, Turkey
College of Business, Department of Business Administration

Research Interests

Project management, strategic project management, virtual team effectiveness, virtual project management and team dynamics (specifically team member satisfaction in a virtual project team), virtual collaborative environments in education, knowledge management and strategic management (specifically balanced scorecard).

Teaching Experience

Instructor (October 2006-Present)

Işık University

Undergraduate

MAN 351 Production Management
MAN 352 Management Information Systems
MAN 371 Strategic Management
MAN 402 Business Communication
MAN 472 Managerial Decision Making
MAN 473 Business Project Management

Graduate

MAN 514 International Management

Instructor (2004&2006)

ENMA 302 Engineering Economics

Old Dominion University

Teaching Assistant (2001)

ENMA 614 Logistic & Supply Chain Management

Old Dominion University

Research Experience

Analysis of the Impact of Işık University on the Local Economy (January 2007-September 2008) (co investigator with Associate Prof. Mehmet Emin Karaaslan)

Systems of Systems Engineering Environment Analysis for Border Security funded by Department of Homeland Security, Fall 2004- Fall 2006

Systems of Systems Engineering Modeling for Port Security (with U.S. Coast Guard) funded by Department of Defense, Fall 2004-May 2004

Security System Modeling using Systems of Systems Engineering funded by Virginia Port Authority, June 2003-May 2004

Virtual Collaborative Environments for the Undergraduate Curriculum in partnership with Robert Morris University funded by National Science Foundation, August 2002-December 2002 Project Research Assistant.

Investigation of Error Patterns in Geographical Databases sponsored by NASA Center for AeroSpace Information (CASI), Langley, VA, December 2000-August 2002

Refereed Publications

Journal

Karayaz, Gamze, "Design of Project Management Systems" under review- *Engineering Management Journal*, (with Morgan Henrie, and Charles B. Keating)

Karayaz, Gamze, "Utilizing Knowledge Management for Effective Virtual Teams" *The Business Review, Cambridge*, Vol.10. No.1. Summer 2008

Conference Proceedings

Karayaz, Gamze, and I. Gozde Cildir "Managing Virtual Teams Using Knowledge Management" *6th International Knowledge, Economy, and Management Conference*, (December 26-28, 2007),

Karayaz, Gamze, and Charles B. Keating "Virtual Team Effectiveness Using Dyadic Teams" *Proceedings from the 2007 Portland Engineering Technology and Management Conference*, (August 4- 9), pp.2593-2603

Arnaut Jean Paul, **Karayaz, Gamze**, and Pinto Ariel "Extreme Value Theory for risk managers using tail related risk measures, *Proceedings from the 2006 American Society for Engineering Management National Conference*, (October 25-28)

Arnaut Jean Paul, **Karayaz, Gamze**, and Sousa-Poza Andres "Employee Commitment and Turnover: Literature and Data Analysis of Correlations", *Proceedings from the 2006 American Society for Engineering Management National Conference*, (October 25-28)

Bradford Logan, **Karayaz, Gamze**, and Charles Keating "Development of a System of Systems research Laboratory" *Proceedings from the 2006 American Society for Engineering Management National Conference*, (October 25-28)

Karayaz, Gamze and Keating, Charles. "An examination of task and team structure to foster virtual team effectiveness", *Proceedings from the 2005 IEEE International Engineering Management Conference*, (September 11-14), pp. 333-338

Karayaz, Gamze and Keltz, Ilean. "An experiment rehearsal: Pilot study guide for engineering managers", *Proceedings from the 2005 American Society for Engineering Management National Conference*, (October 26-29), pp.337-343.

Karayaz, Gamze. "Dealing with effectiveness on virtual team research", *Proceedings from the 2004 American Society for Engineering Management National Conference*, (October 20-23), pp.241-247

Karayaz, Gamze. "Socio-Technical Balance Framework Approach in Virtual Team Research", *Proceedings from the 2004 American Society for Engineering Management National Conference*, (October 20-23), pp.249-255

Technical Reports

Investigation of Error Patterns in Geographical Databases, David Dryer, Derya A. Jacobs, **Gamze Karayaz**, Chris Gronbeck, Denise R. Jones, October 2002, NASA Center for AeroSpace Information (CASI), Langley Research Center, VA.

Conceptual Design of an Environment to Analyze Systems of Systems, Rafael Landaeta, and **Gamze Karayaz**, July, 2005, National Center of Systems of Systems, VA

Awards & Memberships

Awards& Honors

The Faculty Excellence Award in Academics, 2002, Engineering Management & Systems Engineering Department

Master's degree fully funded with a graduate research assistantship, Old Dominion University

PhD education fully funded with a graduate research assistantship, Old Dominion University.

Memberships

Project Management Institute

Academy of Management Society

INFORMS

IEEE Engineering Management Society

Epsilon Mu Eta, The Engineering Management Honor Society

Service & Training

Academic Service

Serves as a reviewer for;

Hawaii International Conference on Systems Science; ASEM conference; Academy of Management Annual Meetings: Operations Management, Organizational Communication & Information Systems, and Organization Development & Change Divisions ; PICMET Conferences

Faculty Advisor of Management Club at Isik University

Chair of Bologna Committee and Departmental Erasmus Coordinator

Serves as technical chair for ASEM,PICMET Conference(s)

Professional Service

Project Management Institute (PMI Turkey Chapter), Vice President of Membership,2007-2009

Advanced Computer Skills

Microsoft Office Applications including Visio and Project

Commercial statistical packages: SPSS®

Familiarity with Modeling & Simulation: PowerSim Studio, Vensim® PLE, Flexsim®, and Arena®

Familiarity with Expert System Software: Exsys®

Familiarity with Artificial Neural Network softwares: NeuralWorks® and NeuroSolutions®

Familiarity with Rational Rose Object Oriented Modeling Program

Web development and database applications (familiarity with Apache, PhP, MySQL)

Industrial Experience

Business Process Reengineering Consultant

Old Dominion University, Research Foundation, Norfolk, VA (August 2001 - October 2001)

Export-Import Executive

OZTURE Holding Inc. Izmir, Turkey & MINEREKS Foreign Trade S.A (June 1995 - August 1999)

Export Planning Analyst & Assistant Export Manager

EMES Foreign Trade S.A., Izmir, Turkey (October 1992 – April 1995)