

Curriculum Vitae

- Name:** Ostadi, Bakhtiar
- Nationality:** Iranian
- Present job:** - Associate Professor, School of Industrial and Systems Engineering,
Tarbiat Modares University
- Education:**
- Ph.D. in Industrial Engineering, Tarbiat Modares University, Tehran, Iran, October 2006 - to July 04, 2010, Dissertation: "An Examination of the Role of the Quality Management Systems in the Preparation and Implementation Stages of BPR Projects Using Concept of Dynamic Capabilities and RBVF Model".
 - Master of Science in Industrial Engineering, University of Tehran, Tehran, Iran, From: Sep 28, 2001 To: July 16,2003, Dissertation: "Cost management in a Flexible Manufacturing System with Activity-Based Costing approach: case study in Forging Industry."
 - Bachelor of Science in Applied Mathematics, K. N. Toosi University of Technology, Tehran, Iran, From: Sept 28,199 To: Oct 6,2001.
- Languages:**
- English, good in speaking, reading and writing
 - Farsi
- Research Interest Areas:**
- 1) Data-Driven Risk Assessment
 - 2) Pricing Strategies for Bidding
 - 3) Resilience engineering
 - 4) Quality Engineering and Management
 - 5) Process Management, Modeling and Simulation
 - 6) Reliability Engineering
 - 7) Customer Value, Customer Experience, and Marketing

**Research
Projects:**

- Implementing the Activity Based Costing Systems in I. T. FORGING Co., Tabriz, Iran, 2003.
- Cargo Train Scheduling in Tehran – Mashhad Route, 2002-2003.
- Implementing of SPC and examination of process capability studies in Automated Flexible Assembly Process of Iran Khodro Co., 2005-2006.
- Major civil projects analysis based on risk management, University of Tehran, Iran, 2007-2008.
- Business Process Reengineering in Iranian Sport Org., 2008-2009.
- Evaluation of Dependability Management system in the Gas Refinery Process based on RAMS Indicators, in Sarkhon and Qeshm Gas Treating Co., Bandar-Abbas, Iran.2010-2011.
- Decision making for Terrestrial platforms: based on Islamic Republic of Iran Broadcasting (IRIB) strategies, Tehran, Iran, 2011-to date.
- Business Process Reengineering in Iran Insurance Company, Tehran, Iran, 2011-2012.
- Business Process Reengineering in Setad Farman Emam, Tehran, Iran, 2012-to date
- Change Management in Iran National Tax Authority (INTA) for change projects, Tehran, Iran, 2011 – to date.
- Developing the Excellency road map for Hamrah-e-Avval (MCI) based on Total Organizational Excellence (TOE) Model, 2013-to date.

Publications

Books:

- Flexible Automation, In Press, in Farsi, TUVNORD Iran Co. & Atnaa Press.

**Journal
Papers:**

1. A novel risk assessment approach using Monte Carlo simulation based on co-occurrence of risk factors: A case study of a petrochemical plant construction, *Scientia Iranica*, 2020.
2. Identification and prioritisation the critical activities of the emergency department using business continuity management concept, *International Journal of Business Excellence*, 2020.
3. Optimization of bidding strategy in the day-ahead market by consideration of seasonality trend of the market spot price, *ENERGY POLICY*, 2020.
4. A quantitative target-setting model using Monte Carlo simulation method mapping in strategic management and balanced scorecard (BSC) context, *JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION*, 2020.
5. An Assessment Model for Hospital Resilience according to the Simultaneous Consideration of Key Performance Indicators: A System Dynamics Approach, *Perioperative Care and Operating Room Management*, 2020.
6. Risk-based optimal bidding patterns in the deregulated power market using extended Markowitz model
7. Risk-based optimal bidding patterns in the deregulated power market using extended Markowitz model, *ENERGY*, 2020.
8. An examination of the influences of desired organizational capabilities in the preparation stage of business process reengineering projects, *International Journal of Production Research*, **49**(17), pp. 5333 - 5354, DOI: 10.1080/00207543.2010.501829.
9. Desired organisational capabilities (DOCs): mapping in BPR context,

International Journal of Production Research, Vol. 48, No. 7, 2010, 2029 – 2053.

10. The Impact of ISO/TS 16949 on Automotive Industries and Created Organizational Capabilities from its Implementation, *Journal of Industrial Engineering and Management*, Vol. 3, No. 3, doi:10.3926/jiem.2010.v3n3.p,2010.
11. The impact of implementing total quality management on organizational structure, *International Journal of Productivity and Quality Management (IJPQM)*, Vol. 9, No. 4, 2012.
12. Critical Success Factors: Mapping and Examining in Process Management Context, *International Journal of Productivity and Quality Management (IJPQM)*, Vol. 10, No. 2, 2012.
13. New Approach for Enhancing Successful Implementation of BPR Projects: Mapping at Learning Organizations, Strategic Deployment, and Change Management Context, *International Journal of Business Innovation and Research (IJBIR)*, Accepted and In press, 2012.
14. Activity-based costing in flexible manufacturing systems with a case study in a forging industry, *International Journal of Production Research*, Vol. 46, No. 4, 15 February 2008, 1047–1069.
15. Safety Interval Analysis: A Risk-Based Approach to Specify Low-Risk Quantities of Uncertainties for contractor's Bid Proposals, *Computers & Industrial Engineering*, Vol. 56, No. 1, 2009, pp. 152-156.
16. Using Extended Monte Carlo Simulation Method for Improvement of Risk Management: Consideration of relationships between uncertainties, *Appl. Math. Comput.*, Vol. 190 , No. 2, 2007, pp. 1492-1501.
17. A mathematical model for optimal and phased implementation of flexible manufacturing systems, *Appl. Math. Comput.* Vol. 184, No. 2, 2007, 729-736.
18. A non-linear programming model for optimization of the electrical energy consumption in typical factory, *Appl. Math. Comput.*, Vol. 187, No. 2, 2006, pp. 944-950.
19. A Multi-Objective Cargo Train Scheduling Model: A Mathematical Approach." *International Journal of Management Practice*, Vol. 1, No. 4, 363-373, 2005.
20. A Mathematical Model for Load Optimization: Linear Load Curves." *Journal of Applied Sciences*, Vol. 6, No. 4, 883-887, 2006.
21. The Activity-Based Costing Approach for Estimation of Part's Cost in FMS with A(2)-Degree Automation: a Case Study in a Forging Industry, *Information Technology Journal*, Vol. 5, No. 3, 546-550, 2006.
22. "Applications of Process Capability and Process Performance Indices." *Journal of Applied Sciences*, Vol. 6, No. 5, 1186-1191, 2006.
23. A Practical Implementation of the Process Capability Indices." *Journal of Applied Sciences*, Vol. 6, No. 5, 1182-1185, 2006.
24. Dynamic cargo trains scheduling for tackling network constraints and costs emanating from tardiness and earliness, *Journal of Industrial Engineering Qazvin Islamic Azad University*, Vol. 4, Pre. No. 4, Summer 2009, pp. 19-27.
25. Developing a hybrid business process model based on simulation-knowledge

management, *Management and Administrative Sciences Review*, Mar 2015.

26. Grouping evolution strategies: An effective approach for grouping problems, *APPLIED MATHEMATICAL MODELLING*, May 2015.
27. A Practical Self-Assessment Framework for Evaluation of Maintenance Management System based on RAMS Model and Maintenance Standards, *Journal of Industrial and Systems Engineering*, Volume & Issue: Volume 10, Issue 1, Winter 2017.
28. An Optimal Preventive Maintenance Model to Enhance Availability and Reliability of Flexible Manufacturing Systems, *Journal of Industrial and Systems Engineering*, 11 (2), 1-25.

Conference papers:

1. "Scheduling of cargo trains with complex limitations by computer simulation", *33rd International Conference on Computers and Industrial Engineering*, March 25-27, 2004, Jeju, Korea.
2. "A semi-dynamic approach for scheduling cargo trains", *33rd International Conference on Computers and Industrial Engineering*, March 25-27, 2004, Jeju, Korea.
3. "Activity-Based Costing Approach in Manufacturing Systems Using Simulation Method", *Tehran International Congress on Manufacturing Engineering (TICME2005)*, December 12-15, 2005, Tehran, Iran.
4. "Maintenance Management in Flexible Manufacturing Systems: A Case Study in a Painting Robot", *Tehran International Congress on Manufacturing Engineering (TICME2005)*, December 12-15, 2005, Tehran, Iran.
5. "Description of Process Capability Indices", *11th International Conference on Productivity and Quality Research*, December 12-15, 2005, New Delhi, India.
6. "Process capability studies: indices and a Practical View", *11th International Conference on Productivity and Quality Research*, December 12-15, 2005, New Delhi, India.
7. "An Integrated Dynamic Programming Model for Phased Implementation of Flexible Manufacturing Systems", *Third International Conference on Group Technology / Cellular Manufacturing*, July 3-5, 2006 Groningen, The Netherlands, pp. 63-67.
8. "Measuring Process Capability Indices", *The 36th International Conference on Computers and Industrial Engineering*, June 20-30, 2006 Taipei, Taiwan.
9. "Selecting of Suppliers with Complex Limitations by Multi objective Modeling in a Supply Chain", *The 36th International Conference on Computers and Industrial Engineering*, June 20-30, 2006 Taipei, Taiwan.
10. "Process Capability and Process Performance", *The 36th International Conference on Computers and Industrial Engineering*, June 20-30, 2006 Taipei, Taiwan.
11. "Generalized regression neural network in modeling lumpy demand", *Eighth International Conference on Operations and Quantitative Management (ICOQM-8)*, October 17-20, 2007 Assumption University, Bangkok, Thailand.
12. The examination of the role of desired organizational capabilities (DOCs) in readiness for implementing of BPR, *IE and EM 2009 - Proceedings 2009 IEEE 16th International Conference on Industrial Engineering and Engineering*

Management, Beijing, PR China, June 21, 2009, 1312-1316.

13. Critical success factors (CSFs) for process management projects, *IE and EM 2009 - Proceedings 2009 IEEE 16th International Conference on Industrial Engineering and Engineering Management*, Beijing, PR China, June 21, 2009, 100-103.

Software's Areas 1-Primavera 2- Microsoft Project 3- Lingo 4- SPSS
5- Visual SLAM AweSim 7. Minitab 8. iGrafx

Review Board Member - International Journal of Production Research.

Courses Taught

- Corporate Finance (MSc)
- Reliability Engineering (MSc & PhD)
- Safety and Risk reengineering (MSc & PhD)
- Quality and Process Improvement in Healthcare (MSc & PhD)
- Marketing Management (MSc)
- Computer Simulation, Modelling and Optimization (MSc & PhD)
- Quality Engineering (MSc & PhD)