

## **AMIR FARAJI**

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- *Bachelor of Science in Architectural Engineering (2009), Master of Science in Construction Project Management (2012), PhD in Construction Project Management from University of Tehran (2015).*

### **A. PUBLICATIONS/ RESEARCHES**

#### **A.1. BOOKS:**

1. *Project Management Set of Questions*, Two Editions, Farhang Publications.
2. *Project Delivery System for Building Constructions*, Tehran University Publications, (Translation).
3. *Design-Build Project Delivery*, Tehran University Publications, (Translation).
4. *Project Strategic Management*, Tehran University Publications, *Iran`s Book of the Year Award*.

In this book, strategic decisions in the initial stages of a project (such as project delivery system) are defined and described. These decisions have a long-term and important impact on the achievement of project goals.

5. *Industrial Project Management*, Tehran University Publications.

In this book, an eight-stage life cycle is proposed for the management of industrial and downstream petroleum projects, and each step from conceptual design to operation is described in detail.

6. *Applications of New Theories in Project Management; Chaos Theory, General System Theory, Game Theory, Theory of Constraints*, Tehran University Publications.

In this book, four new theories which have been used in most areas of knowledge have been introduced for application in project management context. This is especially important in relation to the second order in project management.

7. *Project Performance Prediction*.

In this book, a method for predicting the performance of success factors of the project is presented based on new ideas in theory of nonlinear dynamic systems.

8. *Petroleum Industry Upstream Project Management*, Khatam University Publications. (Translation)

### *9. I; the Most Important Project Ever.*

This book relates to the field of psychology of success and tries to adapt the scientific approaches of project management to individual planning in life. The idea of this book is adapted from the fact that "Everyone's life is a project."

#### *A.2. ARTICLES:*

- *"Project Delivery Systems and supporting the private sector"*, National Conference of Supporting the Private Sector, Oral Presentation (2012).
- *"Knowledge Management model of operational sections of Iran oil ministry"*, National Conference of Knowledge Management, Oral Presentation (2012).
- *"Integration Project Delivery; New Approach to Project Contract Management"*, 6th International Conference of Project Management (2013).
- *"A Model for Prediction of Project Performance by Using Neuro-Fuzzy System"*, 7th International Conference of Project Management (2017).
- *"Propose a dispute resolution framework for downstream section of Iranian petroleum industry"*, Journal of Competition Law & Economics, (accepting process is in progress).

#### *A.3. SUPERVISING MASTER OF SCIENCE THESIS:*

- Propose a Model for Project Optimum Delivery System Selection in Downstream construction projects of Petroleum Industry.
- Propose General Contractors (GC) Qualification Model for Downstream construction projects of Petroleum Industry.
- Framework of Bankable Documents for Financing of Megaprojects.
- Propose a Conceptual Model of General Contracting (GC) Standard Form of Agreement.
- Model of Delivery System Selection Claim Reduction Approach.
- Propose a Dispute Resolution Framework for Downstream Section of Iranian Petroleum Industry.
- Claims Management Model in the Oil Industry Based on PMIS and PMBOK Framework.
- Time-Cost Modeling of Megaprojects with High Uncertainty Based on Indeterministic - Probabilistic Method.
- Propose an Environmental Impact Assessment (EIA) Studies Framework Based on Sustainable Development in Oil and Gas Projects.
- Identification and Classification of Delays in BOT Infrastructure Projects.
- Analyzing the Distribution of Risks in New Iranian Oil Contract (IPC) Through a Comparative Study with Buyback Contracts.

- Identification of Effective Factors in Evaluating the Performance of Iranian Exploration and Development (E&P) Companies.
- Propose a Pattern for Reducing Disputes by Redefining the Roles and Responsibilities of the Program Manager (PM) in Power Projects.
- Propose a Framework of Building Information Modeling (BIM) in Conventional Projects Based on The Comparative Study of Best Global Practices.
- Propose a Method for Assessing Distribution of Risks in Oil Contracts: Case Study of New Iranian Petroleum Contract (IPC).
- Propose an Optimal Risk Management Framework For Oil Projects From The Perspective of The Investor.
- Propose a Model for Standardization of Residential Buildings With an Integrated Management System (IMS) Approach.
- Propose the Most Appropriate Project Delivery System in Iranian Housing Construction Projects Based on Lean Project Management Concepts.
- Presentation of a Contract Risk Distribution Model Using the FMEA-FUZZY Method: a Case Study of Construction Industry Contracts.

## **B. PROFESSIONAL RESEARCHES**

1. Program and Project Strategic Planning and Management focused on Delivery System Selection in Construction Projects of Petroleum Industry.
2. Head of Steering Committee for Design and Codification of EPC Standard Form of Agreement for Petroleum Industry Projects.
3. Head of E&P Companies Screening and Qualification Committee for Model Developing.
4. Member of Engineering, Procurement, Construction and Finance (EPCF) Contract Design and Codification.
5. Member of Iranian Petroleum Contract (IPC) Attachments Development team.
6. Member of Transfer of Technology (TOT) Roadmap Development committee.
7. Designing Drilling Project Management System for Petroleum Industry.
8. Standard Form of Agreement Design and Codification for Upstream Field-Oriented Projects.
9. Designing Megaprojects Management System for Technical and Financial Proposals Review and Monitoring Projects Progress and Claim Management.
10. Cooperation in Manuals of Contract Pricing Basis Compilation.
11. Cooperation in Stakeholder Qualification Models Compilation.
12. Project Planning (WBS and Schedules) and Control of Tehran Subway Development Project.

### **C. MASTER OF SCIENCE COURSES:**

- Megaprojects planning and management.
- Project Procurement Management;
- Law and Construction Contract Management;
- Project Strategic Management;
- Project Management Case Studies;
- Value Engineering;
- Project Management Office;
- Project Knowledge Management.
- Project Management Theories and Methods.
- Master of Science Thesis Seminar and Research Method.

### **D. IT SKILLS**

- Text and Calculations Software (MATLAB, OFFICE):
- Construction Related Software (CAD, PHOTOSHOP);
- Project Management Software (MSP, PRIMAVERA).

### **E. PERSONAL INTERESTS AND STUDIES**

- Modern physics and particle physics include Relativity (Special and General), Thermodynamics, Entropy, Information theory and Quantum Physics.
- Philosophy, Human Sciences, Psychology, Sociology and Economics.
- Logic and Mathematics.