

S. HOSSEIN H. NOURZAD
PHD, CP³P, PMP, PMI-RMP, MBA, ENV-SP

Hossein Nourzad is an Assistant Professor of Infrastructure Management at the University of Tehran, a Certified PPP professional and a CP³P Accredited Trainer (authorized by APMG, the WBG certification arm) working with Training Bytesize (UK) and K-Infrastructure (Spain), with 15+ years of experience in infrastructure projects and PPP, in specific. He also has extensive project management experience and expertise. As a consultant to private sector, he has helped investors prepare feasibility assessment of mega projects in different industries, such as transportation, water treatment and desalination, petrochemical, aluminum, and power plants. In addition, he has assisted the government to develop the PPP law, frameworks and the infrastructure pipeline, and helped the Parliament to assess infrastructure-related policies, laws, and regulations. Globally, he collaborated with *United Nations Economic and Social Commission for Asia and the Pacific* in writing a book entitled “*Infrastructure Financing for Sustainable Development in Asia and the Pacific*” released in 2019. The ESCAP book advocates for a holistic approach to be adopted on infrastructure financing, where both public and private sectors, as well as key stakeholders such as the United Nations, have significant roles to play in accelerating the pace of infrastructure investment towards the sustainable development agenda. During his PhD at Drexel University, he won several Teaching Excellence Award in addition to the 2012 PMI Education Foundation Scholarship. He published several peer-reviewed papers, supervised more than twenty graduate students, and led multiple research projects related to *sustainable infrastructure development*. Recently, he was selected as the 2019 Outstanding Reviewer of the *ASCE Journal of Infrastructure Systems*.

EDUCATION

Drexel University <i>Doctor of Philosophy</i>	Philadelphia, PA <i>September 2010 – June 2014</i>
<ul style="list-style-type: none">• Thesis: “<i>Computational Framework for Modeling Infrastructure Network Performance and Vulnerability</i>”.	
University of Tehran <i>Executive MBA Certificate</i>	Tehran, Iran <i>September 2008 - June 2009</i>
<ul style="list-style-type: none">• Thesis: “<i>Economical Evaluation of Risk Influences on Infrastructures in BOT Procurement Method</i>”.	
Iran University of Science & Technology <i>Master of Sciences in Civil Engineering</i>	Tehran, Iran <i>September 2005 - July 2008</i>
<ul style="list-style-type: none">• Thesis: “<i>Optimal Management of Water Supply for Industrial Plants using Tabu Search</i>”.	
University of Tehran <i>Bachelor of Science in Civil Engineering</i>	Tehran, Iran <i>September 2001 - September 2005</i>

CERTIFICATIONS

Public-Private Partnership Execution (CP³P Execution)	<i>August 2018</i>
Public-Private Partnership Preparation (CP³P Preparation)	<i>April 2017</i>
Public-Private Partnership Foundation (CP³P Foundation)	<i>April 2016</i>
Project Management Professional (PMP)	<i>December 2011</i>
Risk Management Professional (PMI-RMP)	<i>May 2012</i>
Envision™ Sustainability Professional (ENV SP)	<i>July 2014</i>
Microsoft Specialist: Managing Projects with Microsoft Project 2013	<i>January 2014</i>
Certified Construction Manager (CCM)	<i>September 2014</i>
Project Management with Primavera 6	<i>March 2008</i>
Professional Risk Manager (PRM™) Exam II Passed	<i>December 2013</i>

PROFESSIONAL EXPERIENCE**Training Bytesize***CP³P Authorized Trainer*

- Teach Public-Private Partnership courses.
- Collaborate with the team in organizing courses and invigilating exams.

Nantwich, United Kingdom*May 2020 – Present***Knowledge-Infrastructure***CP³P Associate Trainer*

- Teach Public-Private Partnership courses.
- Collaborate with K-Infra team in organizing courses and invigilating exams.

Madrid, Spain*August 2019 – Present***KAD Investment Group***PPP Planning and Development Director*

- Lead feasibility studies of infrastructure projects.
- Develop financial models for infrastructure PPPs.
- Create fundamental frameworks and models to manage PPP projects.

Tehran, Iran*June 2018 - Present***Knowledge-Infrastructure***CP³P Authorized Trainer*

- Taught Public-Private Partnership courses.
- Collaborated with K-Infra team in organizing courses and invigilating exams.

Madrid, Spain*March 2017 – October 2018***Regional Institute of Water Education***PMO Consultant*

- Assisted in strategic planning of the programs.
- Structured the cross-functional team including HR, Financial, IT, Education & Student Affairs staff.

Tehran, Iran*May 2017 – June 2018***Regional Institute of Water Education***Executive Manager*

- Led executive tasks of establishing the institute, jointly with UNESCO and Iran Ministry of Energy.
- Managed the cross-functional team including HR, Financial, IT, Education & Student Affairs staff.

Tehran, Iran*July 2016 – April 2017***TISS Desalination Company***PPP Consultant*

- Led PMO team to manage portfolio, programs, and projects efficiently.
- Created fundamental frameworks and financial models to manage PPP projects.

Tehran, Iran*June 2015 – March 2018***Water Institute at University of Tehran***PMO Consultant*

- Led PMO team to manage portfolio, programs, and projects efficiently.
- Created fundamental frameworks and models to manage projects.

Tehran, Iran*November 2014 – July 2016***[My PhD Period in Drexel University]***August 2010 - September 2014***Electricity and Water Supply Contracting Company***Program Manager*

- Managed resources using MSP, assuring that 10+ projects are within scope, on time and on budget.
- Proposed and implemented a comprehensive portfolio analysis framework for client management.

Tehran, Iran*January 2010 - July 2010***Middle East Water and Environment Company***Manager - Project Planning and Control Department*

- Led planning and monitoring of a program consisted of 13 cross-functional projects in Microsoft Project.
- Developed project charter, scope of work & project planning & control procedures for ISO standard.

Tehran, Iran*December 2007 - December 2009***Middle East Water and Environment Company***Assistant Manager - Project Planning and Control Department*

- Maintained open communications among team members and project stakeholders for 10+ projects.
- Systematized portfolio and project status reports to project managers and executives using MSP.

Tehran, Iran*December 2005 - September 2007*

RESEARCH EXPERIENCE**University of Tehran****Tehran, Iran***Assistant Professor***Construction and Project Management***June 2015 – Present*

- Public-Private Partnership for Infrastructure Development.
- Infrastructure Sustainable Development.
- Financial Modeling of Infrastructure Projects.
- Vulnerability and Resiliency of Critical Networked Infrastructures.
 - Publications: Four journal papers and 15+ conference papers.

Drexel University**Philadelphia, PA***Graduate Research Assistant***Modeling Vulnerability of Critical Infrastructures***September 2011 – October 2014*

- Developed a framework for modeling vulnerability of critical infrastructures (e.g., transportation) in response to:
 - Single-link failure (e.g., accidents) and area-covering disruptions (e.g., flood). The contribution is a new method for clustering the infrastructures into different areas based on the criticality level, which would be beneficial for pre- and post-disaster plans.
 - Dynamical changes (e.g., driver distraction). The contribution is an integrated model for large-scale distraction simulation, which would be beneficial for policy making and designing new devices.
 - Employed tools: Python, MATLAB, VISSIM, VISUM, DISTRACT-R, and ArcGIS.
 - Publications: One paper in ASCE Journal of Infrastructure Systems, one in ASCE Journal of Computing in Civil Engineering, and three conference papers.

Post-Disaster Automated Damage Detection*April 2013 – October 2014*

- Assisted in developing a series of machine learning classification models (e.g., ensemble methods and Support Vector Machine) for automated detection of post-disaster damages to infrastructures and buildings. The proposed model dominated the existing ones by increased the accuracy by 10%.
 - Employed tools: MATLAB and ArcGIS.
 - Publications: One paper in ASCE Journal of Infrastructure Systems, and one ASCE conference paper.

LIDAR Classification using Machine Learning Methods*September 2010 - September 2011*

- Developed a framework based on ensemble methods for classifying Airborne Light Detection and Ranging (LIDAR) data using ArcGIS and MATLAB. The practical contribution was to enhance the existing binary classification methods to be employed for a multitude of civil engineering applications, such as transportation, urban planning, flood control, and city 3D reconstruction.
 - Publications: One paper in ASCE Journal of Computing in Civil Engineering, and one ASCE conference paper.

Iran University of Science & Technology**Tehran, Iran***Research Assistant***Optimal Management of Water Supply for Industrial Plants***September 2005 - July 2008*

- Proposed an optimization framework aimed at managing water supply for industrial complexes located in regions with limited water resources. Using FORTRAN programming, I developed a meta-heuristic algorithm to simulate the water cycle of a copper complex and to find the optimal solution for water supply of the complex. Compared to the existing method, the proposed framework minimized the cost and the use of fresh water.
- Publications: One journal paper, four international conference papers, and three national conference papers.

Munich University of Technology**Munich, Germany***Practical Trainer***Physical Modeling of Rivers and Hydropower Plants***October 2007 - November 2007*

- Conducted physical modeling of Leich Hydropower Plant and Isar River aimed at evaluating post-flood capacity change, sediment transport, and best locations for recreation facilities.

TEACHING EXPERIENCE
University of Tehran

Project Financial Management (Grad)
 Statistical Methods and Operation Research (Grad)
 Computer Application in Project Management (Grad)
 Special Topics in Project Management (Grad)
 Project Management Case Studies (Grad)
 Estimation and Construction Management (Undergrad)
 Building I & II (Undergrad)

Tehran, Iran
 2015 - Present

Drexel University

Statistical Analysis of Engineering Systems
 Geographical Information Science and System
 Introduction to Infrastructure Engineering
 Measurement I and Measurement II

Philadelphia, PA
 2010 - 2014

MEWE Consulting Company

Engineering Economical Evaluation
 Project Planning and Control with Microsoft Project
 Project Management with Primavera 6

Tehran, Iran
 2005 - 2009

AWARDS

2019 Outstanding Reviewer
 Young Assistant Professor Grant 2017
 PMI Delaware Valley Chapter Scholarship 2012
 Continued Teaching Excellence Award 2014
 Teaching Excellence Award 2012
 Highly Commended Teaching Assistant 2011
 Student Travel Award 2012

ASCE Journal of Infrastructure Systems
Iran's National Elites Foundation
Project Management Institute
Drexel University
Drexel University
Drexel University
Drexel University

GRANTS AND PROPOSALS

Tehran Regional Water Organization: *"Analysis of Domestic Investors' Unwillingness to Finance and Participate in Water Resources Plans"* (accepted).

Iran's National Elites Foundation: Received the Young Assistant Professor Grant 2017 for *"Infrastructure Sustainable Development"* research project.

National Science Foundation: Assisted in the write-up of the proposal entitled *"RAPID: Aerial Imaging and Ground-based Surveys for Post-Disaster Assessment of Areas Affected by Hurricane Sandy"* (Funded).

National Science Foundation: Assisted in the write-up of the proposal entitled *"A Computational Framework to Model Transportation Network Behavior, Resiliency and Reliability"*.

REVIEWING ACTIVITIES

ASCE Journal of Infrastructure Systems
 ASCE Journal of Construction Engineering and Management
 ASCE Journal of Computing in Civil Engineering

PUBLICATION
Book Chapters

- B1) With UN ECSAP research team. (2019). “Infrastructure Financing for Sustainable Development in Asia and the Pacific”. *United Nations Publication*, ISBN: 978-92-1-120792-7.
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Journal Publications

- J7) Jyoti, B., **Nourzad, H.**, Chu, C.Y., & Ouhadi, M. (2020). “Enhancing the efficiency of infrastructure projects to improve access to finance”. *Journal of Infrastructure, Policy and Development*, 4(1), 27-49.
- J6) Tavakoli, N. and **Nourzad, H.** (2020). “Win-win pricing method for BOT projects using a simulation-based evolutionary optimization”. *Construction Management and Economics*, 38(2), 157-171.
- J5) Soleimani Tab, S., **Nourzad, H.**, Golabchi, M. (2017). “Analysis of Social Media Impacts on Project Communication Management”. *Journal of Information Management*, Vol. 2, No 2, Page 59-79 (in Persian).
- J4) **Nourzad, H.** and Pradhan, A. (2016). “Vulnerability of infrastructure systems: Macroscopic analysis of critical disruptions on road networks”. *ASCE Journal of Infrastructure Systems*, 22(1), 04015014.
- J3) **Nourzad, H.** and Pradhan, A. (2016). “Computational Modeling of Networked Infrastructures: Macroscopic Multivariate Approach”. *ASCE Journal of Computing in Civil Engineering*, 30(6), 04016027.
- J2) **Nourzad, H.** and Pradhan, A. (2014). “Ensemble Methods for Binary Classifications of Airborne LIDAR Data”. *ASCE Journal of Computing in Civil Engineering*, 28(6), 04014021.
- J1) **Nourzad, H.** and Afshar, M.H. (2010). “Optimal Reservoir Operation Using Probabilistic Tabu Search”. *Sharif Journal of Civil Engineering*, Volume 2-26, NO.1, spring 2010, Page 145-150.
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Conference Proceedings

- C32) Nemati, M., **Nourzad, H.**, Parchamijalal, M. (2019). “Analysis of Stakeholder Management Indices for Silk Road Development using PPP”. *The 1st International Conference on Silk Road Scholars*, Tehran, Iran, 20 September (in Persian).
- C31) Nemati, M., **Nourzad, H.**, Parchamijalal, M., Sadeghian, M. (2019). “Selecting Stakeholder Management Model in PPP Projects using AHP Method”. *3rd International Conference on Applied Research in Structure and Construction Management*, Sharif University, Tehran, Iran, 26 June (in Persian).
- C30) Soleimani, H., Heidari, A., **Nourzad, H.** (2019). “A Stakeholder Approach to identify Critical Success Factors in PPP Projects of Iran's Road Construction Industry”. *5th International Conference on Strategic Management*, Tehran, Iran, 5 March (in Persian).
- C29) Sohani, H., **Nourzad, H.** (2019). “The Importance of Urban Historical Textures: An Environmental Perspective”. *6th National Conference on Applied Research in Civil Engineering, Architecture, and Urban Management*, Tehran, Iran, 4 March (in Persian).
- C28) Sohani, H., **Nourzad, H.** (2018). “A Sustainable Approach for Project Waste Management”. *International Conference on Civil Engineering, Architecture, and Urban Management in Iran*, Tehran, Iran, 19 December (in Persian).
- C27) Taherian, G., **Nourzad, H.** (2018). “Toward More Livable Community in Developing Countries; Through Sustainable Development of Infrastructures”. *International Conference on Society and Environment*, University of Tehran, Tehran, Iran, 3 September.
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- C26) Nejati, Z., **Nourzad, H.**, Taherian, G. (2018). “Essential Shift of Attention to Social Dimension of Infrastructure Sustainability in Developing Countries”. *11th International Conference on Civil Engineering, University of Tehran*, Tehran, Iran, 10 May.
- C25) Taherian, G., **Nourzad, H.**, Nejati, Z. (2018). “The Need for Optimal Management and Leadership for Sustainable Infrastructures in Developing Countries”. *11th International Conference on Civil Engineering, University of Tehran*, Tehran, Iran, 10 May.
- C24) Hajimohammadi, B., **Nourzad, H.** (2018). “The Impact of Resource Allocation on Infrastructure Sustainability: Qom-Garmsar Freeway Case Study”. *International Conference on Natural Resources Management in Developing Countries*, Tehran, Iran, 25 March.
- C23) Shamshirgaran, A., **Nourzad, H.** (2018). “Automated Sustainability Assessment of Natural World in Infrastructure Projects: A Machine Learning Approach”. *International Conference on Natural Resources Management in Developing Countries*, Tehran, Iran, 25 March.
- C22) Akbari, A., Golabchi, M., **Nourzad, H.** (2018). “Developing a Model for Concession Term and Price for Public-Private Partnership Projects using Genetic Algorithm”. *2nd International Conference on Civil, Architecture, and Sustainable Green City*, Tehran, Iran, 15 March (in Persian).
- C21) Jafari, M., **Nourzad, H.**, Parchamijalal, M. (2018). “Analysis of Project Delivery Methods in Oil Industry”. *National Congress on Architecture and Urban Construction*, Mashhad, Iran, 21 February (in Persian).
- C20) Akbari, A., **Nourzad, H.**, Golabchi, M. (2018). “Concession Term Determination Methods in Public-Private Partnership Projects”. *National Congress on Architecture and Urban Construction*, Mashhad, Iran, 21 February (in Persian).
- C19) Taherian, G., **Nourzad, H.**, Larti, B., Nejati, Z. (2017). “Envision’s Critical Role in Rating Infrastructure Sustainability for Developing Countries”. *7th International Conference on Sustainable Development and Urban Construction*, Isfahan, Iran, 14 December.
- C18) **Nourzad, H.**, Tavakoli, N. (2017). “Sensitivity Analysis of the Impact of Critical Risks on Financial Feasibility in Public-Private Partnership Projects”. *CAUE2017*, Istanbul, Turkey, 1 March.
- C17) **Nourzad, H.**, Boostani, A. (2017). “A Win-Win Strategy for Public-Private Partnership in Infrastructure Projects”. *CAUE2017*, Istanbul, Turkey, 1 March.
- C16) Tavakoli, N., **Nourzad, H.**, Golabchi, M. (2017). “A Risk Management Information System to Evaluate Cost and Time Impacts of International Sanctions on Ahwaz Metro Project”. *2nd International Conference on Human, Architecture, Civil Engineering and City*, Tabriz, 9-10 March (in Persian).
- C15) Boostani, A., **Nourzad, H.**, Golabchi, M. (2017). “Risk Assessment of Public-Private Partnership in Iran Transportation Projects based on Developing Countries' Best Practice”. *2nd International Conference on Human, Architecture, Civil Engineering and City*, Tabriz, 9-10 March (in Persian).
- C14) **Nourzad, H.**, Salvucci, D., and Pradhan, A. (2014). “Computational Modeling of Driver Distraction by Integrating Cognitive and Agent-based Traffic Simulation Models”. *ASCE ICCCB2014*, Florida, 23-25 June.
- C13) **Nourzad, H.** and Pradhan, A. (2014). “Resiliency of Intelligent Transportation Systems to Critical Disruptions: An Eigenvalue-Based Viewpoint”. *ASCE ICCCB2014*, Florida, 23-25 June.
- C12) Shi, Y., **Nourzad, H.**, Pradhan, A., Bartoli, I., Kotsos, I. (2014). “Automated Detection of Damaged Areas after Hurricane Sandy using Aerial Color Images”. *ASCE ICCCB2014*, Florida, 23-25 June.
- C11) **Nourzad, H.** and Pradhan, A. (2013). “Mathematical Representation of Control Strategies on Congestion Propagation within Roadway Networks: A Macroscopic Viewpoint”. *SIAM Workshop on Network Science*, San Diego, CA, July 7-8.
- C10) **Nourzad, H.** and Pradhan, A. (2013). “Network-Wide Assessment of Transportation Systems Using an Epidemic Spreading Methodology”. *ASCE IWCCE2013*, CA, USA, June 23rd-25th.

- C9) **Nourzad, H.** and Pradhan, A. (2012). “Binary and Multi-class Classification of fused LIDAR-Imagery Data using an Ensemble Method”. *CRC 2012*, USA, May 21st-23rd.
- C8) **Nourzad, H.**, Pradhan, A. (2011). “Multi-class Classification of Airborne LIDAR using Adaboost Algorithm”. *Geological Society of America Abstracts with Programs*, Vol. 43, No. 5, p. 408.
- C7) **Nourzad, H.** and Afshar, M.H. (2009). “Industrial Distribution System Simulation for Optimal Water Resource Assignment Using Probabilistic Tabu Search”. *ASCE World Environmental & Water Resources Congress 2009*, 17 th-21th May, Kansas City, Missouri, USA.
- C6) **Nourzad, H.**, Kashef, M. and Afshar, M.H. (2009). “Economic Evaluation of Paste Thickener Construction in Optimal Management of Industrial-Complex Water Cycle”. *Fifth International Conference on Construction in the 21st Century (CITC-V)*, 1553-1562, 20 th-22th May, Istanbul, Turkey.
- C5) **Nourzad, H.**, Ghodsi, R. and Kashef, M. (2009). “Management of Reservoir Operation by Fuzzy Logic Decision Making”. *Fifth International Conference on Construction in the 21st Century (CITC-V)*, 218-227, 20th-22th May, Istanbul, Turkey.
- C4) **Nourzad, H.**, Banihashemi, S. and Afshar, M.H. (2008). “Optimal Water Resource Management for Industrial Complexes Using Probabilistic Tabu Search”. *Workshop Water Resources in the Middle East 2008*, 19th-21th Oct., Irbib, Jordan.
- C3) Afshar, M.H. and **Nourzad, H.** (2008) “Optimal Management of Reservoir Operation Using Tabu Search”. 2th National Conference of Dam and Hydropower, 14th-15th May, Tehran, Iran (in Persian).
- C2) Afshar, M.H. and **Nourzad, H.** (2008). “Optimal Reservoir Operation Using Probabilistic Tabu Search”. *Integrated Water Resource Management National Conference*, 1th-2th March, Iran (in Persian).
- C1) **Nourzad, H.** and Afshar, M.H. (2008) “Optimal Water Supply for Industrial Complexes Using Tabu Search”. *The First Conference on Coping with Water Scarcity*, 20th-21th May, Iran (in Persian).

PRESENTATIONS & POSTERS

- “Introduction to the World Bank Group CP3P Program”, *Tender-Auction Newspaper*, Tehran, October 2017 (oral).
- “Selection of Optimal Project Delivery System and Contract Type based on American best practices”, *10th International Project Management Conference*, Tehran, February 2015 (oral).
- “Resiliency of Intelligent Infrastructure Systems to Critical Disruptions: An Eigenvalue-Based Viewpoint”, *ASCE ICCCB2014*, Florida, 23-25 June, 2014 (oral).
- “3 Views on Risk Management: Uncertainties that Matter in Projects”, *Project Management Institute Delaware Valley Chapter*, Philadelphia, PA, USA, 2014 (oral).
- “Computational Modeling of Driver Distraction by Integrating Cognitive and Agent-based Traffic Simulation Models”, *ASCE ICCCB2014*, Florida, 23-25 June, 2014 (oral).
- “Computational Framework for Modeling Infrastructure Network Performance and Vulnerability”, *TRB2014*, Washington D.C., USA, 2014 (oral).
- “Vulnerability of Infrastructure Systems: Analysis of Critical Disruptions on Road Networks”, *Drexel University’s 14th Annual Research Day*, April 19, 2012 (poster).
- “Network-Wide Assessment of Infrastructure Systems Using an Epidemic Spreading Methodology”, *ASCE IWCCE2013*, CA, USA, 2013 (oral).
- “Optimal Water Supply for Industrial Complexes Using Tabu Search”, *The First Conference on Coping with Water Scarcity*, Tehran, Iran, 2008 (oral).

ADVISORY ACTIVITIES**PhD Students**

- P3) Advisor, “*Developing an economic framework for managing infrastructure programs*”, Farbod Mortazavi, University of Tehran, undergoing.
- P2) Advisor, “*Vulnerability of infrastructure PPPs to dynamic changes in public behavior*”, Mostafa Bodaghi, University of Tehran, undergoing.
- P1) Advisor, “*Developing a BIM-based framework for infrastructure safety management*”, Mojtaba Amiri, University of Tehran, undergoing.

MSc Students

- M27) Advisor, “*Prevention through design by a whole lifecycle safety approach*”, Kiana Kashani, University of Tehran, undergoing.
- M26) Advisor, “*Exploring the relation between quality of infrastructure and public efficiency in developing countries*”, Maryam Ouhadi, University of Tehran, undergoing.
- M25) Advisor, “*Developing an optimal framework for sustainable siting of infrastructure projects*”, Sina Allahyari, University of Tehran, undergoing.
- M24) Advisor, “*Developing a framework to include sustainability criteria in tendering phase of PPP projects*”, Mahya Erfani Yekta, University of Tehran, undergoing.
- M23) Advisor, “*Developing a BIM-based framework to enhance infrastructure sustainability during the design phase*”, Avin Laali, University of Tehran, undergoing.
- M22) Advisor, “*Developing a BIM-based model to enhance adaptable reuse of buildings*”, Mehran Mahmoudi, University of Tehran, May 2019.
- M21) Advisor, “*Developing a framework for automated infrastructure sustainability rating using a machine learning approach*”, Amiradel Shamshirgaran, University of Tehran, July 2019.
- M20) Advisor, “*Analyzing the effectiveness of IPC projects in Iran oil and gas industry using a risk comparative analysis*”, Masoud Jafari, University of Tehran, July 2019.
- M19) Advisor, “*Optimal framework for monitoring long term PPP government assumed liabilities in Iran as a developing country*”, Mehran Savar, University of Tehran, July 2019.
- M18) Advisor, “*Risk Identification and analysis of long term international Joint Ventures in construction projects*”, Sepehr Safdari, University of Tehran, July 2019.
- M17) Advisor, “*Developing an optimal risk and financial structure for renewable energy projects in conflict affected countries*”, Mojtaba Katea, University of Tehran, July 2019.
- M16) Advisor, “*Developing a BIM-based approach for promoting sustainable material reuse during the design phase of a project*”, Hoorieh Sohani, July 2019.
- M15) Advisor, “*Developing a framework for efficient stakeholder management in infrastructure PPPs*”, Mohammad Nemati, July 2019.
- M14) Advisor, “*Developing a framework for optimal resource allocation in sustainable infrastructure projects*”, Zahra Nejati, March 2019.
- M13) Advisor, “*Optimal model for long term infrastructure portfolio planning from the government perspective*”, Elnaz Asadifard, University of Tehran, February 2019.
- M12) Advisor, “*Optimal model for transporting project material based on sustainability*”, Sahar Saadat, February 2019.
- M11) Advisor, “*Localization of infrastructure sustainability rating systems for Iran as a developing country*”, Gelareh Taherian, University of Tehran, September 2018.
- M10) Advisor, “*Developing a risk analysis and response model based on project progress during execution phase*”, Shadi Pirani, University of Tehran, June 2018.

- M9) Advisor, “*Analyzing the impact of concession term on VFM of PPPs; case study: Chababar water desalination and transmission BOT project*”, Arman Akbari, February 2018.
- M8) Advisor, “*Introducing social-media solutions for project communication management*”, Soorena Soleimani Tab, University of Tehran, September 2017.
- M7) Advisor, “*Developing a systematic framework for risk allocation in road Public-Private Partnership projects*”, Ali Boustani, University of Tehran, June 2017.
- M6) Advisor, “*Introducing a flexible pricing framework in Public- Private Partnership projects to cope with key uncertainties*”, Nastaran Tavakoli, University of Tehran, June 2017.
- M5) Consultant, “*Developing a cost-quality model in construction project: a lifecycle cost assessment approach*”, Mostafa Tajick, University of Tehran, May 2017.
- M4) Consultant, “*Developing a damage assessment due to delay in construction projects*”, Farbod Mortazavi, University of Tehran, May 2017.
- M3) Consultant, “*Financial assessment and decision making using BIM technique*”, Hamidreza Ghafouri, University of Tehran, March 2017.
- M2) Advisor, “*Analyzing the impact of effective leadership on project success*”, Masoumeh Taslimi, February 2017.
- M1) Consultant, “*Risk allocation in BOT projects using game theory approach*”, Jeiran Soleimani, University of Tehran, February 2017.

GRADUATE COURSES

Drexel University

- Applied Multivariate Statistics, Geographical Information Systems, Signal Detection and Estimation, Java Programming, Introduction to Computer Vision.

The World Bank Group (Coursera)

- Public-Private Partnerships (PPP): How can PPPs help deliver better services?

University of Tehran

- Project Management, Economic Evaluation, Strategic Planning, Operational Research, Quantitative Methods in Decision Making, Budgeting and Cost Control, Management Information Systems.

Iran University of Science & Technology

- Advance Engineering Mathematics, Numerical Methods in Water Engineering, Water Resource System Analysis.

UNIVERSITY SERVICE

Undergraduate Education Committee

Member

University of Tehran

2020 - Present

Construction and Project Management Group

Head

University of Tehran

2019 - Present

PM Students’ Scientific Association

Advisor

University of Tehran

2018 - Present

Persian Student Association

Vice President

Drexel University

2013

PROFESSIONAL SOCIETIES

World Association of PPP Units and Professional (WAPPP)

2018 – Present

Project Management Institute (PMI)

2011 – Present

Iran Project Management Association (IPMA)

2008 – Present

VOLUNTEER**UN ESCAP***Co-author*

- Co-author “Enhancing the Efficiency of Infrastructure Projects to Improve Access to Finance” chapter.
- Review and feedback other chapters of the book in group expert meetings.

World Association of Public Private Partnership (WAPPP)*PPP Times Editorial Committee Member*

- Contribute to the PPP Times.
- Outreach to other PPP-related programs.

Iran Project Management Association*Member of Research Committee*

- Review research studies to select the best ones for research award

Project Management Conference*Manager of International Affairs & Member of Academic Committee*

- Manage the Keynote speaker affairs.
- Plan for and assist in academic works of the conference.

Management and Planning Organization*Member of PPP Task Force*

- Plan for PPP courses for public sector.
- Review and edit PPP laws, rules and regulations.

Project Management Institute*Volunteer Activity Coordinator*

- Plan and coordinate with Director of Volunteer to manage volunteer activities.
- Meet with the President, VPs and Program Directors to plan for existing and new volunteer positions.

Professional Risk Managers' International Association*Steering Committee Member*

- Assist Regional Directors in planning, organizing, and coordinating events fulfilling a vital role as active leaders in the PRMIA community.

American Society of Civil Engineers*Engineering Management Committee Member (Secretary)*

- Assist ASCE Engineering Management community in planning, organizing, and coordinating events, fulfilling the vital role as an active leader in the ASCE local community.

Bangkok, Thailand*December 2018 – November 2019***Geneva, Switzerland***October 2018 – Present***Tehran, Iran***September 2018 – Present***Tehran, Iran***October 2014 – Present***Tehran, Iran***June 2017 – July 2018***Delaware Valley Chapter***December 2013 – October 2014***Washington DC Chapter***November 2013 – October 2014***Philadelphia Chapter***January 2014 – October 2014*