

SHAKIB ZOHREHVANDI

Ph.D Industrial Engineer

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RESEARCH INTERESTS

- Project and construction management, project planning & scheduling, modeling and optimization, queue systems, operations research

EDUCATION

- 2016 - 2020 Ph.D. Science and Research Branch, Azad University Tehran, Iran
Industrial Engineering (Planning and production management)
- 2011 - 2013 M.Sc. Payame Noor University Tehran, Iran
Industrial Engineering (Socio-Economic Systems)
- 2000 - 2004 B.Sc. Azad University Qazvin, Iran
Industrial Engineering (Industrial Production)

PUBLICATIONS

- 2021 "Project buffer sizing and dynamic buffer consumption algorithm in power generation construction"
Zohrehvandi, S., Khalilzadeh, M., Amiri, M., & Shadrokh, S.
Accepted on 27-Feb-2021
"Emerald"
Engineering, Construction and Architectural Management
- 2020 "A heuristic buffer sizing algorithm for implementing a renewable energy project"
Zohrehvandi, S., Khalilzadeh, M., Amiri, M., & Shadrokh, S.
<https://doi.org/10.1016/j.autcon.2020.103267>
"Elsevier"
Automation in Construction
- 2020 "A project buffer and resource management model in energy sector; a case study in construction of a wind farm project"
Zohrehvandi, S., Vanhoucke, M. and Khalilzadeh, M.
<https://doi.org/10.1108/IJESM-10-2019-0025>
"Emerald"
International Journal of Energy Sector Management
- 2019 "A reconfigurable model for implementation in the closing phase of a wind turbines project construction"
Zohrehvandi, S., Vanhoucke, M., Soltani, R. and Javadi, M.
<https://doi.org/10.1108/ECAM-01-2019-0065>
"Emerald"
Engineering, Construction and Architectural Management
- 2019 "APRT-FMEA buffer sizing method in scheduling of a wind farm construction project"
Zohrehvandi, S. and Khalilzadeh, M.
<https://doi.org/10.1108/ECAM-04-2018-0161>
"Emerald"
Engineering, Construction and Architectural Management
- 2019 "Proposing a Risk Management Model in Construction of Combined-Cycle Power Plant Projects."
Zohrehvandi, S., & Tenera, A.
https://doi.org/10.1007/978-3-030-17771-3_5
"Springer"
Computing, Electrical and Industrial Systems



PROFILE

I am a talented, ambitious and hardworking, with broad skills and experience in fields of project and construction management, project planning & scheduling, modeling and optimization, queue systems and operations research. Furthermore, I am adept at handling multiple tasks on a daily basis competently and at working well under pressure. Recently, I completed a Ph.D degree, Industrial Engineering at Science and Research (IAU) University.

LANGUAGES

English	● ● ● ● ● ● ●
German	● ● ● ● ● ● ●
Persian	● ● ● ● ● ● ●

SKILLS

LaTeX	● ● ● ● ● ● ●
Research	● ● ● ● ● ● ●
Project Management	● ● ● ● ● ● ●
Project Planning	● ● ● ● ● ● ●
Project controlling	● ● ● ● ● ● ●
Time optimization	● ● ● ● ● ● ●
Strategic planning	● ● ● ● ● ● ●
Microsoft office	● ● ● ● ● ● ●
Microsoft Project	● ● ● ● ● ● ●
Primavera P6	● ● ● ● ● ● ●
Matlab	● ● ● ● ● ● ●
Feasibility Studies	● ● ● ● ● ● ●
Comfar	● ● ● ● ● ● ●
Renewable energies	● ● ● ● ● ● ●
Power generation	● ● ● ● ● ● ●

SOCIAL

<https://www.linkedin.com/in/shakibzohrehvandi/>
 <https://orcid.org/0000-0003-2462-999X>
 <https://scholar.google.com/citations?user=bcu5dG0AAAAJ&hl=en>
 https://www.researchgate.net/profile/Shakib_Zohrehvandi

2018	"Role of information cycles in construction of a wind farm power plant project" Zohrehvandi, S., Javadi, M., Khalilzadeh, M., Cheraghi, E., & Mahjoub https://doi.org/10.1016/j.procs.2018.10.069	"Elsevier" Procedia computer science
2018	"Linking Project Success and Strategic Talent Management: satisfaction/motivation and organizational commitment as mediators" Mahjoub, M., Atashsokhan, S., Khalilzadeh, M., Aghajanloo, A., & Zohrehvandi, S. https://doi.org/10.1016/j.procs.2018.10.100	"Elsevier" Procedia computer science
2017	"Planning project closure phase in combined cycle power plant projects" Zohrehvandi, S., Khalilzadeh, M., Hajizadeh, M., & Cheraghi, E. https://doi.org/10.1016/j.procs.2017.11.038	"Elsevier" Procedia computer science
2017	"A mathematical Model to select the Risk Response Strategies of the Construction Projects: Case Study of Saba Tower" Cheraghi, E., Khalilzadeh, M., Shojaei, S., & Zohrehvandi, S. https://doi.org/10.1016/j.procs.2017.11.080	"Elsevier" Procedia computer science
2014	"The Effects of the Project Management Office on Companies Performance-A Case Study on a Project-Oriented Company" Zohrevandi, S.	"IEOM" International Conference on Industrial Engineering and Operations Management
2014	"Using Project Management Office (PMO) to Improve Project Management abilities" Babaeianpour M., Zohrevandi Sh.	"UTCC " International Journal of Business and Economics
2013	"Role of strategic planning in transportation management to improve the performance of transportation company" Zohrevandi Sh., Ghazanfari H.	"UTCC " International Journal of Business and Economics

EXPERIENCE

2020 / Present	Member of Reviewer Board / Construction Management and Economics Country: United Kingdom Subject Area and Category: Business, Management and Accounting, Management Information Systems Publisher: Taylor and Francis Ltd.
2020 / Present	Member of Reviewer Board / International Journal of Construction Management Country: United Kingdom Subject Area and Category: Business, Management and Accounting, Management of Technology and Innovation, strategy and Management Publisher: Taylor and Francis Ltd.
2019 / Present	Member of Reviewer Board / Engineering, Construction and Architectural Management Country: United Kingdom Subject Area and Category: Business, Management and Accounting Publisher: Emerald Group Publishing Ltd
2018 / 2018	Teaching Assistant (TA) / Science and Research Branch (IAU) University Country: Iran/Tehran Teaching subject: Project management, Project planning & scheduling.
2013 / Present	Project Planner & Scheduler / MAPNA Group Country: Iran/Tehran Subject Area: Development and execution of thermal and renewable power plants and combined cycle power plant projects

MY PH.D THESIS

My Ph.D thesis aims to introduce a heuristic algorithm to determine the sizes of project buffer and feeding buffers as well as dynamically control buffer consumption. In this research, the pentagonal fuzzy numbers were used to determine the appropriate amount of project activity resources. Also, an overlapping method was applied to obtain more realistic activity durations. To evaluate the algorithm, inputs from this project were run through several algorithms recently presented by researchers. Then, this heuristic algorithm was compared to other algorithms using the data of 15 real-world wind farm projects as well as 15 randomly generated numerical examples. Moreover, the sensitivity analysis was conducted to validate the performance of the proposed algorithm. The findings demonstrate that the proposed algorithm outperforms the other algorithms and yielded more realistic and shorter project durations.

TRAINING COURSES

Project claim management, delay & change analysis by MSP	8 hrs - 2018
Earned value project management (EVPM)	24 hrs - 2017
Prince2	24 hrs - 2016
Claim Management	24 hrs - 2015
PMI-SP (Schedule Professional)	27 hrs - 2015
Theoretical Training for Wind Turbines	50 hrs - 2014
Project Management Body of Knowledge (PMBOK)	24 hrs - 2013
Primavera 6.0	48 hrs - 2008
Microsoft Project (MSP)	32 hrs - 2002
Internal Auditor Course & Examination (ISO 9000)	32 hrs - 2002
Total Production Maintenance (TPM)	32 hrs - 2002
Factory Management	24 hrs - 2002
Warehouse Management	24 hrs - 2002

- 2018 / Present Member of Reviewer Board / International Journal of Managing Projects in Business in Business
Country: United Kingdom
Subject Area and Category: Business, Management and Accounting, Business and International Management, Management of Technology and Innovation, Strategy and Management
Publisher: Emerald Group Publishing Ltd
- 2013 / 2015 Teacher / Vanestan Company
Country: Iran/Tehran
Teaching subject: Project planning & scheduling with Primavera and MSP softwares
- 2010 / 2013 Project Planner & Scheduler / TSTI Company
Country: Iran/Tehran
Subject Area: Civil, building and Tower's construction, Engineering, procurement and installation of mechanical & electrical equipment.
- 2008 / 2010 Project Planner & Scheduler / National Iranian Gas Export Company
Country: Iran/Tehran
Subject Area: Oil and Gas, Construction management of LNG production factories.
- 2006 / 2008 Project Planner & Scheduler / Sabir International Company
Country: Iran/Tehran
Subject Area: Civil and Construction
- 2004 / 2006 Project Planner & Scheduler / Joint venture of Sidem & Comar Sanaat Companies
Country: Iran/Assaluyeh
Subject Area: Petrochemical, Construction of desalination & water treatment units in Mobin Petrochemical.

MEMBERSHIP IN SCIENTIFIC SOCIETIES

- 2012/ Present International Association of Computer Science and Information Technology (IACSIT)
- 2015/ Present American Society of Mechanical Engineers (ASME)
- 2017 / Present Southern African Institute for Industrial Engineering (SAIIE)
- 2013 / Present International Association of Engineering (IAENG)

CONFERENCES ATTENDED

- 2018 Presenter / CENTERIS 2018: Conference on Enterprise Information Systems
When: November 21-23, 2018
Country: Lisbon, Portugal
Presented paper title: "Role of information cycles in construction of a wind farm power plant project"
- 2018 Presenter / ProjMAN 2018: International Conference on Project MANAGEMENT
When: November 21-23, 2018
Country: Lisbon, Portugal
Presented paper title: "Linking Project Success and Strategic Talent Management: satisfaction/motivation and organizational commitment as mediators"
- 2017 Presenter / ProjMAN 2017: International Conference on Project MANAGEMENT
When: November 8-10, 2017
Country: Barcelona, Spain
Presented paper title: "Planning project closure phase in combined cycle power plant projects"

HONOR

Outstanding as a Young Industrial Engineering Researcher for SAIIE Award 2018 (South African Institute for Industrial Engineering)

REFERENCES

Maghsoud Amiri
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Allameh Tabataba'i University, Tehran, Iran
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