

Farzad Chokan (Mr.)

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EDUCATION

- PRESENT **University of Tehran**, Tehran, Iran
Master of Science in CONSTRUCTION ENGINEERING AND MANAGEMENT(CEM)
- SPRING 2015 **Amirkabir University of Technology (Tehran Polytechnic)**, Tehran, Iran
Bachelor of Science in CIVIL ENGINEERING, GPA: 16.36/20
- SUMMER 2010 **Shahid Beheshti High School**, Gonbad-e Qabus, Iran
A Branche of National Organization for Development of Exceptional Talents (NODET)
High-School diploma, GPA: 19.44/20

RESEARCH INTERESTS

Simulation and optimization of construction project, Project planning and controlling, Decision support systems, Risk analysis and cost control, Virtual construction and BIM, Construction automation

RESEARCH EXPERIENCES AND PUBLICATIONS

- FALL 2012
TO
SUMMER 2013 | Abbasianjahromi Hamidreza, Rajaie Hossein, Shakeri Eghbal, *Chokan Farzad*, (2014), “**A New Decision Making Model for Subcontractor Selection and its Order Allocation**”, Project Management Journal, Vol. 45, No.1, 55-66
- Programmed multi-objective Continuous Ant Colony Optimization (ACO_R) in MATLAB
 - Presented a new method of combining objectives to obtain the best possible result
 - Wrote the ‘Continuous Ant Colony’, ‘Model Presentation’ and ‘Procedural Summary’ sections
- FALL 2012
TO
 | Abbasianjahromi Hamidreza, Rajaie Hossein, Shakeri Eghbal, *Chokan Farzad*, “**A Framework for Subcontractor Portfolio Selection Based on Continuous Ant Colony Optimization**”, *In the last phase of writing and submitting*
- Programmed multi-objective continuous Ant Colony Optimization for both risk and cost
 - Programmed dynamic critical route finder of project networks
 - Considered characteristic dependency and schedule dependency in risk calculation
 - Wrote the ‘Problem solving by Continuous Ant colony’, ‘Case study’ and ‘Discussion’ sections

TEACHING EXPERIENCE

- FALL 2012
TO
PRESENT | **Teaching assistant (TA) of Fortran** computer programming
At Amirkabir University of Technology, Tehran, Iran for 3 semesters
- Responsible for teaching 2 classes of 30 undergraduate students, taking quizzes, grading mid-term and final papers
 - Proposed a new project “**Fifteen Puzzle**” for the course, which was highly approved by the professor
- FALL 2013 | **Tutor of MATLAB** programming language
- Taught a small group of students how to use MATLAB programming in their course projects

WORK AND MANAGEMENT EXPERIENCE

FALL 2012 TO PRESENT	Research Assistant (RA), Amirkabir University of Technology, Tehran, Iran Research Assistant (RA) in Construction Engineering and Management Field <ul style="list-style-type: none">• Conducted research under supervision of two professors and a PhD candidate• Published one paper and in the last phase of submitting an other paper• Modeled and optimized a construction related event and presented the software
WINTER 2014	The main coordinator of the third international conference of ‘Energy Trends in Energy Conservation’ (ETEC), Tehran, Iran Coordinator <ul style="list-style-type: none">• Gathered a group of students, divided them into teams and assigned each team responsibilities• Managed and supervised each team’s activity• Participated in inviting VIPs to the conference
SUMMER 2013	Internship in ‘Moghavem Sazan Iranian’ company, Gonbad-e Qabus, Iran Apprentice, concrete structure construction company <ul style="list-style-type: none">• Helped in managing construction of concrete frame apartments• Aided engineers in building of foundations and concrete curing
WINTER 2013:	One of the coordinators of second international conference of ‘Energy Trends in Energy Conservation’ (ETEC), Tehran, Iran Coordinator <ul style="list-style-type: none">• Planned and managed the conference programs• Searched and talked to the sponsors
SUMMER 2012	3 months work experience in ‘Saeedi’ company, Gonbad-e Qabus, Iran Supervisor, steel structure construction company <ul style="list-style-type: none">• Examined the process of constructing steel frame industrial buildings• Supervised making <i>Custom Welded Beams (CW beams)</i>• Evaluated welds by welding tests and addressed results to the head supervisor

COMPUTER SKILLS

Comprehensive: Python Programming Language, MATLAB, FORTRAN, Linux OS(Ubuntu), ETABS, SAFE, Autodesk AutoCAD (2D), Microsoft Office (Word, Excel, PowerPoint, Outlook)

Basic: Microsoft Project, PLAXIS 3D, GEO-SLOPE, AIMSUN, HEC-HMS, SAP2000, Latex

Special Skills: Computer Networks and Socket Programming, Multithreaded Programming, Parallel Computation with MATLAB, Concepts of Machine Learning

EXTRACURRICULAR ACTIVITIES

Spring 2010 - Fall 2014: **Co-founder and the manager of “English Free Discussion” classes**
A group of 15-20 students, in which students discuss a particular topic in English. Sometimes professors are invited to participate in the discussions in order to let the students use their experiences about the topic.

Summer 2015: **“English Translator” of international companies in international fairs**
Attended international fairs as the English translator of Turkish and Chinese companies

ACADEMIC PROJECTS AND RELATED COURSES

- Concrete Building Design: Analyzed and designed a 4 story concrete apartment
- Steel Complex Design: Analyzed and designed a 8 story complex
- System Engineering: Programmed a software to conduct Simplex Optimization Method
- Numerical Analysis: Modeling a spinning cone by the use of Infinite Elements with MATLAB
- Loading: Loading and analysis of 8 story building with SAP2000 and manual calculation
- Hydraulic Engineering: Programmed a hydrological event with parallel computation on a multi-core CPU

HONORS AND AWARDS

- SPRING 2015 Ranked **48th** among 25,000 participants in Nation-Wide University Entrance Exam of Civil Eng.
FALL 2013 Offered **Straight Admission** in the MSc program at Amirkabir University of Technology
FALL 2010 Amirkabir University of Technology's financial award as an **Exceptionally Talented** student based
SUMMER 2010 Ranked **929th** among more than 277,000 participants in Nation-Wide University Entrance Exam
SUMMER 2006 Accepted to **NODET High-School** (*National Organization for Development of Exceptional Talents*)
SPRING 2004 Ranked **1th** in the province of Golestan, Iran in Computer Skill Competition in secondary school

LANGUAGES AND TEST SCORES

TURKMEN: Native

PERSIAN: Native

ENGLISH: Fluent

TURKISH: Familiar

- FALL 2013 TOEFL iBT Score: 103
Reading: 27 , Listening: 26 , Speaking: 24 , Writing: 26
FALL 2013 Paper-based GRE revised General:
Quantitative: 165 , Verbal: 149 , Writing: 3