

**Sevilay DEMIRKESEN CAKIR,
Ph.D.**

Address: 2325 Channing Way, Unit 47
Berkeley, California, 94704.

Phone : +1 510 345 7893; +90 534 054 03 64
e-mail: sevilaydemirkesen@berkeley.edu

PROFESSIONAL EXPERIENCE

Istanbul Aydin University-Dept. of Civil Eng.

Position: Assistant Professor (02/2018-Present)

- Courses Taught: Introduction to Project Management, Construction Health and Safety

University of California Berkeley– Dept. of Civil and Env. Eng.,

Position: Post Doctoral Researcher (04/2016-01/2018)

- Working on Mistakeproofing Practices in Construction, Lean Management, Production Management, Lean Construction, Safety Management under supervision of Prof. Iris Tommelein and Glenn Ballard

Bogazici University – Engineering Faculty, Dept. of Civil Eng., Construction Management

Position: Research Assistant (2013 – 2016)

- Worked as a teaching and research assistant and assisted following civil engineering courses;
 - Ø Ø Construction Engineering and Management
 - Ø Ø Construction Planning and Scheduling
 - Ø Ø Construction Research Methods
 - Ø Ø Engineering Economics
 - Ø Ø Corporate Finance
 - Ø Ø Environmental Management
 - Ø Ø Construction Health and Safety
- Completed Projects in “Competitiveness of Construction Industry”, “Innovation Management in Construction”, and “Scheduling of Shopping Mall with Primavera 6”

IHI Infrastructure Systems Co., LTD

Position: Design Engineer (2012 – 2013)

- Worked as a design engineer in design department. Main duties were preparation of submittals, RFIs, design reports, and assisting project management department in scheduling updates and creating monthly progress reports. Created 3D models in AutoCAD for design operations. Prepared minutes of meeting and coordinated subcontractors for timely logistics and distribution.

Technobee

Position: Engineer (July 2009 – October 2009)

- Worked as an engineer in project management consultancy. Completed projects by using Autodesk Revit and AutoCAD. Worked on other BIM software to create funding opportunities for integrating BIM in construction processes.

Alarko Contracting Group

Position: Intern Engineer (July 2008 – September 2008)

- Worked as an intern in developing quantity takeoffs and assisting project management department.

EDUCATION

Ph.D. Degree

Boğaziçi University, Istanbul, Turkey

GPA: 3.64 / 4

02.2012- 01.2016

Engineering Faculty, Civil Engineering –
Thesis: *Modeling the Project Management Performance of Construction Firms*
(Supervisor: Assoc. Prof. Beliz OZORHON)

- **Projects Completed;**
Innovation Management in Construction,
Feasibility studies in Hydropower Plants,
Scheduling by using Primavera 6 , SPSS
Amos for Construction Performance
Modeling

Master's Degree
09.2010- 12.2011

Illinois Institute of Technology, Chicago, IL **GPA: 3.44 / 4**
Engineering Faculty, Civil Engineering

Thesis: *Safety Training in Construction* (Supervisor: Prof. David ARDITI)

- **Courses and Projects Completed;**
Engineering Economics; System Analysis; Legal Issues in
Construction; Cost Estimation (RS Means software was used to
estimate costs in an airport project); Contract Administration,
Construction Planning and Scheduling

Bachelor's Degree

Istanbul Technical University, Istanbul, **GPA: 3.05 / 4**
Turkey

09.2004- 01.2010

Faculty of Civil Engineering, Civil Engineering

- **Courses and Projects Completed;**
All civil engineering courses and a graduation project was submitted
in exploring use of BIM software in Construction and a case study
was reported by using VICO software.

SKILLS AND QUALIFICATIONS

Software Experience: Microsoft Office 2016, SPSS, SPSS Amos, AutoCAD, Primavera 6, Adobe Photoshop, Google Sketch Up, 3D Max.

Languages Spoken: Turkish (Native), English (Fluent), French (Professional Working Proficiency), Italian (Limited Professional Working Proficiency)

Professional Skills: Project Management, Lean Management, PMBoK Guide, Agile Management, Supply Chain Management, Lean Construction, Strategic Management, Change and Issue Management.

PROJECTS

Position: Researcher

Mistake proofing Practices in Construction (CPWR) (Completed)

Position: Researcher

Safety Management in Construction (P2SL) (Completed)

Position: Researcher

Development of a Performance Model to Measure Project Management Capabilities of Construction Firms (Bogazici University University Research Fund-BAP- Project Code: 9180) (Completed)

Position: Researcher

Feasibility Studies in Hydropower Plants (Bogazici University University Research Fund-BAP- Project Code: 6783) (Completed)

PUBLICATIONS

Journal Publications in SCI, SSCI and SCI-E Indexes

1. **Demirkesen, S.,** Ozorhon, B. (2017). Measuring Project Management Performance: Case of Construction Industry, *Engineering Management Journal*, 29(4), 258-277.
2. **Demirkesen, S.,** Ozorhon, B. (2017). Impact of Integration Management on Construction Project Management Performance. *International Journal of Project Management*. 35(8), 1639-1654.
3. Ozorhon, B., Oral, K., **Demirkesen S.** (2016), Investigating the Components of Innovation in Construction Projects. *ASCE Journal of Management in Engineering*, 32(3), 04015052.
4. **Demirkesen, S.,** Arditi, D. (2015). Construction safety personnel's perceptions of safety training practices. *International Journal of Project Management*, 33(5), 1160-1169.
5. Halicioglu, F.H., Cakir, F., **Demirkesen, S.** (2014), "Structural Assessment of Traditional Stone-Timber Houses in Turkey," *Gradevinar - Journal of the Croatian Society*, 66 (8), 727-738.
6. Ozorhon, B., **Demirkesen, S.** (2014), "Analysis of International Competitiveness of the Turkish Contracting Services," *Technical Journal*, 421, 6831-6848 (In Turkish).

Journal Publications in Peer Reviewed Journals

1. Ozorhon, B., Karatas, C.G., **Demirkesen, S.** (2014), "A Web-Based Database System for Managing Construction Project Knowledge," *Procedia - Social and Behavioral Sciences* 03/2014; 119, 377-386.
2. **Demirkesen, S.,** Arditi, D. (2011), "Safety Training in Construction Industry," *Turkish Engineering News*, 469, 2011/5, 49-55.

Proceedings

1. **Demirkesen, S.,** Ozorhon, B. (2017). An Iron Triangle Project Management Model for

Construction Firms. 7. Insaat Yonetimi Kongresi, Samsun, Turkey.

2. Howell, G., Ballard, G., **Demirkesen, S.** (2017). "Why Lean Projects Are Safer". Proc.

of 25th Annual Conference of the International Group for Lean Construction (IGLC), July 9-12, Heraklion, Crete, Greece.

3. **Demirkesen, S., Ozorhon, B. (2016).** Impact of Firm Characteristics on Project Success, 4th Construction Engineering and Management Congress, 3-5 November, Eskisehir, Turkey (In Turkish).
4. **Demirkesen, S., Tommelein, I. (2016),** “Lean Management Methods for Design and Construction: Built-in-Quality and Safety-by-Design,” 12th International Congress on Advances in Civil Engineering, 21-23 September, Istanbul, Turkey.
5. **Demirkesen, S., Ozorhon, B. (2016),** “Assessing the Impact of Project Characteristics on Construction Project Success,” 12th International Congress on Advances in Civil Engineering, 21-23 September, Istanbul, Turkey.
6. Ozorhon, B., **Demirkesen, S. (2015),** “Managing risks in public-private partnership projects: The case of Izmit Bay suspension bridge,” 8th International Conference on Construction in the 21st Century (CITC-8) "Changing the Field: Recent Developments for the Future of Engineering and Construction,” 27-30 May, Thessaloniki, Greece.
7. Ozorhon, B., Islam, M., **Demirkesen, S. (2014),** “Feasibility Studies in Hydropower Plants,” 3rd Project and Construction Management Congress, 6-8 November, 2014, Antalya, Turkey (In Turkish)
8. Ozorhon, B., **Demirkesen, S. (2014),** “International Competitiveness of the Turkish Contractors,” 11th International Congress on Advances in Civil Engineering, 21-25 October, 2014, Istanbul, Turkey.
9. Ozorhon, B., Karatas, C.G., **Demirkesen, S. (2013),** “A web-based database system for managing knowledge in construction firms ,” 27th IPMA World Congress, 30 September-2 October 2013, Dubrovnik, Croatia.
10. **Demirkesen, S., Arditi, D., Ozorhon, B. (2013),** “Safety Training Practices in Construction Industry,” 4th Symposium on Worker Health and Work Safety, 1-3 November, 2013, Konya, Turkey (In Turkish).
11. **Demirkesen, S., Dikmen, S.U., Ozorhon, B., Demirturk, O. (2013),** “Evaluation of the Worker Health and Work Safety Issues in the context of Contracts,” 4th Symposium on Worker Health and Work Safety, 1-3 November, 2013, Konya, Turkey (In Turkish).
12. **Demirkesen, S., Arditi, D. (2012),** “Challenges in Effective Construction Safety Training,” 10th Advances in Civil Engineering Congress, 17-19 October, 2012, Ankara, Turkey.
13. **Demirkesen, S., Arditi, D. (2011),** “Safety Training in Construction Industry,” 3rd Symposium on Worker Health and Work Safety, 21-23 October, 2011, Canakkale, Turkey (In Turkish).

AWARDS AND ACHIEVEMENTS

Tuition Scholarship in MSc Degree funded by Turkish Petroleum Foundation

Winner of CMAA Chicago Chapter Scholarship in 2011

Awardee of Publication Support by Turkish Scientific Research Council in 2013, 2014, 2015, and 2016.

Fellowship in CPWR Grant

TUBITAK 2219 Post-Doctoral Scholarship

Shortlisted for George Mason University's Tenure Track Assistant Professor Position

Shortlisted for University of Lincoln's Senior Lecturer Position