

ÖZGEÇMİŞ

1. **Adı Soyadı: Ahmet Serhan Kırlangıç**
2. **Unvanı: Dr.**
4. **Öğrenim Durumu: Doktora**

Derece	Alan	Üniversite	Yıl
Lisans	İnşaat Mühendisliği	İstanbul Teknik Üniversitesi	2004
Y. Lisans	Deprem Mühendisliği	Boğaziçi Üniversitesi	2008
Doktora	İnşaat Mühendisliği	Waterloo Üniversitesi	2013

5. Akademik Unvanlar:

Yardımcı Doçentlik Tarihi :
Doçentlik Tarihi :
Profesörlük Tarihi :

6. Yönetilen Yüksek Lisans ve Doktora Tezleri

6.1. Yüksek Lisans Tezleri

6.2. Doktora Tezleri

7. Yayınlar

7.1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI & SSCI & Arts and Humanities)

- **Kırlangıç, A. S.** (2020). Nonlinear Vibration based Estimation of Corrosion induced Deterioration in Reinforced Concrete. Journal of Civil Structural Health Monitoring, 10(4), 639-651, doi:10.1007/s13349-020-00408-1
- Gelman, L., & **Kırlangıç, A. S.** (2020). Novel vibration structural health monitoring technology for deep foundation piles by non-stationary higher order frequency response function. Structural Control and Health Monitoring, 27(6), doi:10.1002/stc.2526.
- **Kırlangıç, A. S.**, Cascante, G., & Salsali, H. (2020). A New Diagnostic Index based on Surface Waves: A Case Study on a Concrete Digester Tank. Journal of Performance of Constructed Facilities, doi:10.1061/(ASCE)CF.1943-5509.0001522.
- **Kırlangıç, A. S.**, Cascante, G., & Polak, M. (2017). Characterization of Piezoelectric Accelerometers Beyond the Nominal Frequency Range. ASTM International Geotechnical Testing Journal, 40(1), <https://doi.org/10.1520/GTJ20150091>. ISSN 0149-6115.
- **Kırlangıç, A. S.**, Cascante, C., & Polak, M. (2016). Damage Assessment of Concrete Beams with Defects Using Surface Waves. ACI Materials Journal, 113(1), 73-81.
- **Kırlangıç, A. S.**, Cascante, C., & Polak, M. (2015). Condition Assessment of Cementitious Materials Using Surface Waves in Ultrasonic Frequency Range. ASTM International Geotechnical Testing Journal, 38(2), 1-11.

7.2. Uluslararası diğer hakemli dergilerde yayınlanan makaleler

7.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (*Proceedings*) basılan bildiriler

- **Kırlangıç, A. S.** (2019). Vibration based Condition Assessment of Deteriorated Reinforced Concrete. Proceedings of Conference of Smart Monitoring, Assessment and Rehabilitation of Civil Structures (SMAR). Postdam, Germany.

- **Kırlangic, A. S.** (2018). Estimation of Deterioration in Reinforced Concrete Using Vibration Processing Techniques. Proceedings of the 13th Advances in Civil Engineering Congress. Izmir, Turkey.
- **Kırlangic, A. S.**, Cascante, C., & Polak, M. (2015). Assessment of Defects in Cemented Materials Using Ultrasonic Waves. Proceedings of the 3rd Conference on Smart Monitoring, Assessment and Rehabilitation of Structures (SMAR). Antalya, Turkey.
- **Kırlangic, A. S.**, Polak, M., & Cascante, C. (2015). Condition Assessment of Concrete Beams with Irregular Defects Using Surface Waves. Proceedings of the International Symposium Non-Destructive Testing in Civil Engineering (NDT-CE). Berlin, Germany.
- **Kırlangic, A. S.**, Polak, M., & Cascante, C. (2015). Application of Surface Waves for Condition Assessment of Cementitious Materials. Proceedings of the International Symposium Non-Destructive Testing in Civil Engineering (NDT-CE). Berlin, Germany.
- **Kırlangic, A. S.**, Kesti, M. G., Çaktı, E., & Erdik, M. (2010). Temporary Earthquake Retrofit of the Land Walls in Istanbul. Proceedings of the 14th European Conference on Earthquake Engineering (5222-5229). Ohrid, Macedonia.

7.4. Yazılan uluslararası kitaplar veya kitaplarda bölümler

7.5. Ulusal hakemli dergilerde yayınlanan makaleler

7.6. Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

7.7. Diğer yayınlar

8. Projeler

- TUBITAK (2018-2020): "Ultrasound based damage characterization of the structural concrete elements"
- ERC (2013-2016): "PileInspect: Integrity Testing of Deep Foundation Piles"

9. İdari Görevler

10. Bilimsel ve Mesleki Kuruluşlara Üyelikler

11. Ödüller

- 2018-2020, TUBITAK, Yurda Dönüş Bursu
- 2008-2012, University of Waterloo, Araştırma Asistanı Bursu,
- 2007, ProVention Consortium (International Federation of Red Cross and Red Crescent Societies), Research & Action for Disaster Risk Reduction Grant,

12. Son iki yılda verdiğiniz lisans ve lisansüstü düzeydeki dersler için aşağıdaki tabloyu doldurunuz.

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
2016-2017	İlkbahar	CEN 3016 Structural Analysis	3	0	28
		CEN 4018 Foundation Engineering	2	2	8
2017-2018	Güz	CEN 3013 Soils Mechanics	3	2	60
		CEN 4124 Intro. to Structural Dynamics	3	0	20
2018-2019	Güz	CEN 3013 Soils Mechanics	3	2	80

		CEN 4124 Intro. to Structural Dynamics	3	0	20
		CEN 4015 Reinforced Concrete	3	0	60
		CEN 4999 Capstone Project	0	4	3
2018-2019	İlkbahar	CEN 3016 Structural Analysis	3	0	80
		CEN 4018 Foundation Engineering	3	0	80
		CEN 4999 Capstone Project	0	4	12
2019-2020	Güz	CEN 3013 Soils Mechanics	3	2	100
		CEN 4991 Capstone Project 1	1	0	65
		CEN 4999 Capstone Project	0	4	3
2019-2020	İlkbahar	CEN 3014 Structural Analysis	3	0	110
		CEN 4992 Capstone Project 2	0	4	8

Not: Açılmışsa, yaz döneminde verilen dersler de tabloya ilave edilecektir.