















- Investigation of aggregate and binder types effects on the micro surfacing rutting properties. Presented at ICICA15 Annual Meeting.
- [37] Bruce MEC, Berg RR, Collin JG, Filz GM, Terashi M, Yang DS. (2013). Federal highway administration design manual: deep mixing for embankment and foundation support. Publication No. FHWA-HRT-13-046. Office of Transportation Management Federal Highway Administration, Washington DC, USA.
- [38] National Center for Pavement Preservation. Pavement Deterioration Curve. Pavement preservation is cost effective.  
[http://images.slideplayer.com/35/10456260/slides/slide\\_34.jpg](http://images.slideplayer.com/35/10456260/slides/slide_34.jpg), accessed on Dec. 27, 2018.
- [39] Springfield Department of Public Works. (2009). Pavement Management. City of Springfield, Massachusetts, USA. <https://www.springfield-ma.gov/dpw/index.php?id=121>, accessed on Dec. 27, 2018.
- [40] Yu B, Xingyu G, Fujian N, Rui G. (2015). Multi-objective optimization for asphalt pavement maintenance plans at project level: Integrating performance, cost and environment. *Transp Res Part D*. 41: 64–74. <https://doi.org/10.1016/j.trd.2015.09.016>
- [41] Praticò FG, Vaiana R, Giunta M. (2013). Pavement Sustainability: Permeable Wearing Courses by Recycling Porous European Mixes. *J Arch Eng*. 19 (3): 186-192. [https://doi.org/10.1061/\(ASCE\)AE.1943-5568.0000127](https://doi.org/10.1061/(ASCE)AE.1943-5568.0000127)
- [42] Varela-González M, Solla M, Martínez-Sánchez J, Arias P. (2014). A semi-automatic processing and visualisation tool for ground-penetrating radar pavement thickness data. *Aut in Constr*. 45: 42–49. <https://doi.org/10.1016/j.autcon.2014.05.004>
- [43] Svenson K. (2013). Estimated lifetimes of road pavement in Sweden using time-to-event analysis. Dalarna University, Sweden.
- [44] Lin S, Ashlock JC, Williams RC. (2016). Nondestructive quality assessment of asphalt pavements based on dynamic modulus. *Constr & Build Mat*. 112: 836–847. <https://doi.org/10.1016/j.conbuildmat.2016.02.189>
- [45] Nazarko J, Radziszewski P, Dębkowska K, Ejdyns J, Gudanowska A, Halicka K, Kilon J, Kononiuk A, Kowalski KJ, Król JB, Nazarko L, Sarnowski M, Vilutienė T. (2015). Foresight study of road pavement technologies. *Proc. Eng.* 122: 129-136. <https://doi.org/10.1016/j.proeng.2015.10.016>
- [46] Shi Y, Meng X, Zhao J, Hu X, Liu B, Wang H. (2010). Benchmarking cloud-based data management systems. Presented at Cloud DB10, Toronto, CA, 2010. <https://doi.org/10.1145/1871929.1871938>
- [47] Fedele R, Praticò FG, Carotenuto R, Della Corte FG. (2017). Instrumented infrastructures for damage detection and management. Presented at MT-ITS17. <https://doi.org/10.1109/MTITS.2017.8005729>
- [48] ASTM E2583-07(2015), Standard Test Method for Measuring Deflections with a Light Weight Deflectometer (LWD), ASTM International, West Conshohocken, PA, 2015, [www.astm.org](http://www.astm.org). <https://doi.org/10.1520/E2583-07R15>
- [49] Fedele R, Della Corte FG, Carotenuto R, Praticò FG. (2017). Sensing road pavement health status through acoustic signals analysis. Presented at PRIME 17 Annual Meeting. <https://doi.org/10.1109/PRIME.2017.7974133>
- [50] Bendat JS, Piersol AG. (2010). Random data analysis and measurement procedures. *Measurement Science and Technology* 11(12), 4th ed.
- [51] Schubert E, Wolfe J. (2006). Does timbral brightness scale with frequency and spectral centroid? *Acta Ac Un Ac*. 92: 820–825.
- [52] Postorino MN, Praticò FG. (2012). An application of the multi-criteria decision making analysis to a regional Multi-airport system. *Res in Transp Bus & Manag*. 4: 44–52. <https://doi.org/10.1016/j.rtbm.2012.06.015>