Cite this article
Pakrashi V (2026)
Editorial.
Infrastructure Asset Management **13(3)**: 151,
https://doi.org/10.1680/jinam.2026.13.3.151

Infrastructure Asset Management

Editorial

Vikram Pakrashi
UCD Centre for Mechanics, School of Mechanical and Materials Engineering, University College Dublin, Ireland (vikram.pakrashi@ucd.ie)

This issue captures how built infrastructure demands are intricately and globally linked to data and digital aspects. The issue starts by underpinning the needs of infrastructure for growth (Khaki and Cash, 2026). However, delivery of such infrastructure often poses key obstacles in terms of time, cost and quality. Jadidoleslami *et al*. (2026) demonstrate how such factors can be systematically handled as an integral part of project management. Jiang *et al*. (2026) show at an urban renewal level how city information modelling can make urban spaces liveable, green, resilient, smart and cultural and how sensing and monitoring frameworks can play a key role in it.

Subsequently, a number of works investigate a number of built infrastructure sectors. Chen (2026) highlights how data analytics can be helpful in establishing the water demand for fire, while Lan (2026) focuses on how BIM modelling and operation & maintenance management of large-scale bridges can be helpful. The impact of such a data-driven approach can be equally relevant for underserved areas. Myakala *et al*. (2026) investigated how sustainable pavement maintenance treatment options for low-volume rural roads can be made fundamental to efficient strategies.

Morshed (2026) highlight the ability of digital twins to influence such projects, and emphasizes this in the context of Gulf Cooperation Council infrastructure. How such a vision can be translated to real projects is shown by Saback *et al*. (2026) through a case study of a reinforced concrete chimney in Sweden.

Finally, Bondinuba *et al*. (2026) conclude the issue with their commentary on a particularly important human factor which can defeat excellence in engineering, technology and data science – corruption.

As built infrastructure lifelines degrade and become exposed relentlessly to natural and anthropogenic hazards, there is a strong need to listen to the experiences of different countries in terms of how they manage their assets. To this effect, the Editorial Board of INAM is pleased to highlight the article 'Addressing Extreme Weather in Transportation Asset Management Plans: A US Perspective' by Lauren Gardner and Mark Abkowitz, which has been awarded the 2026 ICE Publishing Infrastructure Asset Management Prize. Selected in recognition of its exceptional quality and contribution to the infrastructure asset management community, the paper is available free to read for one year as part of the ICE Publishing Awards programme.

Read the article here: Addressing extreme weather in transportation asset management plans: a US perspective | Infrastructure Asset Management | Emerald Publishing.

REFERENCES

Bondinuba FK, Ameyaw C, Mewomo M and Somi F (2026) The anthropological and motivational dimensions of corruption in the construction industry. *Infrastructure Asset Management* **13(3)**: 279–291, 10.1680/jinam.25.00001.

Chen X (2026) Method of predicting fire water demand based on big data. *Infrastructure Asset Management* **13(3)**: 204–214, 10.1680/jinam.25.00008.

Jadidoleslami S, Saghatforoush E, Zareravasan A and Mansouri T (2026) Constructability obstacles: an FCM-based dynamic modelling. *Infrastructure Asset Management* **13(3)**: 169–192, 10.1680/jinam.23.00020.

Jiang X, Yang L, Xu G, Quan W and Yang L (2026) Exploring the CIM-based framework for safety hazards identification in urban renewal. *Infrastructure Asset Management* **13(3)**: 193–203, 10.1680/jinam.24.00060.

Khaki MA and Cash TA (2026) Symmetric and asymmetric impact of infrastructure on economic growth in India. *Infrastructure Asset Management* **13(3)**: 152–168, 10.1680/jinam.25.00064.

Lan Z (2026) BIM modelling and operation & maintenance management of large-scale bridges: a CATIA-based approach. *Infrastructure Asset Management* **13(3)**: 215–226, 10.1680/jinam.25.00003.

Morshed A (2026) Digital twin adoption, cost accounting, and sustainability in GCC infrastructure systems. *Infrastructure Asset Management* **13(3)**: 255–265, 10.1680/jinam.25.00057.

Myakala RR, Joshi N and Sabavath S (2026) Development of sustainable pavement maintenance treatment options for low-volume rural roads. *Infrastructure Asset Management* **13(3)**: 227–254, 10.1680/jinam.24.00055.

Saback V, Popescu C, Täljsten B and Blanksvärd T (2026) Purpose-driven roadmap for digital twins in engineering & construction: case study. *Infrastructure Asset Management* **13(3)**: 266–278, 10.1680/jinam.24.00061.