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Award-winning paper in 2017.

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Announcement

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Award-winning paper in 2017

Papers published in *Engineering Sustainability* are eligible for awards from the Institution of Civil Engineers. Papers from any of the ICE journals can be nominated for several awards. In addition, each journal has awards dedicated to their specific subject area.

On Monday 8 October 2018, ICE president Robert Mair presented an award to the following paper published in *Engineering Sustainability* in 2017. The editorial panel nominated their best papers and an awards committee chaired by Nigel Wright allocated the awards.

Richard Trevithick Prize

The Richard Trevithick Prize, presented for the best paper published in *Engineering Sustainability*, was awarded to Mulligan *et al.* (2017).

Abstract

Much of the world's existing and future population will live in slums, where the twin trajectories of rapid urbanisation and increased flooding driven by climate change collide. Few spatial planning policies currently address this issue in practice. Poorly planned relocation from slum areas has caused conflict and

insecurity, while large-scale infrastructural solutions for reducing flood risk are prohibitively expensive. There is a need to consider how local adaptation measures for increasing resilience to flooding can complement other structural and policy measures. This paper describes and evaluates autonomous, market-based and public-policy-driven structural and non-structural adaptation approaches to flooding in Kibera, the largest informal settlement in Nairobi, Kenya. The analysis employs a novel survey data set from 963 households in Kibera and extensive community and institutional stakeholder consultation. Results of the consultation demonstrate how autonomous adaptation at the household level is disincentivised by insecure housing tenure, while public-policy-driven approaches are constrained by the lack of effective community engagement. Combining the lessons from this analysis with 10 years of experience in developing public space and infrastructure projects in Kibera, the paper builds the case for an approach to 'community-responsive adaptation' to urban flooding that negotiates these limitations.

REFERENCE

Mulligan J, Harper J, Kipkemboi P, Ngobi B and Collins A (2017)
Community-responsive adaptation to flooding in Kibera, Kenya.
Proceedings of the Institution of Civil Engineers – Engineering Sustainability **170(5)**: 268–280, <https://doi.org/10.1680/jensu.15.00060>.