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In this section we shine a spotlight on papers recently published in *Structures* – the Research Journal of The Institution of Structural Engineers.

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Articles in press

The following articles have recently been made available online:

Article title	Authors	Available at:
Behaviour and design of composite steel and precast concrete transom for railway bridge application	O. Mirza, A. Talos, M. Hennessy and B. Kirkland	https://doi.org/10.1016/j. istruc.2019.03.006
Characterisation of a new flat mechanical shear connection mean for steel-concrete composite columns	C. Odenbreit, M. Chrzanowski, R. Obiala, T. Bogdan and H. Degée	https://doi.org/10.1016/j.istruc.2019.03.001
The 2017–18 design and construction of ice composite structures in Harbin	Arno Pronk, Mark Mistur, Qingpeng Li, Xiuming Liu, Rijk Blok, Rui Liu, Yue Wu, Peng Luo and Yu Dong	https://doi.org/10.1016/j.istruc.2019.01.020
Rwanda Cricket Stadium: Seismically stabilised tile vaults	Michael Ramage, Timothy J. Hall, Ana Gatóo and M. Wesam Al Asali	https://doi.org/10.1016/j. istruc.2019.02.004
Steel concrete composite systems for modular construction of high-rise buildings	J.Y.R. Liew, Y.S. Chua and Z. Dai	https://doi.org/10.1016/j.istruc.2019.02.010

Most popular articles

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Article title	Authors	Available at:
Finite Element Modeling and Design of Single Angle Member Under Bi-axial Bending	A. Hussain, Yao-Peng Liu and Siu-Lai Chan	https://doi.org/10.1016/j.istruc.2018.11.001
Design of Truss Structures Through Reuse	Jan Brütting, Joseph Desruelle, Gennaro Senatore and Corentin Fivet	https://doi.org/10.1016/j.istruc.2018.11.006
Properties and applications of FRP in strengthening RC structures: A review	Y.H. Mugahed Amran, Rayed Alyousef, Raizal S.M. Rashid, Hisham Alabduljabbar and CC. Hung	https://doi.org/10.1016/j. istruc.2018.09.008
Performance of Precast Prestressed Steel- Concrete Composite Panels Under Static Loadings to Replace the Timber Transoms for Railway Bridge	Olivia Mirza, Sukanta Kumer Shill and Jason Johnston	https://doi.org/10.1016/j.istruc.2018.12.001
Reinforcing steel fracture identification for a high-performance bridge system	Islam M. Mantawy, Travis Thonstad, David H. Sanders, John F. Stanton and Marc O. Eberhard	https://doi.org/10.1016/j.istruc.2018.11.017