

Exhibitions

Proceedings of the Institution of Civil Engineers

Engineering History and Heritage

THEMED ISSUE

Champion: Bill Addis, Buro Happold, London

Engineering History and Heritage is planning a themed issue for 2012 on the engineering issues of major national and international exhibitions and expositions. Sometimes by accident and sometimes by design these exhibitions have frequently been showcases for structural engineering and, because of the temporary nature of many of the buildings, light-weight structures have been a recurrent theme.

The themed issue will address the contribution that remarkable structures made to the exhibitions, and also the role of the exhibitions in stimulating and diffusing innovations in the field of structural and construction engineering. Papers should address not merely what was built, but rather the part the structures played in the development of engineering. Among the best known examples are the Crystal Palace in London (1851), the structures of Eiffel in Paris (1878 and 1889), Contamin's steel *Galérie des machines* in Paris (1889), the tensile structures of Shukov in Novgorod (1896), the reinforced concrete *Jahrhunderthalle* in Breslau (1913), the Atomium and many other structures in Bruxelles (1958), Frei Otto's German pavilion in Montréal (1968), David Geiger's cable dome and the air-inflated Fuji pavilion at Osaka (1970), the many tensile structures in Seville (1992) and the first exhibition devoted to green building in Hannover (1990).

Papers are invited on, but are not limited to, the following themes:

- What major structural innovations did (certain) international exhibitions stimulate?
- Were the structures of international exhibitions ahead of their time?
- Did exhibitions stimulate or celebrate innovations apart from in structural engineering (e.g. new materials, prefabrication, climate control)?
- Did the exhibitions stimulate unusual or innovative structures as a means of feeding national pride?
- How and why did some exhibitions result in innovative structures and others did not?
- Have exhibitions of the last decade or so stimulated green building design in the same way?

The deadline for abstracts is 10th January 2011. The deadline for submissions is 1st June 2011.

Engineering History and Heritage publishes refereed papers, short articles and book reviews on all aspects of the history of civil engineering and construction. The scope includes histories of the engineering disciplines, engineering science, design methods, individual engineering works, construction firms and biography. The journal will be of particular interest to engineering historians as well as practitioners and researchers facing the challenges of maintaining or adapting our inherited infrastructure and engineering works.

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