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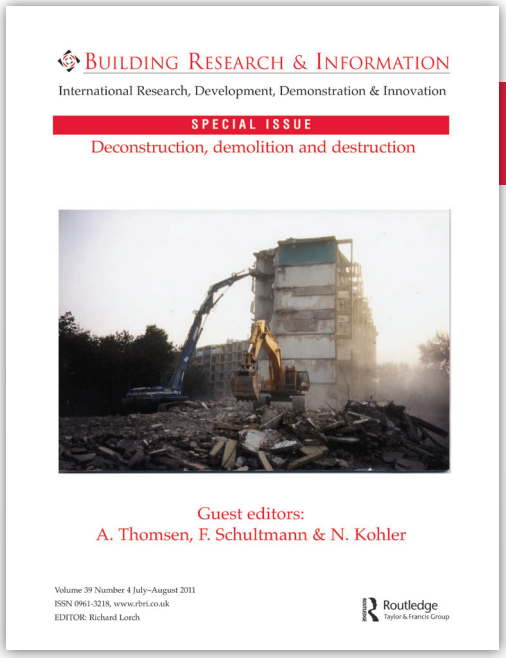

SPECIAL ISSUE

Deconstruction, Demolition and Destruction

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Guest editors: André Thomsen, Frank Schultmann and Niklaus Kohler

Why are buildings demolished? The phenomenon of demolition (or 'end of life') is more than a set of technical problems (design strategies, deconstruction, waste reduction, financial management, etc) requiring investigation. Theoretical and evidence-based research approaches are presented to understand not only the drivers but the significant social, economic and environmental impacts as well.

Demolition is becoming a key research and policy area due to the pressing concerns of managing 'shrinking cities', clearing old districts for rapid urbanisation in growing cities, financial pressures for redevelopment as well as managing existing assets and reducing a large waste stream.

A large field of research is opening which combines top-down theoretical approaches (e.g. a theory of obsolescence), concepts from social-ecological system analysis (adaption, resilience), approaches from social science (e.g. social capital, collective memories) and others still to be articulated. In parallel and to complement the top-down approach, bottom-up studies are emerging about process of urban transformation e.g. shrinkage under different forms, survival analysis of particular building stocks, actor-oriented approaches. Demolition is a good example of the necessity of transdisciplinary research: no discipline can claim demolition to be its own.

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Deconstruction, demolition and destruction: a bibliography

Building Research & Information has a strong track record of delivering cutting edge research on deconstruction, demolition and destruction. The list below excludes destruction associated with disasters, which forms a distinct literature. The journal provides a transdisciplinary approach to complex issues and linkages between policy, strategy and practice. Visit **www.rbri.co.uk** for more.

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  A Thomsen and K van der Flier
  39(4), 2011, pp 352–362

- **Consequences of massive housing destruction: the New York City fire epidemic**
  D Wallace and R Wallace
  39(4), 2011, pp 395–411

- **Demolition in the Bijlmermeer: lessons from transforming a large housing estate**
  F Wassenberg
  39(4), 2011, pp 363–379

- **Demolition and preservation in shrinking US industrial cities**
  Alan Mallach
  39(4), 2011, pp 380–394

- **The post-war destruction of Swedish cities**
  Bengt O.H. Johansson
  39(4), 2011, pp 412–429

- **Matching construction and demolition waste supply to recycling demand: a regional management chain model**
  M Hiete, J Stengel, J Ludwig and F Schultmann
  39(4), 2011, pp 333–351

- **Social stakes of urban renewal: recent French housing policy**
  P Gilbert
  37(5-6), 2009, pp 638–648

- **Housing stock shrinkage: vacancy and demolition trends in Germany**
  C Deilmann; K-H Effenberger; J Banse
  37(5 - 6), 2009, pp 660–668

- **Replacement or renovation of dwellings: the relevance of a more sustainable approach**
  André Thomsen; Kees van der Flier
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- **Long-term building stock survival and intergenerational management: the role of institutional regimes**
  U Hassler
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- **Criteria for salvageability: the reuse of bricks**
  A S Nordby; B Berge; F Hakonsen; A G Hestnes
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- **Towards modelling of construction, renovation and demolition activities: Norway's dwelling stock, 1900–2100**
  I Sartori; H Bergsdal; D B Müller; H Brattebø
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- **Designing with reused building components: some challenges**
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- **Energy-oriented deconstruction and recovery planning**
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- **Methodology for the survival analysis of urban building stocks**
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- **Comparing environmental impacts of renovated housing stock with new construction**
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- **Monitoring demolition of prestressed concrete**
  P. Lindsell; S.H. Büchner
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- **Including recycling potential in energy use into the life-cycle of buildings**
  C Thormark
  28(3), 2000, pp 176–183

- **Equipment performance and mixing techniques**
  C. De Pauw; E. Rousseau
  14(3), 1986, pp 164–169