

An International Journal

Waste and Resource Management

Proceedings of the Institution of Civil Engineers

Editor: Professor William Powrie, *University of Southampton, UK*

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**New for
2006**



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This international journal arrives as we face numerous waste issues. Waste management is a multi-billion pound industry, and a subject much debated amongst local authorities, national government and the public. It has far-reaching economic, technological and socio-political implications. Managing waste affects everybody and is a collective responsibility.

New for 2006, *Waste and Resource Management* takes an innovative and authoritative look at the problems, challenges, opportunities, legislation and standards that will impact upon the industry.

A vital part of the Proceedings of the Institution of Civil Engineers proceedings package, this latest journal provides original research and practice papers on all construction and civil engineering aspects of managing waste materials.

The range of subjects covered encompasses, but is not restricted to, strategies for reducing construction waste through better design, waste prevention, improved recovery and reuse of secondary materials, providing energy from waste, more efficient resource management, the performance of materials recovered from wastes, and the procurement, planning, design, construction, operation and logistics of waste and resource management facilities.

This journal looks at all forms of waste, whether from municipal, commercial or industrial sectors. It provides an enhanced knowledge of what waste materials are being generated from which sources, both by sector of the economy and geographically. *Waste and Resource Management* emphasises the significant role that the government plays in managing waste, as well as the economic factors involved, linking recycling and recovery activities to the need for strong organisation.

The recovery process of individual resources is paramount to an improved environment, and all methods and ideas need to be presented. Waste management is not merely an 'end-of-pipe' solution; the process chain needs consideration, namely design, procurement and consumption.

The management of resources is a burning issue and several new facilities will be required to meet waste demands. Adopted techniques need to meet sustainable development criteria, ensuring that problems are not left for future generations.

Waste and Resource Management is essential reading for engineers, surveyors, building contractors, geologists, environmental scientists, accountants, local and central government regulators and enforcers, as well as all who produce, manage, transport, reuse, reclaim, recycle and manage waste.

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New 2006 Proceedings journal, publishing original research and practical papers for all those involved in waste management

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“Waste and resource management is no longer the sole preserve of waste professionals, everyone in society has a role to play to some degree, particularly those involved in design and procurement.”

Ian Avery, Natural Resources Initiative Manager, Environment Department, Hampshire County Council

Forthcoming topics include:

- **New household waste recycling centre in Blackpool, UK**
L Cunningham and A Conroy
- **Using china clay waste in sprayed concrete applications**
N Henderson and A Asbridge
- **Improving the operation of PFI in the waste management sector**
N Mattravers
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- **Biofuels/biofuel recycling**
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- **Decision criteria for sludge treatment systems**
HG Valerius
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- **Technologies Advisory Committee/New Technologies Demonstrator programme**
M Chesshire
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