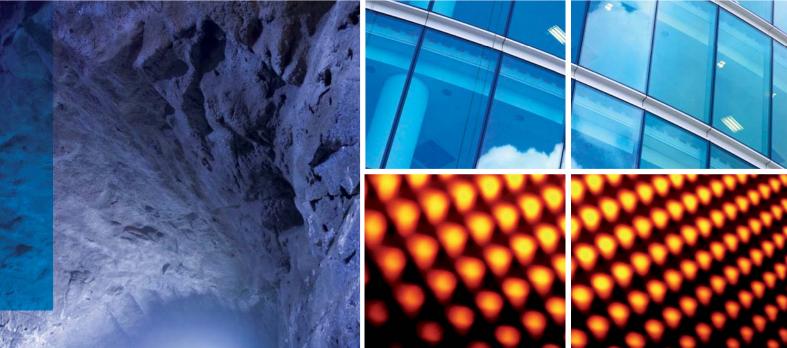




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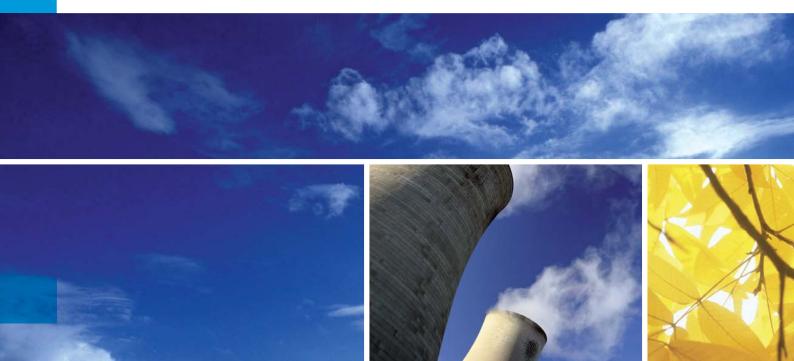


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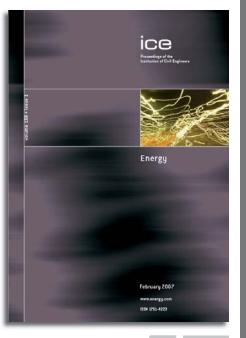
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NEW for 2007





#### DESCRIPTION

Due for launch in 2007, *Energy* will provide authoritative papers on the key area of energy provision. It will cover all aspects of the planning, design, construction, maintenance, operation and decommissioning of energy-related projects.

Papers will be devoted to areas such as energy generation, conservation and distribution, and the more efficient use of energy.

Particular topics targeted for early issues include the development of sustainable energy policy and technology, renewable energy sources, nuclear power and the future of fossil fuels.

Other areas of focus will include electricity generation and transmission, district heating, storage schemes, energy conservation and efficiency in buildings, and the use of energy in infrastructure and transport systems.

Energy

formerly Sir Robert McAlpine

PUBLICATION DETAILS ISSN 1751-4223 (Print) ISSN 1751-4231 (Online)

Frequency quarterly Six Month FREE Trial

Regular Subscription Price \$420

online as they become available)

(Print and Online, including 5 years' back issues

David Kerr

CHAIRMAN AND HONORARY EDITOR



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# Management, Procurement and Law

#### CHAIRMAN AND HONORARY EDITOR

David Loosemore Arup Project Management

**PUBLICATION DETAILS** ISSN 1751-4304 (Print) ISSN 1751-4312 (Online)

Frequency quarterly Six Month FREE Trial Regular Subscription Price \$420 (Print and Online, including 5 years' back issues online as they become available)

PRINT ONLINE



#### DESCRIPTION

Due for launch in 2007, *Management, Procurement and Law* will publish papers on all aspects of the management, procurement and legal aspects of running construction projects.

Areas of coverage will include procurement strategies and contractual arrangements, managing the planning and design processes, and managing the construction phase. Particular emphasis will be placed on issues such as guality, value, risk, environment and safety.

Particular topics targeted for early issues include national and international procurement procedures, conditions of contract, and dispute avoidance and resolution.

Management papers will cover areas relevant to the management of construction businesses such as information technology systems, knowledge management systems, the introduction of new practices and procedures, business development, relationship management and staff recruitment, development and training.







#### CHAIRMAN AND HONORARY EDITOR

**Barry Mawson** Capita Symonds

#### **PUBLICATION DETAILS**

ISSN 1478-4629 (Print) ISSN 1751-7664 (Online)

#### Frequency quarterly

Six Month FREE Trial

Regular Subscription Price \$458

(Print and Online, including 5 years' back issues online as they become available)



#### PRINT ONLINE

#### RECENT PAPERS INCLUDE

- Performance of a stress-laminated-timber arch bridge
- Load-carrying capacity of flooded masonry arch bridges
- Flisa Bridge, Norway—a record breaking timber bridge
- Analytical fatigue assessment of riveted rail bridges
- Developments in the use of GPS for bridge monitoring
- Design and construction of two launched bridges
- Engineering, architecture and the River Po footbridge, Turin
- Reducing damage to concrete stitches in bridge decks
- A Bayesian belief network model of bridge deterioration
- Long-term maintenance strategies for highway bridges

**Special Issue June 2007:** Railway Bridges

#### DESCRIPTION

First published in 2003, **Bridge Engineering** has rapidly established itself as one of the leading publications covering developments in bridge engineering.

Topics covered include the design, construction, maintenance, management, monitoring and upgrading of all types of bridge structures-including highway bridges and viaducts, rail bridges, pedestrian bridges and walkways, aqueducts and temporary crossings.

Areas of coverage planned for future issues include the use of new materials, strategies for assessing strengthening and maintenance needs, analysis of failures, and case studies of bridge construction projects.









### Civil Engineering

#### CHAIRMAN AND HONORARY EDITOR

Mark Rudrum Arup

#### PUBLICATION DETAILS

ISSN 0965-089X (Print) ISSN 1751-7672 (Online)

Frequency quarterly + 2 special issues Six Month FREE Trial

Regular Subscription Price **\$274** (Print and Online, including 5 years' back issues online)



#### DESCRIPTION

*Civil Engineering* is the ICE's flagship journal providing papers and briefing articles on topics across the spectrum of civil engineering activity.

It provides lively discussion on multi-faceted subjects ranging from papers on major or particularly interesting projects, to philosophical, ethical, environmental, management and safety issues as they affect the civil engineer.

Practical and diverse in its scope, this journal gives a wide-ranging insight into the engineering profession. Comprising refereed papers, short briefing articles, discussions and book reviews, all material is thought-provoking, informative and enlightening.

*Civil Engineering* also publishes two special issues per year, each covering a major project or subject area.





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- Cheong Gye Cheon restoration in Seoul, Korea
- Electrification of US opening rail bridges
- Boston's massive jacked tunnels set new benchmark
- Improving traffic behaviour and safety through urban design
- Falsework verticality: leaning towards danger?
- Marine energy: getting power from tides and waves
- Experience of risk management
- Water for the world—why is it so difficult?
- Dams: setting a new standard for sustainability
- Civil engineers remain positive about Middle East

#### Special Issue May 2007:

Telford 250 – celebrating the 250th anniversary of the birth of Thomas Telford, one of the greatest engineers of the 19th century

**Special Issue November 2007:** Channel Tunnel Rail Link Section 2 – connecting London to the Tunnel

### **Construction Materials**



CHAIRMAN AND HONORARY EDITOR

Dr Stephen Ledbetter University of Bath

PUBLICATION DETAILS

ISSN 1747-650X (Print) ISSN 1747-6518 (Online)

Frequency quarterly

Six Month FREE Trial

Regular Subscription Price \$420

(Print and Online, including 5 years' back issues online as they become available)



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#### **RECENT PAPERS INCLUDE**

- Joining timber with glass fibre and epoxy
- Evaluating in situ shear strength of bituminous pavements
- Modelling drying shrinkage of cement-stabilised crushed rock
- Performance of helically shaped metal fasteners in timber
- Composite model for basic creep of high-strength concrete
- Leaching studies on cement-based products
- Gypsum: prospects for recycling
- Sustainable timber procurement
- Stress lamination: utilising lowgrade timber in construction
- A fracture-based model for the compressive strength of masonry

Special Issue August 2007: Stone

#### DESCRIPTION

Launched in 2006, *Construction Materials* provides papers on all aspects of the use of different materials in construction.

It covers areas such as the procurement, specification, application, development, performance and evaluation of materials used in construction. Classes of materials covered include metals, timber, glass, ceramics, cement, concrete, bricks, terracotta, stone, finishes, rubber, plastic, sealants, adhesives, bitumen and fabrics as well as innovative and recycled materials and novel applications.

Coverage is also provided of the aspects which need to be taken into account when selecting materials - including embodied energy, environmental impact, service life, refurbishment, recycling and reuse.









# Engineering Sustainability

#### CHAIRMAN AND HONORARY EDITOR

Prof. Richard Ashlev University of Sheffield

PUBLICATION DETAILS

ISSN 1478-4637 (Print) ISSN 1751-7680 (Online)

Frequency quarterly Six Month FREE Trial Regular Subscription Price \$458

(Print and Online, including 5 years' back issues online as they become available)



#### DESCRIPTION

First published in 2003, *Engineering Sustainability* has established itself as a leading forum in the publication of important material on the introduction of higher levels of sustainability in construction activity.

Its aim is to assist the engineering profession and the wider community to change the way it works, delivering sustainable solutions for the benefit of all, through to the pursuit and implementation of sustainability principles in engineering, planning, design and application.

Engineering is interpreted in the widest sense to include topics such as urban regeneration, environmental, social and economic considerations, efficiency in the use of natural resources, and sustainability in urban and rural contexts. It also includes methodologies for assessing sustainability, policy issues, education and corporate responsibility.





#### **RECENT PAPERS INCLUDE**

- Urban biodiversity and sustainable development
- н. Sustainable transport policies under scarcity of oil supply
- Organised recycling in Gaborone, 11 A Botswana,
- Creating walkable urban environments
- н. Sustainable regeneration of former Mackies site, Belfast
- Decision-support tools for sustainable drainage
- Optimum design of sustainable . concrete pavements
- н. Engineering at the Centre for Alternative Technology
- 100 Sustainable water—lessons from the developing world
- Transport, mobility and social capital in developing countries

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#### CHAIRMAN AND HONORARY EDITOR

Tim Fitch Taylor Woodrow

issues online)

#### PUBLICATION DETAILS

ISSN **1353-2618** (Print) ISSN **1751-8563** (Online)

Frequency **quarterly** Six Month FREE Trial Regular Subscription Price **\$276** (Print and Online, including 5 years' back



### PRINT ONLINE

#### **RECENT PAPERS INCLUDE**

- Evaluating the seismicity parameters of Tehran, Iran
- Use of stiffness inserts in pile groups and piled rafts
- Building a deep isolating wall by an existing rail tunnel
- Construction monitoring of cut and cover tunnel
- Comparing CPT and pile base resistance in sand
- Stiffness and cyclic response of clayey fine sands
- Three-dimensional modelling of sprayed-concrete-lined tunnels in clay
- Pipe pile installation effects in soft clay
- Distributed strain measurement for pile foundations
- Set-up effect in long piles in weathered soils

#### DESCRIPTION

**Geotechnical Engineering** aims to provide practical, relevant and useful information for practising geotechnical engineers.

It covers all aspects of geotechnical engineering including tunnelling, foundations, retaining walls, embankments, diaphragm walls, piling, subsidence, soil mechanics, and geoenvironmental engineering

Presented in the form of reports, design discussions, methodologies and case records, it forms an invaluable reference work, highlighting projects which are interesting and innovative.









### Maritime Engineering

#### CHAIRMAN AND HONORARY EDITOR

**Rachel Fowler** Halcrow Group

PUBLICATION DETAILS ISSN 1741-7597 (Print)

ISSN 1751-7737 (Online)

Frequency quarterly Six Month FREE Trial Regular Subscription Price \$336

(Print and Online, including 5 years' back issues online as they become available)



#### DESCRIPTION

**Maritime Engineering** publishes high-quality technical papers relevant to maritime civil engineering activities in estuaries, along coastlines and at offshore locations. Its primary aim is to publish papers of direct relevance to consulting, client and contracting engineers, as well as those engaged in management, planning and applied research.

It focuses on the salt-water environment in the context of safe and sustainable engineering, looking at all the issues.

Areas covered include social and economic aspects in relation to fixed and moving port and harbour developments, estuarine and coastal protection, habitat creation and maintenance, seabed pipelines and tunnels, oil, gas and mineral extraction facilities, and alternative energy production systems.



#### **RECENT PAPERS INCLUDE**

- Large-scale experiments on wave downfall pressures
- н. Rehabilitation of a sea wall in Mandal, Norway
- Modelling circulation and vertical mixing in estuaries
- Wave overtopping at vertical and steep seawalls
- 100 Maritime London
- 100 Solitary wave transformation, breaking and run-up at a beach
- 10 Analysis of flows and water levels near tidal flap gate
- Application of simulation modelling to harbour operations
- Wave run-up on rubble breakwaters: spectral effects
- The marine energy resource, constraints and opportunities

Special Issue 2007: Humber Estuary

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### Municipal Engineer





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www.municipalengineer.com ISSN 0965-0903



#### DESCRIPTION

**Municipal Engineer** is the only journal which examines new approaches to municipal engineering worldwide. It is aimed at practitioners working in the public sector or supplying services to the public sector.

It focuses on the interface and relationship between the provider and the community as recipients of services, acknowledging the role of politicians in the decision-making process.

Each issue focuses on one dedicated topic—maintaining the context of social, cultural and environmental issues—addressing key issues such as procurement, management and finance.





CHAIRMAN AND HONORARY EDITOR

John Nicholson WSP

**PUBLICATION DETAILS** 

ISSN 0965-0903 (Print) ISSN 1751-7699 (Online)

Frequency quarterly

Six Month FREE Trial

Regular Subscription Price \$265 (Print and Online, including 5 years' back issues online)

**RECENT PAPERS INCLUDE** 

- Experimental research on waterjet street surface cleaning
- A GIS-based infrastructure management system for municipalities
- Effective flood alleviation design and construction
- Managing a city's transportation network – a case study
- Measuring the value of design
- Cost forecast model for sewer infrastructure
- Safety culture in the construction industry
- Sickness in government science: case, cause and cure
- Stone paving for heavier traffic loads
- Delivering well-maintained highways

#### **Special Issue March 2007:** Partnerships

**Special Issue June 2007:** A child in the city

**Special Issue Sept 2007:** Major sporting events





## Structures and Buildings

#### CHAIRMAN AND HONORARY EDITOR

Prof. lan May Heriot-Watt University

PUBLICATION DETAILS

ISSN 0965-0911 (Print) ISSN 1751-7702 (Online)

Frequency bi-monthly Six Month FREE Trial Regular Subscription Price \$683 (Print and Online, including 5 years' back issues online)

PRINT	ONLIN

#### DESCRIPTION

**Structures and Buildings** covers a wide range of topics focusing on civil engineering structures and buildings; these include design, strength, durability and the behaviour of structural components and systems, as well as discussion on monitoring and evaluation services, cladding and refurbishment.

It features papers on the design and construction of civil engineering structures, and on the applied research associated with such activities. These include design aspects such as the strength and durability of steel and concrete structural components, and the behaviour of building and bridge components and systems.

Specific areas covered include all aspects relating to structures and buildings such as energy conservation, and people movement within and around buildings.





#### RECENT PAPERS INCLUDE

- Crowd circulation and stadium design: low flow-rate systems
- Simplified dynamic inelastic analysis of tall buildings
- Vibration serviceability for pedestrian bridges
- Deficiencies of the normal moment yield criterion for reinforced concrete slabs
- Strengthening cast-iron using fibre reinforced polymer composites
- Shear and normal interaction stresses via strain-moment plots
- Theoretical treatment of crowdstructure interaction dynamics
- Improving flexural ductility of highstrength concrete beams
- New algorithm for fixed-angle softened-truss model
- Crowd-induced rhythmic loading

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### Transport

#### CHAIRMAN AND HONORARY EDITOR

Martin Roach Metronet Rail BCV Ltd

#### PUBLICATION DETAILS

ISSN 0965-092X (Print) ISSN 1751-7710 (Online)

Frequency quarterly

Six Month FREE Trial

Regular Subscription Price **\$324** (Print and Online, including 5 years' back issues online)



PRINT ONLINE

#### DESCRIPTION

#### **RECENT PAPERS INCLUDE**

- Prioritising railway projects for investment
- Road user charging trends in Asia
- The Madrid–Seville line experience
- Railway risks, safety values and safety costs
- The safe management of civil airfield pavements
- Safety and cost-effectiveness of clear zones in Iran
- Behaviour of coated low-quality aggregates in road pavements
- Pavement moduli variation under heavy aircraft trafficking
- Predicting long-term soaked CBR of gypsiferous subgrade soils
- I. K. Brunel: Engineer of the Great Western Railway

*Transport* is essential reading for those needing information on civil engineering developments across all areas of transport. It covers all aspects of planning, design, construction, maintenance and project management for the movement of goods and people.

Specific topics covered include: transport planning and policy, construction of infrastructure projects, traffic management, the maintenance and performance of transport systems, airports and highway pavement maintenance and performance, road, rail and bridge management, traffic management technology, applied research, and the economic and environmental aspects of urban and inter-urban transportation systems.







### Waste and Resource Management

#### CHAIRMAN AND HONORARY EDITOR

Prof. William Powrie University of Southampton

#### PUBLICATION DETAILS

ISSN 1747-6526 (Print) ISSN 1747-6534 (Online)

#### Frequency quarterly Six Month FREE Trial

Regular Subscription Price \$420

(Print and Online, including 5 years' back issues online as they become available)



#### DESCRIPTION

Launched in 2006, Waste and Resource Management publishes high-quality original research and practice papers from all parts of the world on all construction and civil engineering aspects of managing, minimising, reusing and processing waste materials.

It covers the procurement, planning, construction, operation and logistics of wastemanagement facilities-including recycling and reprocessing activities-as well as associated legislation and standards. The journal also focuses on strategies for reducing construction waste, including better design, improved recovery and reuse, and more efficient management of resources.





#### **RECENT PAPERS INCLUDE**

- Transport impacts of household waste recycling centres
- Using china clay waste in sprayed concrete
- Use of recycled aggregates for cementitious backfill
- Architect and contractor attitudes to waste minimisation
- Use of waste tyre bales to construct a flood embankment
- Development of the Waste Procurement Toolkit
- Using recycled construction waste as aggregates for paving blocks
- 11 Improving the operation of private finance initiatives in the waste management sector
- 10. Waste and resource management: challenges through to 2010

Special Issue 2007: **DEFRA** new technologies demonstrator programme

Special Issue 2007: Resource efficiency in construction

### Water Management



CHAIRMAN AND HONORARY EDITOR

Dr Emma Harris Hvder Consulting Ltd

PUBLICATION DETAILS

ISSN 1741-7589 (Print) ISSN 1751-7729 (Online)

Frequency quarterly

Six Month FREE Trial

Regular Subscription Price \$343

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ONLINE

#### **RECENT PAPERS INCLUDE**

- Pehur high-level canal, North-West Frontier Province, Pakistan
- Real-time hydro-power forecasting on the Victoria Nile
- Conveyance estimation for channels with emergent vegetation
- Three-dimensional computation of sediment transport at water intakes
- Reducing uncertainty in the hydraulic analysis of canals
- Prediction of pollutant movement in a regulated large river
- Electronic verification of flowmeters in the water industry
- Local scour due to free overfall jet
- Rainwater potential for domestic water supply in Grenada
- Bridging Zambia's water service gap: NGO community partnerships

**Special Issue 2007:** Hydroinformatics

#### DESCRIPTION

Water Management covers all aspects of water and wastewater treatment, water supply, river, wetland and catchment management, inland waterways and urban regeneration.

It publishes papers aimed at professionals (including consultants, contractors, managers and planners) and applied researchers.

Coverage includes the traditional areas of applied fluid mechanics and water (including supply, treatment and sewerage) and river engineering; together with the increasingly important fields of wetland and catchment management, groundwater and contaminated land, waterfront development and urban regeneration.

The scope also covers hydroinformatics tools, risk and uncertainty methods, as well as environmental, social and economic issues relating to sustainable development.







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### Advances in Cement Research

#### CHAIRMAN AND HONORARY EDITOR

**Prof. Fred Glasser** University of Aberdeen

#### PUBLICATION DETAILS

ISSN 0951-7197 (Print) ISSN 1751-7605 (Online)

Frequency **quarterly**Six Month Online FREE Trial

Regular Subscription Price **\$445** (Print and Online, including 5 years' back issues online)

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#### DESCRIPTION

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**Advances in Cement Research** covers the latest developments in cement sciences and technology. Cement manufacture is a cutting-edge issue, and this journal highlights the scientific ideas and innovations within the industry.

It is a global journal with a scope encompassing cement manufacture and materials, properties and durability of cementitious materials and systems, hydration, interaction of cement with other materials, analysis and testing, special cements and applications.



#### **RECENT PAPERS INCLUDE**

- Citric acid as a set retarder for calcium aluminate phosphate cements
- Lithium, potassium and sodium additions to cement pastes
- 29Si MAS-NMR study of hydrated cement paste and mortar with varying content of fly ash
- Effect of additives on the properties of α-hemihydrate
- Comparative studies of three methods for activating rejected fly ash
- Porosity of superplasticised cement paste containing limestone filler
- Hydration of alkali-activated slag: comparison with ordinary Portland cement
- Effect of sulphate contamination on chloride-binding capacity of plain and blended cements
- Hydration behaviour of sulphateactivated slag cements
- Early hydration of ordinary Portland cement with an alkaline shotcrete accelerator

### Géotechnique Géotechnique





THE INSTITUTION OF CIVIL ENGINEERS

ISSN 0016-8505

CHAIRMAN AND HONORARY EDITOR

Prof. John Atkinson City University

#### **PUBLICATION DETAILS**

ISSN 0016-8505 (Print) ISSN 1751-7656 (Online)

#### Frequency 10 issues

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#### DESCRIPTION

Established for almost 60 years, *Géotechnique* is arguably the world's leading journal on geotechnics publishing the cream of the international community's output on all aspects of geotechnical engineering.

It provides access to rigorously refereed, current, innovative and authoritative research and practical papers, across the fields of soil and rock mechanics, engineering geology and environmental geotechnics.





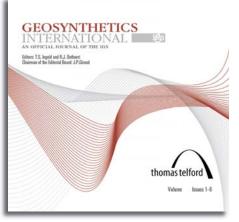
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- A field permeability measurement technique using a conventional self boring pressuremeter
- The mechanics of an Italian silt: an example of 'transitional' behaviour
- On the kinematics of 2D tunnel collapse in undrained clay
- Mechanics of tunnelling machine screw conveyors: model tests
- A comparison of field and laboratory tests of caisson foundations in sand and clay
- Analysis of a rapid load test on an instrumented bored pile in clay
- Discrete element modelling of ballast abrasion
- The Holl halfspace: use with caution
- Determination of critical slip surface in slope analysis

Special Issues Feb and Mar 2007: Symposium in print Stiff sedimentary clays: Genesis and engineering behavio

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### Geosynthetics International

#### An official Journal of the International Geosynthetics Society

#### CHAIRMAN OF THE EDITORIAL BOARD

Dr J.-P. Giroud JP GIROUD Inc., USA

PUBLICATION DETAILS

ISSN 1072-6349 (CD-Rom)

ISSN 1751-7613 (Online)

Frequency bi-monthly online only Six Month FREE Trial

#### Ordinary Subscription Price \$880

(Published online only with 5 years back issues available)

#### CDROM ONLINE

#### DESCRIPTION

**Geosynthetics International**—an official journal of the International Geosynthetics Society (IGS)—publishes the best information on current geosynthetics technology in research, design innovation, new materials and construction practice. The journal is published online, with an annual CD update containing all papers from that volume.

It covers all topics relevant to geosynthetic materials (including natural fibre products) such as research, behaviour, performance analysis, testing, design, construction methods, case histories and field experience.





#### **RECENT PAPERS INCLUDE**

- Effects of wastewater filtration on geotextile permeability
- Remediation of municipal wastewater sludge by electrokinetic geobox
- Mechanism of post-peak strength reduction for textured geomembrane-nonwoven geotextile interfaces
- Evaluating the strength and deformation characteristics of a soil bag pile from full-scale laboratory tests
- Resilient modulus and plastic deformation of soil confined in a geocell
- Weathering properties of geotextiles in ocean environments
- Performance of geotextile silt fences in large flume tests
- Finite element study on direct shear tests for multi-layered geosynthetic liners
- Seismic stability of reinforced-soil wall by pseudo-dynamic method
- Laboratory simulation of installation damage of a geogrid

### Ground Improvement



ISSN 1365-781X (Print) ISSN 1751-7621 (Online)

#### **RECENT PAPERS INCLUDE**

- Seismic behaviour of micropile systems
- Experimental evaluations of stabilisation methods for sulphaterich expansive soils
- Improving the performance of circular foundations using structural skirts
- Microstructure of cement-treated Singapore marine clay
- Three soil improvement methods and their applications to road construction
- Dynamic consolidation of a saturated plastic clayey fill
- Jet grouting with the superjet-midi method
- Consolidation stress effects on the strength of stabilised Swedish soils
- Lime treatment to control alkali induced heave in soils
- Stabilisation of expansive clay bed . using calcium chloride solution

#### **Special Issues** Jan and Oct 2007:

Selected papers from the Sixth Conference on Ground Improvement Techniques

#### DESCRIPTION

Ground Improvement provides a fast-track vehicle for the dissemination of news in technological developments, feasibility studies and innovative engineering applications for all aspects of ground improvement, ground reinforcement and grouting.

It publishes high quality, practical papers relevant to engineers, specialist contractors and academics involved in the development, design, construction, monitoring and quality control aspects of ground improvement.

It covers a wide range of civil and environmental engineering applications, including analytical advances, performance evaluations, pilot and model studies, instrumented case-histories and innovative applications of existing technology.







MAGAZINE
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### Magazine of Concrete Research

#### CHAIRMAN AND HONORARY EDITOR

**Prof. Peter Hewlett** British Board of Agrément

#### PUBLICATION DETAILS

ISSN 0024-9831 (Print) ISSN 1751-763X (Online)

Six Month Online FREE Trial Regular Subscription Price **\$989** 

(Print and Online, including 5 years' back

Frequency 10 issues

issues online)

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#### DESCRIPTION

INE

*Magazine of Concrete Research* is recognised as one of the top concrete technology journals in the world.

Papers cover every aspect of concrete manufacture and behaviour from performance and evaluation of constituent materials to mix design, testing, durability, structural analysis and composite construction.

It is a global journal, which provides the best international papers on the make-up, structure and performance of concrete.





#### **RECENT PAPERS INCLUDE**

- Mechanical properties of concrete containing recycled asphalt pavements
- Transient thermal creep of concrete in accidental conditions at temperatures up to 400°C
- Shear deformation in reinforced concrete beams with thin web
- Engineering the chemistry at the steel-concrete interface to enhance concrete durability
- Constitutive behaviour of highperformance ferrocement under axial compression
- Volume changes of very-highperformance cement-based composites
- An analytical method for prediction of the elastic modulus of concrete
- Recycled concrete exposed to high temperatures
- Microstructure analysis of hardened recycled aggregate concrete
- Shear design of prestressed and reinforced concrete beams

**Special Issue 2007:** Multi-axial behaviour

### Structural Concrete

Official journal of the fib—International Federation for Structural Concrete

CHAIRMAN AND HONORARY EDITOR

Prof. Luc Taerwe Ghent University

PUBLICATION DETAILS

ISSN 1464-4177 (Print) ISSN 1751-7648 (Online)

Frequency **quarterly Six Month Online FREE Trial** Regular Subscription Price **\$529** (Print and Online, including 5 years' back issues online)

### Structural Concrete



PRINT ONLINE

#### **RECENT PAPERS INCLUDE**

- Load-deflection performance of partially prestressed concrete Tbeams with steel fibres in partial and full depth
- Failure analysis of a thin-webbed girder of post-tensioned concrete
- Serviceability influences on moment redistribution in beams
- Crack opening near reinforcement bars in concrete structures
- Nozomi Bridge—a hybrid structure of stress-ribbon deck and truss
- Extradosed bridges in Japan
- Cracking analysis of reinforced concrete tensioned members
- Failure analysis of a thin-webbed girder of post-tensioned concrete
- Load-deflection behaviour of restrained reinforced concrete slab strips
- Strength efficiency of metakaolin in concrete

#### DESCRIPTION

**Structural Concrete** publishes leading research with practical applications. Refereed papers feature the design, construction and performance of concrete structures, including the behaviour of structures and the development of design methods.

Wider issues, such as the assessment of the environmental and economic impact of structures in service and demolition are also highlighted.

Papers cover all aspects of the design, construction, performance in service, strengthening and demolition of concrete structures. The journal has a dual focus: half the published papers deal with practical issues such as construction methods or case studies of particular projects while the other half concentrate on research and development.







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