

THE STRUCTURAL ENGINEER

INDEX OF AUTHORS AND SUBJECT

VOLUME 81 – 2003



INDEX – VOLUME 81, 2003

AUTHOR INDEX

Issue Page

A				D			
Al-Rawe, A.	Everything you wanted to know about FE but were afraid to ask [IT update]	13	16	Darby, A. P.	A new method for measuring the dynamic response of cable net structures [Technical note]	12	19
Al-Yousif, A. T.	Punching resistances of rc slabs supported by large and/or elongated columns	5	30	Davies, A.	Engineering research through EPSRC: how practitioners can get involved [Research update]	19	14,16
B				Davies, G.	Design of RHS for torsion using simplified thick wall theory	11	31
Bainbridge, R.	Supporting timber design through electronic toolboxes [Technical note]	3	18	Davies, G.	Can precast concrete structures be designed as semi-rigid frames? Part 1 – The experimental evidence	16	14
Ballinger, G.	The Falkirk Wheel – from concept to reality. A British Waterways led Millennium Project to regenerate Scotland's Lowland Canals	4	24	Davies, G.	Can precast concrete structures be designed as semi-rigid frames? Part 2 – Analytical equations and column effective length factors	16	28
Barritt, J.	Greening your procurement strategies [Technical note]	20	16	Dekker, N. W.	Moretele pedestrian bridge, Hammanskral, South Africa	21	17,21
Barron, M.	The Magna project	17	31	Desai, S.	Load tests on flitch beams: lessons from history	4	20
Beal, A.	CDM and site safety - is it a fair ACOP?	2	12	Dillon, P. J.	Road vehicle impacts on buildings in the UK – regulation and risk	3	36
Beer, G.	The future of structural analysis teaching	7	33	Dobson, R.	Is your design office ready for new IT challenges? [Technical note]	7	17
Bennett, D.	Gainsborough Studios, London	12	12	Dodds, N.	Strengthening a bridge using carbon fibre reinforced plates	5	17
Bingel, P. R.	Off-the-frame brickwork: analysis of the data from Winterton House, London	9	27	Donovan, M.	The connection conundrum [Technical note]	8	22
Bond, I.	Making software work for you [IT update]	13	20	Downs, C.	Managing technical software for profit [Viewpoint]	3	16
Bown, A.	Off-the-frame brickwork: analysis of the data from Winterton House, London	9	27	E			
Brendel, I.	New types of composite beams [Technical update]	20	20	Eatherley, M.	Beaufort Court: new steel homes in London	22	13
Brettle, M.	Calibration of Eurocode1 Part 1-3: snow loads [Technical note]	22	10	Elegba, T.	Acquiring design skills through technological collaboration	17	10
Brooks, J. J.	Off-the-frame brickwork: analysis of the data from Winterton House, London	9	27	Elliott, K. S.	Can precast concrete structures be designed as semi-rigid frames? Part 1 – The experimental evidence	16	14
Brooks, R.	Volume solids in intumescent fire-rated coatings [Technical note]	19	23	Elliott, K. S.	Can precast concrete structures be designed as semi-rigid frames? Part 2 – Analytical equations and column effective length factors	16	28
Brown, R.	Be prepared for employment law changes. [Legal column]	2	11	Ellis, B. R.	Road vehicle impacts on buildings in the UK – regulation and risk	3	36
Brownrigg, T.	The restoration of the Anderton Boat Lift	20	29	Ellis, B. R.	The influence of crowd size on floor vibrations induced by walking	6	20
Buckland, P. G.	Lions' Gate: contributions to suspension bridge engineering	10	26	Evans, S.	Giving new life to historic buildings	11	23
Burgan, B.	Technology transfer from offshore to onshore structures	6	15	F			
Burr, A. C.	Concrete canoes: the start of things to come [Technical note]	23/24	28	Ferreira, M.	Can precast concrete structures be designed as semi-rigid frames? Part 1 – The experimental evidence	16	14
C				Ferreira, M.	Can precast concrete structures be designed as semi-rigid frames? Part 2 - Analytical equations and column effective length factors	16	28
Cairns, J.	Developing architectural awareness in structural engineers	7	27	Fisher, M.	A school for the future	20	18
Camilleri, D.	An overview of the structural Eurocodes in the construction industry [Technical note]	14	14	Follett, P.	Building with sustainable forest products	1	14
Carpenter, J.	Practical application of risk management [preview of 14th biennial SCOSS report]	14	19	Forde, M. C.	AE monitoring of concrete bridge beams in situ	23/24	41
Chrisp, T. M.	Developing architectural awareness in structural engineers	7	27	Frear, N.	A new method for measuring the dynamic response of cable net structures [Technical note]	12	19
Claxton, S.	Untangling the web	3	26				
Cole, M.	BRE to showcase off-site construction	8	13				
Colombo, S.	AE monitoring of concrete bridge beams in situ	23/24	41				
Cook, N.	Extreme wind speeds in the UK	8	18				
Couchman, G.	Part E (acoustics) demands a re-think of all materials [Technical note]	21	25				
Croll, J.	James Clark Maxwell and the Pertinacity Theorem [Technical note]	12	15				
Cunliffe, N.	Optimisation of tapered stress joints for offshore catenary risers	20	35				

G							
Gorgun, H.	Can precast concrete structures be designed as semi-rigid frames? Part 1 – The experimental evidence	16	14	Lok, T. S. Luke, S. J.	loading from jumping and stamping Explosion tests on blast doors Maintenance hangars for the next generation of larger aircraft	15	30 1 29
Gorgun, H.	Can precast concrete structures be designed as semi-rigid frames? Part 2 – Analytical equations and column effective length factors	16	28				
Graham, J.	An elastic-plastic (second order) plane frame analysis method for design engineers	10	31	M MacKenzie, D. Mahdi, A. A.	Research and the practising engineer Can precast concrete structures be designed as semi-rigid frames? Part 1 – The experimental evidence	3 16	13 14
Gray, J.	The restoration of the Anderton Boat Lift	20	29	Mahdi, A. A.	Can precast concrete structures be designed as semi-rigid frames? Part 2 – Analytical equations and column effective length factors	16	28
Green, M.	Fire safety engineering of structures: IStructE guidance [Technical update]	19	20				
Grobler, K.	Quality and structural failure: causes and solutions in South Africa [Technical note]	10	20	Main, I. G.	AE monitoring of concrete bridge beams in situ	23/24	41
H				Mann, A.	Eurocode 3 – the challenge for structural engineers [Viewpoint]	21	22
Hale, M.	Fees and the future [Viewpoint]	11	15	Mann, A.	Risk in structural engineering [Viewpoint]	10	12,15
Halliday, J.	AE monitoring of concrete bridge beams in situ	23/24	41	Mann, D. C.	Who designs your ground conditions? [Viewpoint]	8	20
Hamdan, F.	Technology transfer from offshore to onshore structures	6	15	Martin, D. M.	Behaviour of a multi-storey composite steel framed building in fire	2	27
Hodsdon, T.	The feasibility of roundpole timber and lime concrete composite flooring	4	15	Mason, R.	The Magna project	17	31
Howson, W. P.	Maintenance hangars for the next generation of larger aircraft	1	29	May, I. M.	The future of structural analysis teaching	7	33
Hulme, I.	Conservation accreditation for engineers [Technical update]	18	10	McCarthy, T. J.	Optimisation of tapered stress joints for offshore catenary risers	20	35
I				McDonald, A.	Saving energy with timber frame construction	1	18
Imhof, D.	Fatigue strength enhancement of steel girders by post-weld treatment [Technical note]	12	17	McKittrick, B. McRea, A.	The last few miles...[President's Year] Knowledge management in construction [Technical note]	18 13	13 14
Inoue, A.	Taipei International Financial Center, Taiwan	8	15	Mettem, C.	Breakthroughs in timber engineering [Technical update]	17	24
J				Mettem, C.	Great expectations: timber repair and conservation [Technical note]	11	26
Jackman, L. A.	An examination of fire spread in multi-storey buildings via glazed curtain wall façades	9	22	Mettem, C.	Structural timber-concrete composites: advantages of a little known innovation	4	17
Jayanetti, L.	Building with sustainable forest products	1	14	Mettem, C.	Timber design knowledge for professionals of the future [Technical note]	7	22
Jenkins, B.	A half century of computers in structural engineering	3	28	Morris, B.	An examination of fire spread in multi-storey buildings via glazed curtain wall façades	9	22
Ji, T.	Concepts for designing stiffer structures	21	36	Mullin, B.	Arching action in concrete slabs with novel reinforcement	2	15
Ji, T.	Understanding the interactions between people and structures [Research update]	14	12	Murthy, A.	Extending upwards the Amara Hotel and shopping centre, Singapore	15	15
Johnson, D.	The future of structural analysis teaching	7	33	Murthy, C. K.	Extending upwards the Amara Hotel and shopping centre, Singapore	15	15
Johnson, R. P.	Cracking in concrete flanges of composite T-beams – tests and Eurocode 4	4	29	Myers, K.	CDM and site safety: it is a fair ACOP [Correspondence]	5	22
Jordanus, J.	Keppel Harbour re-development – vertical seawall system	15	25	N			
K				Nakamura, S,	Field measurements of lateral vibration on a pedestrian suspension bridge	22	22
Kelly, P.	Using precast concrete in stadiums [Technical note]	23/24	26	Nam, J. T. C.	Caisson fabrication and launching	15	19
Kemp, A. R.	Designing for ductility	6	13	Neale, B. S.	Risk and reliability: an opportunity for discussion [IStructE Risk and Reliability Study Group]	14	18
Kiat-Chuan, S.	Caisson fabrication and launching	15	19				
Kirby, B. R.	Behaviour of a multi-storey composite steel framed building in fire	2	27	Nethercot, D. A.	Climate change: the structural engineers' response	1	24
L				Nethercot, D. A.	IStructE: I'm a structural engineer [Presidential Address]	19	35
Lawrence, A.	Timber: an undervalued material [Technical note]	17	14,16	Neville, A.	Should high-alumina cement be re-introduced into design codes?	23/24	35
Lennon, T.	Calibration of Eurocode 1-1-2: Actions on structures exposed to fire [Technical note]	19	22	Nicholson, R.	The owl and the pussycat: where are we going to? [Honorary Fellow's Address]	8	26
Lennon, T.	Precast concrete hollow core slabs in fire	8	30	O			
Lim, K. K.	Keppel Harbour re-development – vertical seawall system	15	5	O'Connor, M. A.	Behaviour of a multi-storey composite steel framed building in fire	2	27
Littler, J. D.	Frequencies of synchronised human	22	27				

Ong, P.	Modelling of seabed interaction in frequency domain analysis of mooring cables [Technical note: young researcher]	20	13	Swailles, T.	19th Century 'fireproof' buildings, their strength and robustness	19	27
Owen, J. S.	Design of RHS for torsion using simplified thick wall theory	11	31	T			
Owens, G.	What is nCRISP and what does it mean for the future? [Research update]	22	19	Taylor, S.	Moving structures - jacked tunnels on the Central Artery, Boston, USA	18	28
P				Taylor, S.	Arching action in concrete slabs with novel reinforcement	2	15
Palmer, A.	Music centre roof takes shape	9	19	Taylor, T.	Document management can improve your business [IT update]	13	18
Paterson, J.	Using CAD imaging in training and development of engineers	3	23	Thorburn, S.	The world of foundation engineering [Gold Medal Address 2003]	12	27
Peacock, T.	The development of role-based training in a consultancy	7	20	Toms, P.	Construction without depleting the natural environment? [Correspondence]	1	33
Peng-Hong, L.	Caisson fabrication and launching	15	19	Trim, A.	Optimisation of tapered stress joints for offshore catenary risers	20	35
Perera, N.	Beaufort Court: new steel homes in London	22	13	W			
Plank, R.	Getting to grips with sustainable development	1	13	Wang, Y. C.	Performance of GRP composite structures at ambient and elevated temperatures [Technical note]	15	10,12
Porter, A.	The effect of surface profile on flexural strengthening of rc sections with frp[Model analysis award]	6	17	Ward, G. F. S.	Renovation of a 17th century French farmhouse	3	41
Powderham, A.	Moving structures - jacked tunnels on the Central Artery, Boston, USA	18	28	Wilson, B.	Do's and don'ts of the Part 3 examination [Viewpoint]	23/24	16
R				Wilson, L.	Developing architectural awareness in structural engineers	7	27
Rackham, J.	Part E (acoustics) demands a re-think of all materials [Technical note]	21	25	Winsor, D.	Moving structures - jacked tunnels on the Central Artery, Boston, USA	18	28
Rankin, B.	Arching action in concrete slabs with novel reinforcement	2	15	Wong, P.	Performance of GRP composite structures at ambient and elevated temperatures [Technical note]	15	10,12
Regan, P. E.	Punching resistances of rc slabs supported by large and/or elongated columns	5	30	Wood, R. D.	The future of structural analysis teaching	7	33
Reid, B.	Sam Thorburn: the foundations of Success [Profile]	9	14	Wright, I.	Risk and liability for the structural engineer: a legal perspective	14	23
Richards, M.	How to pass the Part 3 exam... [Young Members' Newsletter, Centre pages]	12	2	Y			
Ridley-Ellis, D. J.	Design of RHS for torsion using simplified thick wall theory	11	31	Yap, S. M. C.	Keppel Harbour re-development - vertical seawall system	15	25
Ruddock, T.	Some iron suspension bridges in Scotland 1816-1834 and their origins	5	23	Yong, P. P.	Caisson fabrication and launching	15	19
S				INDEX - VOLUME 81, 2003			
Salo, A.	A new method for measuring the dynamic response of cable net structures [Technical note]	12	19	SUBJECT INDEX			
Secrett, C.	Campaign to promote timber gains momentum	17	19	Issue Page			
Shanmuganathan, S.	Fibre reinforced polymer composite materials for civil and building structures review of the state-of-the-art	13	26	A			
Slade, R. E.	INTEGER Hong Kong pavilion	18	34	Accreditation			
Smith, S. E.	Buckling of cylinders under non-uniform internal pressure	10	18	Conservation accreditation for engineers[Technical update]	18	10	
Soane, A.	Revitalising health and safety: debating the issues	4	13	Acoustics			
Stansfield, K.	Cladding: challenges facing the industry	9	17	AE monitoring of concrete bridge beams in situ	23/24	41	
Stansfield, K.	Educational values underlie new President's approach [Interview with David Nethercot]	18	16	Part E (acoustics) demands a re-think of all materials [Technical note]	21	5	
Stansfield, K.	Engineers and architects: vision of a better future [Round table]	7	13	Acts of Parliament			
Stansfield, K.	Making IT in construction pay	13	13	Be prepared for employment law changes [Legal column]	2	11	
Stansfield, K.	Sheffield Winter Garden: a green space in the city	2	18	Adelaide Bridge, Royal Leamington Spa, Marks			
Stephens, R.	INTEGER Hong Kong pavilion	18	34	Bridge design: meeting the challenge	5	14	
Stribling, D.	Building simulation: design tool or gimmick?	3	20	Ah Kai Sha Bridge, Guandong, China			
Strickland, P.	Federation Square, Melbourne: decking over the railway	18	19	Using CAD imaging in training and development of engineers	3	23	
Subedi, N. K.	Double skin steel/concrete composite beam elements: experimental testing	21	30	Aircraft			
Sung-Pil, C.	Caisson fabrication and launching	15	19	Maintenance hangars for the next generation of larger aircraft	1	29	
				Amara Hotel, Singapore			
				Extending upwards the Amara Hotel and shopping centre, Singapore	15	15	
				Anderton Boat Lift, Cheshire			
				The restoration of the Anderton Boat Lift	20	29	
				Arch Bridges			

Bridge design: meeting the challenge	5	14	Punching resistances of rc slabs...[Correspondence]	12	38
Arches			Buckling		
Sheffield Winter Garden: a green space in the city	2	18	Buckling of cylinders under non-uniform internal pressure	10	18
Architecture			Budenberg Residential Development, Altrincham, Cheshire		
Developing architectural awareness in structural engineers	7	27	Building homes for the future on a brownfield site	19	17
Engineers and architects: vision of a better future [Round table]	7	13	Building Regulations		
The owl and the pussycat: where are we going to? [Honorary Fellow's Address]	8	26	Part E (acoustics) demands a re-think of all materials [Technical note]	21	25
Bamboo			Precast concrete hollow core slabs in fire	8	30
Building with sustainable forest products	1	14	Saving energy with timber frame construction	1	18
Basements			Buildings		
Building homes for the future on a brownfield site	19	17	19th Century 'fireproof' buildings, their strength and robustness	19	27
Beams			Building simulation: design tool or gimmick?	3	20
Can precast concrete structures be designed as semi-rigid frames? Part 1 The experimental evidence	16	14	Road vehicle impacts on buildings in the UK – regulation and risk	3	36
Can precast concrete structures be designed as semi-rigid frames? Part 2 Analytical equations and column effective length factors	16	28	C		
Cracking in concrete flanges of composite T-beams - tests and Eurocode 4	4	29	Cable Structures		
Double skin steel/concrete composite beam elements: experimental testing	21	30	A new method for measuring the dynamic response of cable net structures [Technical note]	12	19
Federation Square, Melbourne: decking over the railway	18	19	Cables		
Load tests on flitch beams: lessons from history	4	20	Lions' Gate: contributions to suspension bridge engineering	10	26
New types of composite beams [Technical update]	20	20	Modelling of seabed interaction in frequency domain analysis of mooring cables [Technical note: Young researcher]	20	13
Beaufort Court, Fulham, London			CAD		
Beaufort Court: new steel homes in London	22	13	Everything you wanted to know about FE but were afraid to ask [IT update]	13	16
Biographies			Using CAD imaging in training and development of engineers	3	23
Educational values underlie new President's approach [Interview with David Nethercot]	18	16	Caissons		
Sam Thorburn: the foundations of success [Profile]	9	14	Caisson fabrication and launching	15	19
Blast Doors			Canada Water, London		
Explosion tests on blast doors	15	30	Using CAD imaging in training and development of engineers	3	23
Boghall Bridge, Scotland			Canals		
AE monitoring of concrete bridge beams in situ	23/24	41	The Falkirk Wheel – from concept to reality. A British Waterways led Millennium Project to regenerate Scotland's Lowland Canals	4	24
Brickwork			Canoes		
Off-the-frame brickwork: analysis of the data from Winterton House, London	9	27	Concrete canoes: the start of things to come [Technical note]	23/24	28
Bridges			Cardington Large Building Testing Facility		
AE monitoring of concrete bridge beams in situ	23/24	41	Behaviour of a multi-storey composite steel framed building in fire	2	27
Bridge design: meeting the challenge	5	14	Precast concrete hollow core slabs in fire	8	30
Clifton Suspension Bridge gives up its secrets	11	16	Case Studies		
Field measurements of lateral vibration on a pedestrian suspension bridge	22	22	19th Century 'fireproof' buildings, their strength and robustness	19	27
Strengthening a bridge using carbon fibre reinforced plates	5	17	Bridge design: meeting the challenge	5	14
Lion's Gate: contributions to suspension bridge engineering	10	20	Giving new life to historic buildings	11	23
Some iron suspension bridges in Scotland 1816-1834 and their origins	5	23	Improving construction sites	21	13
Using CAD imaging in training and development of engineers	3	23	Older buildings: the benefits of experience	11	20
BS 5950			Online project collaboration	3	22
Cracking in concrete flanges of composite T-beams – tests and Eurocode 4	4	29	The connection conundrum [Technical note]	8	22
BS 6399			Using CAD imaging in training and development of engineers	3	23
Road vehicle impacts on buildings in the UK – regulation and risk	3	36	Catenary Risers		
BS 8110			Optimisation of tapered stress joints for offshore catenary risers	20	35
Punching resistances of rc slabs supported by large and/or elongated columns	5	30			

<u>Cavendish Bridge, Shardlow, Derbyshire</u>			Arching action in concrete slabs with novel reinforcement	2	15
Bridge design: meeting the challenge	5	14	Concrete canoes: the start of things to come [Technical note]	23/24	28
<u>CDM</u>			Cracking in concrete flanges of composite T-beams – tests and Eurocode 4	4	29
CDM and site safety: is it a fair ACOP?	2	12	Double skin steel/concrete composite beam elements: experimental testing	21	30
CDM and site safety: is it a fair ACOP[Correspondence]	5	22	New guidance and progress on thaumasite control.	9	15
Risk and liability for the structural engineer: a legal perspective	14	23	A summary of the findings of the Thaumasite Expert Group Report: 'Review of structural aspects after 3 years experience' [Technical update]		
<u>Central Artery Tunnel Project, Boston, USA</u>			Should high-alumina cement be re-introduced into design codes?	23/24	35
Moving structures - jacked tunnels on the Central Artery, Boston, USA	18	28	Structural timber-concrete composites: advantages of a little known innovation	4	17
<u>CFRP</u>			The feasibility of roundpole timber and lime concrete composite flooring	4	15
Strengthening a bridge using carbon fibre reinforced plates	5	17	The influence of crowd size on floor vibrations induced by walking	6	20
<u>Chandarana, B G</u>			<u>Connections</u>		
Movers and shapers of the profession	13	22	Can precast concrete structures be designed as semi-rigid frames? Part 1 – The experimental evidence	16	14
<u>Channel Tunnel Rail Link</u>			Can precast concrete structures be designed - as semi-rigid frames? Part 2 Analytical equations and column effective length factors	16	28
The connection conundrum [Technical note]	8	22	Timber: an undervalued material[Technical note]	17	14,16
<u>Cladding</u>			<u>Construction Industry</u>		
Cladding: challenges facing the industry	9	17	Construction without depleting the natural environment? [Correspondence]	1	33
<u>Clifton Suspension Bridge, Bristol</u>			Knowledge management in construction [Technical note]	13	14
Clifton Suspension Bridge gives up its secrets	11	16	Making IT in construction pay	13	3
<u>Climate</u>			What is nCRISP and what does it mean for the future? [Research update]	22	19
Climate change: the structural engineers' response	1	24	<u>Construction Sites</u>		
Climate change: the structural engineers' response [Discussion]	6	28	Improving construction sites	21	13
<u>Codes of Practice</u>			<u>Construction Work</u>		
Should high-alumina cement be re-introduced into design codes?	23/24	35	Building with sustainable forest products	1	14
<u>Collapse</u>			Moretele pedestrian bridge, Hammanskral, South Africa	21	17,21
19th Century 'fireproof' buildings, their strength and robustness	19	27	Moving structures - jacked tunnels on the Central Artery, Boston, USA	18	28
<u>Columns</u>			Taipei International Financial Center, Taiwan	8	15
Can precast concrete structures be designed as semi-rigid frames? Part 1 –The experimental evidence	16	14	The connection conundrum [Technical note]	8	22
Can precast concrete structures be designed as semi-rigid frames? Part 2 – Analytical equations and column effective length factors	16	28	<u>Contaminated Land</u>		
Extending upwards the Amara Hotel and shopping centre, Singapore	15	15	Building homes for the future on a brownfield site	19	17
Performance of GRP composite structures at ambient and elevated temperatures [Technical note]	15	10,12	<u>Contracts</u>		
Punching resistances of rc slabs supported by large and/or elongated columns	5	30	Risk and liability for the structural engineer: a legal perspective	14	23
<u>Composite Construction</u>			<u>Costs</u>		
Behaviour of a multi-storey composite steel framed building in fire	2	27	Fibre reinforced polymer composite materials for civil and building structures – review of the state-of-the-art	13	26
Breakthroughs in timber engineering[Technical update]	17	24	Who designs your ground conditions? [Viewpoint]	8	20
Cracking in concrete flanges of composite T-beams – tests and Eurocode 4	4	29	<u>Cracks</u>		
Double skin steel/concrete composite beam elements: experimental testing	21	30	Cracking in concrete flanges of composite T-beams – tests and Eurocode 4	4	29
New types of composite beams [Technical update]	20	20	<u>Crowds</u>		
Performance of GRP composite structures at ambient and elevated temperatures [Technical note]	15	10,12	The influence of crowd size on floor vibrations induced by walking	6	20
Structural timber-concrete composites: advantages of a little known innovation	4	17	<u>Cylinders</u>		
The feasibility of roundpole timber and lime concrete composite flooring	4	15	Buckling of cylinders under non-uniform internal pressure	10	18
<u>Computers</u>			<u>D</u>		
A half century of computers in structural engineering	3	28	<u>Dancing</u>		
The future of structural analysis teaching	7	33	Frequencies of synchronised humanloading from jumping and stamping	22	27
The future of structural analysis teaching [Discussion]	23/24	47	<u>Databases</u>		
<u>Concrete</u>					
AE monitoring of concrete bridge beams in situ	23/24	41			

Untangling the web	3	26		
Decks				
Federation Square, Melbourne: decking over the railway	18	19		
Deep Excavations				
Moving structures - jacked tunnels on the Central Artery, Boston, USA	18	28		
Delhi Street Bridge, Hull				
Bridge design: meeting the challenge	5	14		
Demountable Structures				
INTEGER Hong Kong pavilion	18	34		
Design				
Acquiring design skills through technological collaboration	17	10		
Can precast concrete structures be designed as semi-rigid frames? Part 1 – The experimental evidence	16	14		
Can precast concrete structures be designed as semi-rigid frames? Part 2 – Analytical equations and column effective length factors	16	28		
Concepts for designing stiffer structures	21	36		
Design of RHS for torsion using simplified thick wall theory	11	31		
Designing for ductility	6	13		
Developing architectural awareness in structural engineers	7	27		
Supporting timber design through electronic toolboxes[Technical note]	3	18		
Timber design knowledge for professionals of the future [Technical note]	7	22		
Ductility				
Designing for ductility	6	13		
Durability				
Should high-alumina cement be re-introduced into design codes?	23/24	35		
Timber: an undervalued material[Technical note]	17	14,16		
Dwellings				
Gainsborough Studios, London	12	12		
Improving the performance of traditional dwellings in South Africa	1	20		
Dynamic Loads				
A new method for measuring the dynamic response of cable net structures [Technical note]	12	19		
Frequencies of synchronised human loading from jumping and stamping	22	27		
The influence of crowd size on floor vibrations induced by walking	6	20		
E				
Earth Structures				
Improving the performance of traditional dwellings in South Africa	1	20		
Education				
Engineers and architects: vision of a better future [Round table]	7	13		
The owl and the pussycat: where are we going to? [Honorary Fellow's Address]	8	26		
Timber design knowledge for professionals of the future [Technical note]	7	22		
UK's first Centre for Timber Engineering gets into gear	17	13		
Elastic Plastic Methods				
An elastic-plastic (second order) plane frame analysis method for design engineers	10	31		
Electricity				
The connection conundrum [Technical note]	8	22		
Elliott, Peter				
Movers and shapers of the profession	13	22		
Employment				
Be prepared for employment law changes [Legal column]	2	11		
Energy Conservation				
Saving energy with timber frame construction	1	18		
Engineering				
The owl and the pussycat: where are we going to? [Honorary Fellow's Address]	8	26		
Engineering and Physical Sciences Research Council (EPSRC)				
Engineering research through EPSRC: how practitioners can get involved [Research update]	19	14,16		
Engineers				
Conservation accreditation for engineers [Technical update]	18	10		
Engineers and architects: vision of a better future [Round table]	7	13		
Research and the practising engineer	3	13		
Environment				
Construction without depleting the natural environment? [Correspondence]	1	33		
Environmental benefits of timber as a structural material [Technical note]	17	22		
Ethics				
IStructE: I'm a structural engineer [Presidential Address]	19	35		
Eurocodes				
An overview of the structural Eurocodes in the construction industry [Technical note]	14	4		
Calibration of Eurocode 1-1-2: Actions on structures exposed to fire [Technical note]	19	22		
Calibration of Eurocode 1 Part1-3: snow loads [Technical note]	22	10		
Cracking in concrete flanges of composite T-beams – tests and Eurocode 4	4	29		
Road vehicle impacts on buildings in the UK – regulation and risk	3	36		
Eurocode 3 – the challenge for structural engineers [Viewpoint]	21	22		
Exhibition Spaces				
The Magna project	17	31		
INTEGER Hong Kong pavilion	18	34		
Explosions				
Explosion tests on blast doors	15	30		
Technology transfer from offshore to onshore structures	6	15		
Extensions				
Extending upwards the Amara Hotel and shopping centre, Singapore	15	15		
Maintenance hangars for the next generation of larger aircraft	1	29		
F				
Façades				
An Examination of fire spread in multi-storey buildings via glazed curtain wall façades	9	22		
Cladding: challenges facing the industry	9	17		
Facade engineering [Discussion]	4	36		
Failures				
Double skin steel/concrete composite beam elements: experimental testing	21	30		
Quality and structural failure: causes and solutions in South Africa [Technical note]	10	20		
Risk in structural engineering [Viewpoint]	10	12,15		
Should high-alumina cement be re-introduced into design codes?	23/24	35		
Falkirk Wheel				
The Falkirk Wheel – from concept to reality. A British Waterways led Millennium Project to regenerate Scotland's Lowland Canals	4	24		
Falkirk Wheel [Discussion]	11	37		

Farm Buildings							
Renovation of a 17th century French farmhouse	3	41	The effect of surface profile on flexural strengthening of rc sections with frp [Model analysis award]	6	17		
Fatigue Strength							
Fatigue strength enhancement of steel girders by post-weld treatment [Technical note]	12	17	G				
Federation Square, Melbourne, Australia			Gainsborough Studios, London				
Federation Square, Melbourne: decking over the railway	18	19	Gainsborough Studios, London	12	12		
Fees			Glazing				
Fees and the future [Viewpoint]	11	15	An examination of fire spread in multi-storey buildings via glazed curtain wall facades	9	22		
IStructE: I'm a structural engineer [Presidential Address]	19	35	Sheffield Winter Garden: a green space in the city	2	18		
Finite Element Analysis			Global Warming				
Design of RHS for torsion using simplified thick wall theory	11	31	Climate change: the structural engineers' response	1	24		
Everything you wanted to know about FE but were afraid to ask [IT update]	13	16	Climate change: the structural engineers' response [Discussion]	6	28		
Fire Engineering			Glulam				
19th Century 'fireproof' buildings, their strength and robustness	19	27	Sheffield Winter Garden: a green space in the city	2	18		
An examination of fire spread in multi-storey buildings via glazed curtain wall facades	9	22	Gold Medal Address				
Behaviour of a multi-storey composite steel framed building in fire	2	27	The world of foundation engineering [Gold Medal Address 2003]	12	27		
Calibration of Eurocode 1-1-2: Actions on structures exposed to fire [Technical note]	19	22	Grand Palais de Paris, France				
Fire safety engineering of structures: IStructE] guidance [Technical update	19	20	Grand Palais de Paris: innovation in refurbishment techniques	11	18		
Precast concrete hollow core slabs in fire	8	30	Ground				
Volume solids in intumescent fire-rated coatings [Technical note]	19	23	Who designs your ground conditions? [Viewpoint]	8	20		
Flanges			GRP				
Cracking in concrete flanges of composite T-beams – tests and Eurocode 4	4	29	Performance of GRP composite structures at ambient and elevated temperatures [Technical note]	15	10,12		
Flats			H				
Building homes for the future on a brownfield site	19	17	HAC				
INTEGER Hong Kong pavilion	18	34	Should high-alumina cement be re-introduced into design codes?	23/24	35		
Floors			Hangars				
19th Century 'fireproof' buildings, their strength and robustness	19	27	Maintenance hangars for the next generation of larger aircraft	1	29		
Part E (acoustics) demands a re-think of all materials [Technical note]	21	25	Health and Safety				
Renovation of a 17th century French farmhouse	3	41	CDM and site safety – is it a fair ACOP?	2	12		
The feasibility of roundpole timber and lime concrete composite flooring	4	15	CDM and site safety: it is a fair ACOP [Correspondence]	5	22		
The influence of crowd size on floor vibrations induced by walking	6	20	Revitalising health and safety: debating the issues	4	13		
Foundations			High Strength Concrete				
Building homes for the future on a brownfield site	19	17	Taipei International Financial Center, Taiwan	8	15		
Extending upwards the Amara Hotel and shopping centre, Singapore	15	15	Historic Buildings				
Renovation of a 17th century French farmhouse	3	41	Older buildings: the benefits of experience	11	20		
The world of foundation engineering [Gold Medal Address 2003]	12	27	History				
Frames			A half century of computers in structural engineering	3	28		
An elastic-plastic (second order) plane frame analysis method for design engineers	10	31	Breakthroughs in timber engineering [Technical update]	17	24		
Can precast concrete structures be designed as semi-rigid frames? Part 1 – The experimental evidence	16	14	New types of composite beams [Technical update]	20	20		
Can precast concrete structures be designed as semi-rigid frames? Part 2 – Analytical equations and column effective length factors	16	28	The restoration of the Anderton Boat Lift	20	29		
Concepts for designing stiffer structures	21	36	Hollow Core Slabs				
FRP			Precast concrete hollow core slabs in fire	8	30		
Arching action in concrete slabs with novel reinforcement	2	15	House for an Art Lover, Glasgow				
Breakthroughs in timber engineering [Technical update]	17	24	House for an Art Lover [Discussion]	2	37		
Fibre reinforced polymer composite materials for civil and building structures – review of the state-of-the-art	13	26	Housing				
			Beaufort Court: new steel homes in London	22	13		
			Improving the performance of traditional dwellings in South Africa	1	20		
			Quality and structural failure: causes and solutions in South Africa [Technical note]	10	20		
			Hylton Bridge, Sunderland				
			Bridge design: meeting the challenge	5	14		

I

Ikon Gallery, Brindley Place, Birmingham

Giving new life to historic buildings 11 23

Impact Loads

Road vehicle impacts on buildings in the UK – regulation and risk 3 36

Information Technology

Document management can improve your business [IT update] 13 18

Everything you wanted to know about FE but were afraid to ask [IT update] 13 16

Is your design office ready for new IT] challenges? [Technical note] 7 17

Knowledge management in construction [Technical note] 13 14

Making IT in construction pay 13 13

Making software work for you [IT update] 13 20

Interaction

Modelling of seabed interaction in frequency domain analysis of mooring cables [Technical note:Young researcher] 20 13

Understanding the interactions between people and structures [Research update] 14 12

Internet

Untangling the web 3 26

Intumescent Coatings

Volume solids in intumescent fire-rated coatings [Technical note] 19 23

Iron

19th Century 'fireproof' buildings, their strength and robustness 19 27

Some iron suspension bridges in Scotland 1816-1834 and their origins 5 23

IStructE

Chartered Membership (Part 3) and new Associate-Member (A-M) Examinations, April 2003 [Examiners' reports] 23/24 19

Do's and don'ts of the Part 3 examination [Viewpoint] 23/24 16

Fees and the future [Viewpoint] 11 15

Fire safety engineering of structures: IStructE guidance [Technical update] 19 20

How to pass the Part 3 exam... [Young Members' Newsletter, centre pages] 12 2

Movers and shapers of the profession 13 22

The new Associate Member (A-M) and Chartered Member (CM) examinations 2 20

IStructE Presidents

Educational values underlie new President's approach [Interview with David Nethercot] 18 16

IStructE: I'm a structural engineer [Presidential Address] 19 35

The Last few miles...[President's Year] 18 13

J

Jacking

Moving structures - jacked tunnels on the Central Artery, Boston, USA 18 28

Joints

Optimisation of tapered stress joints for offshore catenary risers 20 35

Jumping

Frequencies of synchronised human loading from jumping and stamping 22 27

Jurong Island, Singapore

Caisson fabrication and launching 15 19

K

Keppel Harbour, Singapore

Keppel Harbour re-development – vertical seawall system 15 25

Knowledge Management

Knowledge management in construction [Technical note] 13 14

L

Land Reclamation

Keppel Harbour re-development – vertical seawall system 15 25

Lattice Bridges

Bridge design: meeting the challenge 5 14

Launching

Caisson fabrication and launching 15 19

Law

Be prepared for employment law changes [Legal column] 2 11

Risk and liability for the structural engineer: a legal perspective 14 23

Liability

Risk and liability for the structural engineer: a legal perspective 14 23

Libraries

Untangling the web 3 26

Lime

The feasibility of roundpole timber and lime concrete composite flooring 4 15

Renovation of a 17th century French farmhouse 3 41

Lions' Gate Bridge, Vancouver, Canada

Lions' Gate: contributions to suspension bridge engineering 10 26

The Lion's Gate Bridge [Discussion] 17 36

Listed Buildings

Giving new life to historic buildings 11 23

Loads

Load tests on flitch beams: lessons from history 4 20

Punching resistances of rc slabs supported by large a nd/or elongated columns 5 30

M

Magna Science Adventure Centre, Rotherham

The Magna project 17 31

Maple Valley Great Suspension Bridge (M-bridge) Nasu Shiobara, Japan

Field measurements of lateral vibration on a pedestrian suspension bridge 22 22

Maps

Extreme wind speeds in the UK 8 18

Maxwell's Theorem

James Clark Maxwell and the Pertinacity Theorem [Technical note] 12 15

McKittrick, Bob

The Last few miles...[President's Year] 18 13

Milngavie Bridge, Scotland

Bridge design: meeting the challenge 5 14

Modelling

Building simulation: design tool or gimmick? 3 20

Modelling of seabed interaction in frequency domain analysis of mooring cables [Technical note: Young researcher] 20 13

Monitoring

AE monitoring of concrete bridge beams in situ 23/24 41

Fibre reinforced polymer composite materials for civil and building structures – review of the state-of-the-art 13 26

Off-the-frame brickwork: analysis of the data from Winterton House, London 9 27

<u>Moorings</u>									
Modelling of seabed interaction in frequency domain analysis of mooring cables [Technical note: Young researcher]	20	13		Understanding the interactions between people and structures [Research update]	14	12			
<u>Moretele Pedestrian Bridge, Hammanskral, South Africa</u>				<u>Piling</u>					
Moretele pedestrian bridge, Hammanskral, South Africa	21	17,21		Gainsborough Studios, London	12	12			
<u>Morris, Kirsten</u>				<u>Plasters</u>					
Movers and shapers of the profession	13	22		Improving the performance of traditional dwellings in South Africa	1	20			
<u>Multistorey Buildings</u>				<u>Poles</u>					
An examination of fire spread in multi-storey buildings via glazed curtain wall façades	9	22		Building with sustainable forest products	1	14			
Behaviour of a multi-storey composite steel framed building in fire	2	27		<u>Pop Concerts</u>					
Extending upwards the Amara Hotel and shopping centre, Singapore	15	15		Frequencies of synchronised human loading from jumping and stamping	22	27			
Taipei International Financial Center, Taiwan	8	15		<u>Precast Concrete</u>					
<u>Music Centre, Gateshead</u>				Can precast concrete structures be designed as semi-rigid frames? Part 1 – The experimental evidence	16	14			
Music centre roof takes shape	9	19		Can precast concrete structures be designed as semi-rigid frames? Part 2 – Analytical equations and column effective length factors	16	28			
N				Precast concrete hollow core slabs in fire	8	30			
<u>Nam Cheong Station, Hong Kong</u>				Using precast concrete in stadiums [Technical note]	23/24	26			
Using CAD imaging in training and development of engineers	3	23		<u>Prefabricated Construction</u>					
<u>Napier University, Edinburgh</u>				BRE to showcase off-site construction	8	13			
UK's first Centre for Timber Engineering gets into gear	17	13		<u>Preserving</u>					
<u>Natural Frequencies</u>				19th Century 'fireproof' buildings, their strength and robustness	19	27			
Advisory note on calculation of natural frequencies of grandstand seating decks	22	20		Clifton Suspension Bridge gives up its secrets	11	16			
Lions' Gate: contributions to suspension bridge engineering	10	26		Conservation accreditation for engineers [Technical update]	18	10			
<u>nCRISP</u>				Great expectations: timber repair and conservation [Technical note]	11	26			
What is nCRISP and what does it mean for the future? [Research update]	22	19		<u>Procurement</u>					
<u>Nethercot, David</u>				Greening your procurement strategies[Technical note]	20	16			
Educational values underlie new President's approach [Interview with David Nethercot]	18	16		<u>Project Management</u>					
<u>Nigeria</u>				Online project collaboration	3	22			
Acquiring design skills through technological collaboration	17	10		<u>Publications</u>					
O				Untangling the web	3	26			
<u>Obituaries</u>				<u>Punching</u>					
Arup high flyer dies in tragic accident [Tony Fitzpatrick]	15	6		Punching resistance of rc slabs...[Correspondence]	12	38			
<u>Offshore Structures</u>				Punching resistances of rc slabs supported by large and/or elongated columns	5	30			
Modelling of seabed interaction in frequency domain analysis of mooring cables [Technical note: Young researcher]	20	13		Q					
Optimisation of tapered stress joints for offshore catenary risers	20	35		<u>Queen Elizabeth Hospital, Birmingham</u>					
<u>Oil Industry</u>				Giving new life to historic buildings	11	23			
Acquiring design skills through technological collaboration	17	10		R					
<u>Organisations</u>				<u>Railway Bridges</u>					
What is nCRISP and what does it mean for the future? [Research update]	22	19		Fatigue strength enhancement of steel girders by post-weld treatment [Technical note]	12	17			
P				<u>Railways</u>					
<u>Pavilions</u>				Federation Square, Melbourne: decking over the railway	18	19			
INTEGER Hong Kong pavilion	18	34		<u>Rain</u>					
<u>Pedestrians</u>				Climate change: the structural engineers' response	1	24			
Field measurements of lateral vibration on a pedestrian suspension bridge	22	22		<u>Rama IX Bridge, Bangkok, Thailand</u>					
<u>People</u>				Bridge design: meeting the challenge	5	14			
Frequencies of synchronised humanloading from jumping and stamping	22	27		<u>Rectangular Hollow Sections</u>					
The Influence of crowd size on floor vibrations induced by walking	6	20		Design of RHS for torsion using simplified thick wall theory	11	31			
				<u>Recycling</u>					
				Greening your procurement strategies [Technical note]	20	16			

<u>Red House Glass Cone, Wordsley, Stourbridge</u>					
Giving new life to historic buildings	11	23			
<u>Redeveloping</u>					
Building homes for the future on a brownfield site	19	17			
Gainsborough Studios, London	12	12			
Keppel Harbour re-development – vertical seawall system	15	25			
<u>Refurbishing</u>					
19th Century 'fireproof' buildings, their strength and robustness	19	27			
Giving new life to historic buildings	11	23			
Grand Palais de Paris: innovation in refurbishment techniques	11	18			
Older buildings: the benefits of experience	11	20			
Structural timber-concrete composites: advantages of a little known innovation	4	17			
The Magna project	17	31			
<u>Reinforced Concrete</u>					
Caisson fabrication and launching	15	19			
Extending upwards the Amara Hotel and shopping centre, Singapore	15	15			
New types of composite beams [Technical update]	20	20			
The effect of surface profile on flexural strengthening of rc sections with frp [Model analysis award]	6	17			
Punching resistances of rc slabs...[Correspondence]	12	38			
Punching resistances of rc slabs supported by large and/or elongated columns	5	30			
<u>Reinforcement</u>					
Breakthroughs in timber engineering [Technical update]	17	24			
<u>Renovation</u>					
Renovation of a 17th century French farmhouse	3	41			
<u>Repairing</u>					
Great expectations: timber repair and conservation [Technical note]	11	26			
<u>Research</u>					
Engineering research through EPSRC: how practitioners can get involved [Research update]	19	14,16			
Research and the practising engineer	3	13			
What is nCRISP and what does it mean for the future? [Research update]	22	19			
<u>Restoring</u>					
Bridge design: meeting the challenge	5	14			
The restoration of the Anderton Boat Lift	20	29			
<u>Risk</u>					
Practical application of risk management[preview of 14th biennial SCOSS report]	14	19			
Risk and liability for the structural engineer: a legal perspective	14	23			
Risk and reliability: an opportunity for discussion [IStructE Risk and Reliability Study Group]	14	18			
Risk in structural engineering [Viewpoint]	10	12,15			
Road vehicle impacts on buildings in the UK – regulation and risk	3	36			
Volume solids in intumescent fire-rated coatings [Technical note]	19	23			
<u>Road Bridges</u>					
New guidance and progress on thaumasite control. A summary of the findings of the Thaumasite Expert Group Report: 'Review of structural aspects after 3 years experience'[Technical update]	9	15			
<u>Roofs</u>					
Maintenance hangars for the next generation of larger aircraft	1	29			
Music centre roof takes shape	9	19			
Renovation of a 17th century French farmhouse	3	41			
<u>S</u>					
<u>Safety</u>					
19th Century 'fireproof' buildings, their strength and robustness	19	27			
Fire safety engineering of structures: IStructE guidance [Technical update]	19	20			
Improving construction sites	21	13			
<u>Sandwich Panels</u>					
Explosion tests on blast doors	15	30			
<u>School of Jewellery, Birmingham</u>					
Giving new life to historic buildings	11	23			
<u>Schools</u>					
A school for the future	20	18			
<u>Scotland</u>					
Some iron suspension bridges in Scotland 1816-1834 and their origins	5	23			
<u>Scour</u>					
Climate change: the structural engineers' response	1	24			
<u>Sea Bed</u>					
Modelling of seabed interaction in frequency domain analysis of mooring cables [Technical note: Young researcher]	20	13			
<u>Seating</u>					
Advisory note on calculation of natural frequencies of grandstand seating decks	22	20			
<u>Seawalls</u>					
Keppel Harbour re-development – vertical seawall system	15	25			
<u>Second Order Inelastic Analysis</u>					
An Elastic-plastic (second order) plane frame analysis method for design engineers	10	31			
<u>Sheffield Winter Gardens</u>					
Sheffield Winter Garden: a green space in the city	2	18			
<u>Shopping Centres</u>					
Extending upwards the Amara Hotel and shopping centre, Singapore	15	15			
<u>Simulations</u>					
Building simulation: design tool or gimmick?	3	20			
<u>Site Investigation</u>					
Building homes for the future on a brownfield site	19	17			
<u>Skills</u>					
Acquiring design skills through technological collaboration	17	10			
<u>Snow</u>					
Calibration of Eurocode 1 Part1-3: snow loads [Technical note]	22	10			
Climate change: the structural engineers' response	1	24			
<u>Software</u>					
Building simulation: design tool or gimmick?	3	20			
Making software work for you [IT update]	13	20			
Managing technical software for profit [Viewpoint]	3	16			
Online project collaboration	3	22			
Supporting timber design through electronic toolboxes [Technical note]	3	18			
Using CAD imaging in training and development of engineers	3	23			
<u>Soils</u>					
The world of foundation engineering [Gold Medal Address 2003]	12	27			
<u>South Africa</u>					
Improving the performance of traditional dwellings in South Africa	1	20			
Quality and structural failure: causes and solutions in South Africa [Technical note]	10	20			
<u>Space Frames</u>					
James Clark Maxwell and the	12	15			

Pertinacity Theorem [Technical note]				
Spirals				
Moretele pedestrian bridge, Hammanskral, South Africa	21	17,21		
Stadia				
Advisory note on calculation of natural frequencies of grandstand seating decks	22	20		
Frequencies of synchronised human loading from jumping and stamping	22	27		
Using precast concrete in stadiums [Technical note]	23/24	26		
Standing Committee on Structural Safety [SCOSS]				
Practical application of risk management[preview of 14th biennial SCOSS report]	14	19		
Steel				
Beaufort Court: new steel homes in London	22	13		
Behaviour of a multi-storey composite steel framed building in fire	2	27		
Designing for ductility	6	13		
Double skin steel/concrete composite beam elements: experimental testing	21	30		
Fatigue strength enhancement of steel girders by post-weld treatment [Technical note]	12	17		
Stiffness				
Concepts for designing stiffer structures	21	36		
The future of structural analysis teaching	7	33		
Stone				
Renovation of a 17th century French farmhouse	3	41		
Strengthening				
Bridge design: meeting the challenge	5	14		
Extending upwards the Amara Hotel and shopping centre, Singapore	15	15		
Strengthening a bridge using carbon fibre reinforced plates	5	17		
The effect of surface profile on flexural strengthening of rc sections with frp [Model analysis award]	6	17		
Structural Analysis				
The future of structural analysis teaching [Discussion]	23/24	47		
The future of structural analysis teaching	7	33		
Structural Dynamics				
Understanding the interactions between people and structures [Research update]	14	12		
Structural Engineering				
A half century of computers in structural engineering	3	28		
Climate change: the structural engineers' response	1	24		
Climate change: the structural engineers' response [Discussion]	6	28		
Developing architectural awareness in structural engineers	7	27		
Fees and the future [Viewpoint]	11	15		
IStructE: I'm a structural engineer [Presidential Address]	19	35		
Risk and liability for the structural engineer: a legal perspective	14	23		
Risk in structural engineering [Viewpoint]	10	12,15		
Structures				
Calibration of Eurocode 1-1-2: Actions on structures exposed to fire [Technical note]	19	22		
Concepts for designing stiffer structures	21	36		
Suspension Bridges				
Lions' Gate: contributions to suspension bridge engineering	10	26		
Some iron suspension bridges in Scotland 1816-1834 and their origins	5	23		
Sustainability				
Campaign to promote timber gains momentum	17	19		
Construction without depleting the natural environment? [Correspondence]	1	33		
Getting to grips with sustainable development	1	13		
INTEGER Hong Kong pavilion	18	34		
			T	
			Taipei International Financial Center, Taiwan	
			Taipei International Financial Center, Taiwan	8 15
			Teaching	
			The future of structural analysis teaching [Discussion]	23/24 47
			The future of structural analysis teaching	7 33
			Timber design knowledge for professionals of the future [Technical Note]	7 22
			Technology Transfer	
			Technology transfer from offshore to onshore structures	6 15
			Temporary Works	
			CDM and site safety – is it a fair ACOP?	2 12
			Tension Structures	
			A new method for measuring the dynamic response of cable net structures [Technical note]	12 19
			Thermal Performance	
			Performance of GRP composite structures at ambient and elevated temperatures [Technical note]	15 10,12
			Saving energy with timber frame construction	1 18
			Thorburn, Sam	
			Sam Thorburn: the foundations of success [Profile]	9 14
			Timber	
			Breakthroughs in timber engineering [Technical update]	17 24
			Building with sustainable forest products	1 14
			Campaign to promote timber gains momentum	17 19
			Environmental benefits of timber as a structural material [Technical note]	17 22
			Great expectations: timber repair and conservation [Technical note]	11 26
			Renovation of a 17th century French farmhouse	3 41
			Saving energy with timber frame construction	1 18
			Sheffield Winter Garden: a green space in the city	2 18
			Structural timber-concrete composites: advantages of a little known innovation	4 17
			Supporting timber design through electronic toolboxes [Technical note]	3 18
			The feasibility of roundpole timber and lime concrete composite flooring	4 15
			Timber: an undervalued material [Technical note]	17 14,16
			Timber design knowledge for professionals of the future [Technical note]	7 22
			UK's first Centre for Timber Engineering gets into gear	17 13
			Torsion	
			Design of RHS for torsion using simplified thick wall theory	11 31
			Traffic Loads	
			Lions' Gate: contributions to suspension bridge engineering	10 26
			Training	
			Acquiring design skills through technological collaboration	17 10
			Is your design office ready for new IT challenges? [Technical note]	7 17
			The development of role-based training in a consultancy	7 20
			TSA	
			New guidance and progress on thaumasite control.	9 15
			A summary of the findings of the Thaumasite Expert Group Report: 'Review of structural aspects after 3 years experience' [Technical update]	
			Tunnels	
			Moving structures - jacked tunnels on the Central Artery, Boston, USA	18 28
			U	

<u>United Kingdom</u>		
Extreme wind speeds in the UK	8	18
<u>Unity City Academy, Middlesbrough</u>		
A school for the future	20	18
V		
<u>Vehicles</u>		
Road vehicle impacts on buildings in the UK – regulation and risk	3	36
<u>Vibration</u>		
A new method for measuring the dynamic response of cable net structures [Technical note]	12	19
Federation Square, Melbourne: decking over the railway	18	19
Field measurements of lateral vibration on a pedestrian suspension bridge	22	22
The influence of crowd size on floor vibrations induced by walking	6	20
Understanding the interactions between people and structures [Research update]	14	12
W		
<u>Walking</u>		
The influence of crowd size on floor vibrations induced by walking	6	20
<u>Walls</u>		
An examination of fire spread in multi-storey buildings via glazed curtain wall façades	9	22
<u>Waste Management</u>		
Construction without depleting the natural environment? [Correspondence]	1	33
<u>Waterways</u>		
The restoration of the Anderton Boat Lift	20	29
<u>Websites</u>		
Untangling the web	3	26
<u>West Rail Project, Hong Kong</u>		
Using CAD imaging in training and development of engineers	3	23
<u>Westbury, Paul</u>		
Rising star? Not quite - he has already made it! An interview with Buro Happold's Paul Westbury [Young Members' Newsletter, centre pages]	12	4
<u>Wind</u>		
Extreme wind speeds in the UK	8	18
<u>Winterton House, Tower Hamlets, London</u>		
Off-the-frame brickwork: analysis of the data from Winterton House, London	9	27
<u>Woolwich Arsenal, London</u>		
Load tests on flitch beams: lessons from history	4	20