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California, USA	Seismic design of tall buildings [Viewpoint]	22	23		Industrial floor design, construction and testing [Rowen Travel Award 2006 Third paper]	8	29
Canada	Perspectives from Canada	10	18		Lessons from China earthquake	17	14
Cantilever Construction	A cantilever stand for Sheffield Wednesday F.C. [Centenary Spotlight]	8	13	5 Churchill Place, Canary Wharf, London	Model approach to new offices	3	34
					New tower for Canary Wharf	12	28
Car Parks	Implications of the collapse of the de la Concorde overpass	1	16	Civil Engineers	Great engineers: the legacy of past lives [Book review]	9	15
Carbon Dioxide	How to carry out a carbon impact assessment of a structural consultancy office [Sustainability Briefing No.4]	19	12	Cladding	Precast cladding for retail therapy	23/24	26
	Recycling and reuse of waste in the construction industry [Rowen Travel Award 2006]	4	32	Clancy Prize	The Structural Engineer Awards	12	15
	The ethics and evaluation of embodied carbon in buildings [Technical note]	9	30	Clay	The Genesis Project: demonstrating sustainable construction	9	39
	What is embodied carbon? [Sustainability Briefing No.3]	16	13	Clients	From slide rule to Notebook	13	22
	Whole-life carbon footprinting [Viewpoint]	6	15		Marketing unmasked part3: problems, and pitfalls [Viewpoint]	2	18
Careers	Increasing female participation in engineering education - initiatives at The University of Plymouth [Devon & Cornwall Branch paper]	1	28		Observations of a projects engineer [Gold Medal Address 2008]	13	31
					The structural engineer: what status? [Viewpoint]	2	20
Carrick-a-Rede Rope Bridge, North Antrim, Northern Ireland	Young Members' talent on show [Young Members]	4	16	Cob	Study of historic rammed earth structures in Spain and India [Rowen Travel Award winning entry 2006]	2	26
					The Genesis Project: demonstrating sustainable construction	9	39
Casa Kike, Costa Rica	Structural Awards '08	22	25	Codes of Practice	Changes in retaining wall design [Technical note]	4	25
Cast Iron	Refurbishment of St Pancras: justification of cast iron columns	11	28		Coping with natural and man-made disasters [Centenary Issue]	14	136
Cathedrals	Replacing a rose window [Edited extract from Michael Horne Prize report]	16	25		Earthquake resistant design practice and research in India [Research update]	6	22
Catia	Pushing the limits in sport design	13	27		Experiences of a contractor's structural engineer [Centenary Issue]	14	26
Cavity Walls	Behavioural characteristics and service life of cold formed sections [Technical note]	4	22		Fire safety - a structural engineer's view [Viewpoint]	15	22
Centenary	A message from the President [Centenary Issue]	14	7		Shear design of concrete structures	10	32
	Celebrating 100 years of structural engineering [Introduction to Devon & Cornwall Branch supplement]	1	23	Cold Forged Steel	Structural design and the Eurocodes: a historical review	20	29
	Centenary events in India [Report]	6	18		What do the Eurocodes mean for South Africa? [Report on South African Eurocodes Summit]	6	27
	Foreword [Centenary Issue]	14	5				
	Pitchers of Hong Kong [Report]	5	21	Collapse	Behavioural characteristics and service life of cold formed sections [Technical note]	4	22
	The President's year [Interview with Sarah Buck]	23/24	15		Extending the collapse time of non-engineered masonry buildings under seismic loading [Technical note]	7	31
	Turning ideas into reality [Report: Centenary Conference]	3	14		Implications of the collapse of the de la Concorde overpass	1	16
	Unseen Hands in Yorkshire exhibition				Lessons from China earthquake	17	14
					Shear design of concrete structures	10	32
					The challenge of offshore structures	20	19

Colleges	The Genesis Project: demonstrating sustainable construction	9	39		Concrete compressive strength testing - is the industry getting it right? [Viewpoint]	23/24	43
	The whole building approach to sustainable design	9	22		Design for robustness of connections to concrete filled tubular columns in fire [Technical note]	19	22
Columns	An analytical method for the design of steel frames with semi-continuous connections	3	43		Dublin conference centre	21	13
	An analytical method for the design of steel frames with semi-continuous connections [Correspondence Online]	11	1 [Online]		Early-age concrete crack control - is EC2 right or wrong?	15	32
	Composite columns - 1819 tests on concrete-filled steel tube columns compared with Eurocode 4	16	33		Exciting times for research [Research update]	20	25
	Cracking of rc beam/column joints: implications for practical structural analysis and design	12	33		Fire resistant design of concrete filled tubular steel columns	19	40
	Design for robustness of connections to concrete filled tubular columns in fire [Technical note]	19	22		Hard and fast facts of waterproof concrete [Technical note]	23/24	44
	Fire resistant design of concrete filled tubular steel columns	19	40		Innovative SCS system for marine and offshore applications [Research update]	12	24
	Refurbishment of St Pancras: justification of cast iron columns	11	28		Recycling and reuse of waste in the construction industry [Rowen Travel Award 2006]	4	32
	Reinforced concrete structures in fire: a review of the current rules	19	33		Stonecutters bridge	5	30
					Supporting Westcroft Bridge	5	34
					Supporting research and teaching of concrete in the UK	7	41
Committees	Professional Conduct Committee [Briefing]	6	29		Sustainability tops agenda [Concrete Communications Conference 2008]	23/24	37
					The design life of concrete structures [Centenary Spotlight]	16	22
Communication	From slide rule to Notebook	13	22		Upheaval buckling behaviour of blinding struts [Research update]	15	27
					Venetikos bridge, Greece	23/24	28
Companies	Conder: a model company [1947-1987]	10	26	The Concrete Centre	Supporting research and teaching of concrete in the UK	7	41
	Corporate Manslaughter Act [Viewpoint]	7	15				
Competitions	The Educational Trust	20	13	Concrete Institute	Structural design and the Eurocodes: a historical review	20	29
	Young Members' talent on show [Young Members]	4	16		The Institution and the journal [Centenary Issue]	14	14
Complaints	Professional Conduct Committee [Briefing]	6	29				
Composite Construction	Composite columns - 1819 tests on concrete-filled steel tube columns compared with Eurocode 4	16	33	Conder	Conder: a model company [1947-1987]	10	26
	Fire resistant design of concrete filled tubular steel columns	19	40	Conference Centres	Dublin conference centre	21	13
	Numerical validation of simplified theories for design rules of transversely stiffened plate girders	21	37	Conferences	Centenary events in India [Report]	6	18
	Steel bridges enable innovation	5	32		In touch with wood 2008 [Report]	17	17
	Strength and ductility of headed stud connectors welded in modern profiled steel sheeting [Correspondence Online]	4	2 [Online]		Perspectives from Canada	10	18
	Supporting Westcroft Bridge	5	34		Pitchers of Hong Kong [Report]	5	21
	Volunteering in South Africa	16	23		President's visit to Singapore	18	15
					Structural engineering, mechanics and computation conference [Research update]	8	16
					Sustainability tops agenda [Concrete Communications Conference 2008]	23/24	37
					The challenge of the unknown [Report: 10th Young Researchers' Conference]	7	18
Compression	Refurbishment of St Pancras: justification of cast iron columns	11	28	Confidential Reporting On Structural Safety (CROSS)	Dangers from falling masonry [Summary of a recent CROSS report]	15	18
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Compressive Strength	Concrete compressive strength testing – is the industry getting it right? [Viewpoint]	23/24	43	Connections	An analytical method for the design of steel frames with semi-continuous connections	3	43
	Prefabricated earth constructions in the UK and Europe [Pai Lin Li Travel Award 2007]	18	32		An analytical method for the design of steel frames with semi-continuous connections [Correspondence Online]	11	1 [Online]
Computer Aided Learning	Supporting research and teaching of concrete in the UK	7	41		Design for robustness of connections to concrete filled tubular columns in fire [Technical note]	19	22
Computers	A decision support tool for multi-disciplinary conceptual design [Devon & Cornwall Branch paper]	1	37		Norwich Cathedral embraces oak	17	20
	The ascent of structural mechanics [Centenary Issue]	14	106		Seismic design of tall buildings [Viewpoint]	22	23
					Strength and ductility of headed stud connectors welded in modern profiled steel sheeting [Correspondence Online]	4	2 [Online]
Conceptual Design	A decision support tool for multi-disciplinary conceptual design [Devon & Cornwall Branch paper]	1	37	Construction Industry	Experiences of a contractor's structural engineer [Centenary Issue]	14	26
Concrete	Building structures [Centenary Issue]	14	52		President's visit to South Africa	19	16
	Changes in retaining wall design [Technical note]	4	25		What is sustainability? [Sustainability Briefing No.1]	9	18
	Composite columns - 1819 tests on concrete-filled steel tube columns compared with Eurocode 4	16	33	Construction Sites	Site waste management plans [Sustainability Briefing No.5]	21	10



Construction Work	100 years of construction methods [Centenary Issue]	14	112		implications for practical structural analysis and design	12	33
	Beijing Olympics: an update	2	16		Early-age concrete crack control - is EC2 right or wrong?	15	32
	Building structures [Centenary Issue]	14	52		Full-scale fire tests on hollowcore floors	6	33
	Industrial floor design, construction and testing [Rowen Travel Award 2006 Third paper]	8	29	i	Study of historic rammed earth structures in Spain and India [Rowen Travel Award winning entry 2006]	2	26
	Steel bridges enable innovation	5	32		Testing and monitoring of structures: traps for the unwary [Viewpoint]	20	22
	Stonecutters bridge	5	30				
	Students get hands on challenge [Constructionarium]	12	20	Cranes	Design and construction of an environmental enclosure for a refitting dock [Devon & Cornwall Branch supplement]	1	25
	Supporting Westcroft Bridge	5	34				
	Sustainability tops agenda [Concrete Communications Conference 2008]	23/24	37				
	Sydney Opera House [Centenary Spotlight]	13	12				
	The future for structural engineers: challenges and opportunities [Centenary Issue]	14	142	Creep	Upheaval buckling behaviour of blinding struts [Research update]	15	27
	The Genesis Project: demonstrating sustainable construction	9	39	Cricket Grounds	Structural Awards '08	22	25
	Venetikos bridge, Greece	23/24	28	Cruciform	Norwich Cathedral embraces oak	17	20
	The Constructionarium Scheme			CSC	From slide rule to Notebook	13	22
		Students get hands on challenge [Constructionarium]	12	20	Cube Tests	Concrete compressive strength testing – is the industry getting it right? [Viewpoint]	23/24
Consulting Engineers	The development of the consulting profession [Centenary Issue]	14	20	Cutty Sark, Greenwich, London	Cutty Sark rises from the ashes	11	10
Contractors	Experiences of a contractor's structural engineer [Centenary Issue]	14	26	Cyclic Loads	Cracking of rc beam/column joints: implications for practical structural analysis and design	12	33
	Observations of a projects engineer [Gold Medal Address 2008]	13	31	i			
The Convention Centre Dublin, Ireland	Dublin conference centre	21	13	<b>D</b>			
				Damage	Cutty Sark rises from the ashes	11	10
					Lessons from China earthquake	17	14
Cookstown Retail Development, Co. Tyrone, Northern Ireland	Young Members' talent on show [Young Members]	4	16		Maintaining our heritage	11	20
					The challenge of offshore structures	20	19
				DD 9999	Fire safety - a structural engineer's view [Viewpoint]	15	22
Core Walls	New tower for Canary Wharf	12	28	De La Concorde Overpass, Quebec, Canada	Implications of the collapse of the de la Concorde overpass	1	16
Corporate Manslaughter & Corporate Homicide Act 2007	Corporate Manslaughter Act [Viewpoint]	7	15	Deaths	Corporate Manslaughter Act [Viewpoint]	7	15
Corrosion	Implications of the collapse of the de la Concorde overpass	1	16	Debonding	Exciting times for research [Research update]	20	25
Corrosion Protection	Behavioural characteristics and service life of cold formed sections [Technical note]	4	22	Decks	Strength and ductility of headed stud connectors welded in modern profiled steel sheeting [Correspondence Online]	4	2 [Online]
Costs	Capital vs lifecycle vs whole-life costs [Sustainability Briefing No.2]	12	22	Derrington Construction Award	The Structural Engineer Awards	12	15
	Changes in retaining wall design [Technical note]	4	25				
	Recycling and reuse of waste in the construction industry [Rowen Travel Award 2006]	4	32	Design	An analytical method for the design of steel frames with semi-continuous connections	3	43
Courses	The Eurocodes: why? what? when? [Eurocodes - Preparing for 2010]	6	26		Changes in retaining wall design [Technical note]	4	25
Cover	Concrete cover separation failure in near-surface mounted CFRP strengthened concrete structures [Technical note]	4	19		Cracking of rc beam/column joints: implications for practical structural analysis and design	12	33
					Creating a winning design [Young Members]	5	24
CP 110	Changes in retaining wall design [Technical note]	4	25		Design and construction of an environmental enclosure for a refitting dock [Devon & Cornwall Branch supplement]	1	25
CP 114	Changes in retaining wall design [Technical note]	4	25		Design methods for domestic floors constructed using engineered joists	17	36
					Designing a glass spiral staircase	8	23
CP 2007	Changes in retaining wall design [Technical note]	4	25		Exploring the design possibilities of laminated wood	3	22
					Fire resistant design of concrete filled tubular steel columns	19	40
CPD	The Structural engineer: what status? [Viewpoint]	2	20		Free form grid structures [Research update]	3	19
	Why become a Technician member of IStructE? [Viewpoint]	16	12		Industrial floor design, construction and testing [Rowen Travel Award 2006 Third paper]	8	29
Cracking	Changes in retaining wall design [Technical note]	4	25		Shear design of concrete structures	10	32
	Cracking of rc beam/column joints:				Structural design and avant garde architecture	20	33

	Structural design and the Eurocodes: a historical review	20	29		winning entry 2006]	2	26
	Taw Bridge, Barnstaple - design and construction [Devon & Cornwall Branch paper]	1	31	Eaton, Keith	A great leap forward [Viewpoint]	23/24	19
	The Savill Garden gridshell: design and construction	17	27	Education	Increasing female participation in engineering education - initiatives at The University of Plymouth [Devon & Cornwall Branch paper]	1	28
Detailing	Comparing reinforcement detailing provisions in EC 2 & BS 8110 - Part 1: contribution of hooks and bends to anchorage	16	27		Knowledge, experience, education and training [Centenary Issue]	14	32
	Comparing reinforcement detailing provisions in EC 2 and BS 8110 - 2: curtailment of beam reinforcement [Technical note]	23/24	40		Paradigms, revolutions and models: some insights from Thomas Kuhn for an engineering outlook	2	33
					Supporting research and teaching of concrete in the UK	7	41
Devonport Royal Dockyard, Plymouth	Design and construction of an environmental enclosure for a refitting dock [Devon & Cornwall Branch supplement]	1	25		The call of the wild: the next 100 years [Centenary Issue]	14	146
				EEFIT	The Educational Trust	20	13
					Coping with natural and man-made disasters [Centenary Issue]	14	136
Diagrams	Nomograms, a lost but useful art (Technical note) [Devon & Cornwall Branch supplement]	1	24	Egnatia Motorway, Greece	Lessons from China earthquake	17	14
					Venetikos bridge, Greece	23/24	28
Diagrid	Innovative use of conventional structural principles in Middle East construction	23/24	32	Elections	Election of vice-presidents and ordinary council members 2008 [Council Report]	19	20
					How do we get the Council we deserve? [Viewpoint]	18	18
Disasters	Coping with natural and man-made disasters [Centenary Issue]	14	136	Embodied Energy	Recycling and reuse of waste in the construction industry [Rowen Travel Award 2006]	4	32
	Tsunami recovery: the lessons [Viewpoint]	22	20				
Docks	Design and construction of an environmental enclosure for a refitting dock [Devon & Cornwall Branch supplement]	1	25	Emissions	How to carry out a carbon impact assessment of a structural consultancy office [Sustainability Briefing No.4]	19	12
					Recycling and reuse of waste in the construction industry [Rowen Travel Award 2006]	4	32
Domes	Long-span structures: the search for structural efficiency [Centenary Issue]	14	72		The ethics and evaluation of embodied carbon in buildings [Technical note]	9	30
	Young Members' talent on show [Young Members]	4	16		What is embodied carbon? [Sustainability Briefing No.3]	16	13
Dorman Long	Universal beams and their application [Centenary Spotlight]	22	18		Whole-life carbon footprinting [Viewpoint]	6	15
Dry Envelope Construction	Conder: a model company [1947-1987]	10	26	Energy	Power and industry [Centenary Issue]	14	64
Drystone walls	Large scale testing of drystone retaining structures [Technical note]	11	24	Energy Consumption	How to carry out a carbon impact assessment of a structural consultancy office [Sustainability Briefing No.4]	19	12
Durability	Prefabricated earth constructions in the UK and Europe [Pai Lin Li Travel Award 2007]	18	32	Energy Efficiency	The whole building approach to sustainable design	9	22
	The design life of concrete structures [Centenary Spotlight]	16	22	Engineering	Increasing female participation in engineering education - initiatives at The University of Plymouth [Devon & Cornwall Branch paper]	1	28
	The ethics and evaluation of embodied carbon in buildings [Technical note]	9	30		Knowledge, experience, education and training [Centenary Issue]	14	32
Dynamic Loads	Development of advanced concrete Materials for anti-terrorism applications [Technical note]	19	28		Paradigms, revolutions and models: some insights from Thomas Kuhn for an engineering outlook	2	33
<b>E</b>					The call of the wild: the next 100 years [Centenary Issue]	14	146
Early-warning systems	Coping with natural and man-made disasters [Centenary Issue]	14	136	Engineers	Authors [Centenary Issue]	14	158
					Bridges - spanning art and technology [Centenary Issue]	14	82
Earth Structures	Prefabricated earth constructions in the UK and Europe [Pai Lin Li Travel Award 2007]	18	32		IStructE Gold Medallists 1922-2008 [Centenary Issue]	14	160
	Study of historic rammed earth structures in Spain and India [Rowen Travel Award winning entry 2006]	2	26		Observations of a projects engineer [Gold Medal Address 2008]	13	31
Earthquakes	Coping with natural and man-made disasters [Centenary Issue]	14	136		The call of the wild: the next 100 years [Centenary Issue]	14	146
	Earthquake resistant design practice and research in India [Research update]	6	22		The conservation, refurbishment and re-use of buildings [Centenary Issue]	14	58
	Extending the collapse time of non-engineered masonry buildings under seismic loading [Technical note]	7	31	Environment	What is sustainability? [Sustainability Briefing No.1]	9	18
	Lessons from China earthquake	17	14				
	Seismic design of tall buildings [Viewpoint]	22	23	Epoxy Resins	Norwich Cathedral embraces oak	17	20
	Study of historic rammed earth structures in Spain and India [Rowen Travel Award						

Errors	Testing and monitoring of structures: traps for the unwary [Viewpoint]	20	22		update]	20	25
Estuaries	Taw Bridge, Barnstaple - design and construction [Devon & Cornwall Branch paper]	1	31	Factories	New look for Royal Worcester Structural Awards '08	11	16
Ethics	The ethics and evaluation of embodied carbon in buildings [Technical note]	9	30	Failures	Concrete cover separation failure in near-surface mounted CFRP strengthened concrete structures [Technical note]	4	19
Eurocode 1	The Eurocodes: why? what? when? [Briefing No.12]	22	14		Criteria for structural failure of rc beams without transverse reinforcement	23/24	55
Eurocode 2	Changes in retaining wall design [Technical note]	4	25		Extending the collapse time of non-engineered masonry buildings under seismic loading [Technical note]	7	31
	Comparing reinforcement detailing provisions in EC 2 & BS 8110 - Part 1: Contribution of hooks and bends to anchorage	16	27		Implications of the collapse of the de la Concorde overpass	1	16
	Comparing reinforcement detailing provisions in EC 2 and BS 8110 - 2: curtailment of beam reinforcement [Technical note]	23/24	40	Falsework	Safety risk and failure: the management of uncertainty [Centenary Issue]	14	100
	Early-age concrete crack control - is EC2 right or wrong?	15	32	Fascias	Seismic design of tall buildings [Viewpoint]	22	23
Eurocode 3	Investigation into structural behaviour of stainless steel oval hollow sections [Technical note]	7	35	Fibre Reinforced Concrete	Stonecutters bridge	5	30
	Numerical validation of simplified theories for design rules of transversely stiffened plate girders	21	37		Structural Awards '08	22	25
	Simplified expressions for compression and bending [Technical note]	21	24	Filled Tubes	Development of advanced concrete materials for anti-terrorism applications [Technical note]	19	28
	The Eurocodes: why? what? when? [Briefing No.10]	10	22		Composite columns - 1819 tests on concrete-filled steel tube columns compared with Eurocode 4	16	33
Eurocode 4	Composite columns - 1819 tests on concrete-filled steel tube columns compared with Eurocode 4	16	33	Films	Design for robustness of connections to concrete filled tubular columns in fire [Technical note]	19	22
	Fire resistant design of concrete filled tubular steel columns	19	40		Fire resistant design of concrete filled tubular steel columns	19	40
Eurocode 5	Design methods for domestic floors constructed using engineered joists	17	36	Finite Element Analysis	Yorkshire Branch celebrates the Centenary [Yorkshire Branch Supplement]	11	40
Eurocodes	Structural design and the Eurocodes: a historical review	20	29		Cracking of rc beam/column joints: implications for practical structural analysis and design	12	33
	The Eurocodes: why? what? when? [Briefing No.11]	18	12		Footfall vibration and finite element analysis [Technical note]	3	37
	The Eurocodes: why? what? when? [Eurocodes - Preparing for 2010]	6	26		Footfall vibration and finite element analysis [Correspondence Online]	11	3 [Online]
	What do the Eurocodes mean for South Africa? [Report on South African Eurocodes Summit]	6	27	Fire	Improving bridge performance with FEA software	3	26
Europe	Prefabricated earth constructions in the UK and Europe [Pai Lin Li Travel Award 2007]	18	32		Upheaval buckling behaviour of blinding struts [Research update]	15	27
Exhibition Centres	Creating a winning design [Young Members]	5	24	f	Cutty Sark rises from the ashes	11	10
Exhibition Spaces	Long-span structures: the search for structural efficiency [Centenary Issue]	14	72		Design for robustness of connections to concrete filled tubular columns in fire [Technical note]	19	22
Exhibitions	Exploring the design possibilities of laminated wood	3	22	Firesoft	Fire resistant design of concrete filled tubular steel columns	19	40
	Investing in the future	7	28	Fixings	Fire safety - a structural engineer's view [Viewpoint]	15	22
	Unseen Hands in Yorkshire exhibition [Yorkshire Branch Supplement]	11	42		Full-scale fire tests on hollowcore floors	6	33
	Unseen hands on display [Centenary]	5	15	Flanges	Reinforced concrete structures in fire: a review of the current rules	19	33
	Unseen hands take centre stage [Report]	8	14		Fire resistant design of concrete filled tubular steel columns	19	40
Extensions	Norwich Cathedral embraces oak	17	20		Nonrich Cathedral embraces oak	17	20
F					An analytical method for the design of steel frames with semi-continuous connections	3	43
Faber, Oscar	The development of the consulting profession [Centenary Issue]	14	20		An analytical method for the design of steel frames with semi-continuous connections [Correspondence Online]	11	1 [Online]
Fabian Way Bridge, Swansea, Wales	Structural Awards '08	22	25	Flat Arches	Behavioural characteristics and service life of cold formed sections [Technical note]	4	22
Facade retention	Hotel atrium challenge	8	19		Developments in steel frame joints in New Zealand [Research update]	16	20
	The conservation, refurbishment and re-use of buildings [Centenary Issue]	14	58	Flat Slabs	Replacing a rose window [Edited extract from Michael Horne Prize report]	16	25
Facades	Exciting times for research [Research			Flats	Reinforced concrete structures in fire: a review of the current rules	19	33

	Partial collapse of Ronan Point [Centenary Spotlight]	5	12	Gas industry	The challenge of offshore structures	20	19
	Young Members' talent on show [Young Members]	4	16	Genesis Centre, Somerset College Of Arts & Technology, Taunton	The Genesis Project: demonstrating sustainable construction	9	39
Flood Prevention	Coping with natural and man-made disasters [Centenary Issue]	14	136	Genetic Algorithm	A decision support tool for multi-disciplinary conceptual design [Devon & Cornwall Branch paper]	1	37
	New look for Royal Worcester	11	16				
Floors	Design methods for domestic floors constructed using engineered joists	17	36	Genzyme Center, Cambridge, Massachusetts, USA	The whole building approach to sustainable design	9	22
	Footfall vibration and finite element analysis [Technical note]	3	37				
	Footfall vibration and finite element analysis [Correspondence Online]	11	3 [Online]	Geometry	Paradigms, revolutions and models: some insights from Thomas Kuhn for an engineering outlook	2	33
	Full-scale fire tests on hollowcore floors	6	33				
	Industrial floor design, construction and testing [Rowen Travel Award 2006 Third paper]	8	29	Germany	Modern timber bridges - an international perspective [Pai Lin Li Travel Award 2007]	18	26
Football Grounds	A cantilever stand for Sheffield Wednesday F.C. [Centenary Spotlight]	8	13		Prefabricated earth constructions in the UK and Europe [Pai Lin Li Travel Award 2007]	18	32
Footbridges	Structural Awards '08	22	25	GFRG	Earthquake resistant design practice and research in India [Research update]	6	22
	Structural BIM in action	21	16				
	Young Members' talent on show [Young Members]	4	16	Glass	Designing a glass spiral staircase	8	23
Foundations	Foundation engineering [Centenary Issue]	14	44		Exciting times for research [Research update]	20	25
	Taw Bridge, Barnstaple - design and construction [Devon & Cornwall Branch paper]	1	31	Glass Fibres	Volunteering in South Africa	16	23
	The actual factor of safety in foundations [Centenary Spotlight]	11	8	Glazing	The Savill Garden gridshell: design and construction	17	27
	The Genesis Project: demonstrating sustainable construction	9	39	Glover, Michael	Observations of a projects engineer [Gold Medal Address 2008]	13	31
	The Savill Garden gridshell: design and construction	17	27				
Fractures	Exciting times for research [Research update]	20	25	Glulam	Modern timber bridges - an international perspective [Pai Lin Li Travel Award 2007]	18	26
Frames	An analytical method for the design of steel frames with semi-continuous connections	3	43	Gold Medal Address	Observations of a projects engineer [Gold Medal Address 2008]	13	31
	An analytical method for the design of steel frames with semi-continuous connections [Correspondence Online]	11	1 [Online]	Government Buildings	Home Office goes green	20	15
	Developments in steel frame joints in New Zealand [Research update]	16	20	Graduates	Investing in the future	7	28
	Materials and structural techniques [Centenary Issue]	14	118		Nurturing graduate talent	7	24
	New tower for Canary Wharf	12	28		Young Members' talent on show [Young Members]	4	16
	Seismic design of tall buildings [Viewpoint]	22	23	Grand Arcade, St Andrew's Street, Cambridge	Precast cladding for retail therapy	23/24	26
	The Genesis Project: demonstrating sustainable construction	9	39	Green, Liz	Creating a winning design [Young Members]	5	24
Free-form	Free form grid structures [Research update]	3	19	Grids	Free form grid structures [Research update]	3	19
	Structural design and avant garde architecture	20	33	Gridshells	The Savill Garden gridshell: design and construction	17	27
FRP	Concrete cover separation failure in near-surface mounted CFRP strengthened concrete structures [Technical note]	4	19	GSA Footfall Software	Footfall vibration and finite element analysis [Technical note]	3	37
	Exciting times for research [Research update]	20	25	Guthrie Brown Award	The Structural Engineer Awards	12	15
Full Scale Tests	Full-scale fire tests on hollowcore floors	6	33	<b>H</b>			
	Large scale testing of drystone retaining structures [Technical note]	11	24	Health & Safety	Corporate Manslaughter Act [Viewpoint]	7	15
					Safety risk and failure: the management of uncertainty [Centenary Issue]	14	100
Future	IStructE: into our second century. Our vision is to lead, support and nurture the development of structural engineering world-wide [Centenary Issue]	14 [Suppl.]	2p[Suppl.]	Helical	Designing a glass spiral staircase	8	23
	The future for structural engineers: challenges and opportunities [Centenary Issue]	14	142	Henry Adams Award	The Structural Engineer Awards	12	15
<b>G</b>				Hercilio Luz Bridge, Brazil	The use of riveting in the refurbishment of Hercilio Luz Bridge, Brazil	21	33
Galvanising	Behavioural characteristics and service life of cold formed sections [Technical note]	4	22	High Performance	Development of advanced concrete materials for anti-terrorism applications [Technical note]	19	28
					Innovative SCS system for marine and offshore applications [Research update]	12	24
Gantries	Bridge access gantries [Report]	5	29	High Speed 1	Structural Awards '08	22	25

Highcross Shopping Centre, Leicester	Precast cladding for retail therapy	23/24	26	Hong Kong & Shanghai Bank, Hong Kong	The structure of the new headquarters for the Hong Kong & Shanghai Banking Corp., Hong Kong [Centenary Spotlight]	12	18				
Hillsborough Stadium, Sheffield	A cantilever stand for Sheffield Wednesday F.C. [Centenary Spotlight]	8	13	Hotels	Hotel atrium challenge	8	19				
Historic Structures	Long-span structures: the search for structural efficiency [Centenary Issue]	14	72	Household Cavalry Museum, Horse Guards, Whitehall, London	Structural Awards '08	22	25				
	Maintaining our heritage	11	20								
	New look for Royal Worcester	11	16	Housing	Design methods for domestic floors constructed using engineered joists	17	36				
	Norwich Cathedral embraces oak	17	20								
	Replacing a rose window [Edited extract from Michael Horne Prize report]	16	25								
	Structural Awards '08	22	25								
	Study of historic rammed earth structures in Spain and India [Rowen Travel Award winning entry 2006]	2	26								
	The conservation, refurbishment and re-use of buildings [Centenary Issue]	14	58								
History	100 years of construction methods [Centenary Issue]	14	112	Husband Prize	The Structural Engineer Awards	12	15				
	A cantilever stand for Sheffield Wednesday F.C. [Centenary Spotlight]	8	13								
	Bridges - spanning art and technology [Centenary Issue]	14	82	Hydraulics	100 years of construction methods [Centenary Issue]	14	112				
	Building structures [Centenary Issue]	14	52								
	Changes in retaining wall design [Technical note]	4	25	I	Visions of the future [Centenary Conference]	4	13				
	Conder: a model company [1947-1987]	10	26								
	Foundation engineering [Centenary Issue]	14	44	i360 Tower, Brighton, Sussex	Innovative SCS system for marine and offshore applications [Research update]	12	24				
	Great engineers: the legacy of past lives [Book review]	9	15								
	IStructE Centenary: events that shaped the world of 1908	1	6	Impact Tests							
	IStructE Gold Medallists 1922-2008 [Centenary Issue]	14	160	India	Centenary events in India [Report]	6	18				
	Knowledge, experience, education and training [Centenary Issue]	14	32								
	Long-span structures: the search for structural efficiency [Centenary Issue]	14	72	i	Study of historic rammed earth structures in Spain and India [Rowen Travel Award winning entry 2006]	2	26				
	Materials and structural techniques [Centenary Issue]	14	118								
	New look for Royal Worcester	11	16	Indonesia	Tsunami recovery: the lessons [Viewpoint]	22	20				
	Paradigms, revolutions and models: some insights from Thomas Kuhn for an engineering outlook	2	33								
	Partial collapse of Ronan Point [Centenary Spotlight]	5	12	Industrial Buildings	Conder: a model company [1947-1987]	10	26				
	Power and industry [Centenary Issue]	14	64								
	Safety risk and failure: the management of uncertainty [Centenary Issue]	14	100	Industry	Industrial floor design, construction and testing [Rowen Travel Award 2006 Third paper]	8	29				
	Structural design and the Eurocodes: a historical review	20	29								
	Sydney Opera House [Centenary Spotlight]	13	12	Innovations	Power and industry [Centenary Issue]	14	64				
	The actual factor of safety in foundations [Centenary Spotlight]	11	8								
	The ascent of structural mechanics [Centenary Issue]	14	106	Inquiries	Materials and structural techniques [Centenary Issue]	14	118				
	The conservation, refurbishment and re-use of buildings [Centenary Issue]	14	58								
	The design life of concrete structures [Centenary Spotlight]	16	22	Integral Bridges	The ascent of structural mechanics [Centenary Issue]	14	106				
	The development of the consulting profession [Centenary Issue]	14	20								
	The Institution and the journal [Centenary Issue]	14	14	Iron	Partial collapse of Ronan Point [Centenary Spotlight]	5	12				
	The structure of the new headquarters for the Hong Kong & Shanghai Banking Corp., Hong Kong [Centenary Spotlight]	12	18								
	The structural engineer as artist [Centenary spotlight]	19	15	IStructE	Supporting Westcroft Bridge	5	34				
	Universal beams and their application [Centenary Spotlight]	22	18								
	Hollow Sections	Investigation into structural behaviour of stainless steel oval hollow sections [Technical note]	7	35	Iron	Testing and monitoring of structures: traps for the unwary [Viewpoint]	20	22			
									A message from the President [Centenary Issue]	14	7
Hollowcore Slabs	Full-scale fire tests on hollowcore floors	6	33	IStructE	Bridge access gantries [Report]	5	29				
								Celebrating 100 years of structural engineering [Introduction to Devon & Cornwall Branch supplement]	1	23	
											Centenary events in India [Report]
Hong Kong	Pitchers of Hong Kong [Report]	5	21	IStructE	Foreword [Centenary Issue]	14	5				
								Turning ideas into reality [Report: Centenary Conference]	3	14	
											Visions of the future [Centenary Conference]
Hollowcore Slabs	Full-scale fire tests on hollowcore floors	6	33	IStructE	IStructE People Awards	12	17				
								IStructE: into our second century. Our vision is to lead, support and nurture the development of structural engineering world-wide [Centenary Issue]	14 [Suppl.]2p [Suppl.]		
											Knowledge, experience, education and training [Centenary Issue]

	New Chief Executive for Institution (Celebrating 100 years of structural engineering) [Structural news]	19	5		exhibition [Yorkshire Branch Supplement]	11	42
	Pitchers of Hong Kong [Report]	5	21		Yorkshire Branch celebrates the Centenary [Yorkshire Branch Supplement]	11	40
	Professional Conduct Committee [Briefing]	6	29				
	The challenge of the unknown [Report: 10th Young Researchers' Conference]	7	18	IStructE Young Members	Creating a winning design [Young Members]	5	24
	The development of the consulting profession [Centenary Issue]	14	20		Young Members spread the word [IStructE Young Members' Panel]	7	22
	The Eurocodes: why? what? when? [Eurocodes - Preparing for 2010]	6	26	[Young Members]	Young Members' talent on show 4	16	
	The Institution and the journal [Centenary Issue]	14	14	<b>J</b>			
	The President's year [Interview with Sarah Buck]	23/24	15	Jacking	Steel bridges enable innovation	5	32
	Turning ideas into reality [Report: Centenary Conference]	3	14	Jamaica	A Caribbean journey [Report]	23/24	23
	Unseen Hands in Yorkshire exhibition [Yorkshire Branch Supplement]	11	42	John Wheatley College, Glasgow, Scotland			
	Unseen hands on display [Centenary]	5	15	s	The whole building approach to sustainable design	9	22
	Unseen hands take centre stage [Report]	8	14	Joints	Cracking of rc beam/column joints: implications for practical structural analysis and design	12	33
	Visions of the future [Centenary Conference]	4	13		Developments in steel frame joints in New Zealand [Research update]	16	20
	Young Structural Engineer of the Year Award 2008: the one to watch	10	16		Industrial floor design, construction and testing [Rowen Travel Award 2006 Third paper]	8	29
IStructE Awards	Model and Full Scale Testing Awards 2008	22	13		Replacing a rose window [Edited extract from Michael Horne Prize report]	16	25
	Structural Awards '08	22	25				
IStructE Caribbean Division	A Caribbean journey [Report]	23/24	23	Joists	Design methods for domestic floors constructed using engineered joists	17	36
IStructE Council	Election of vice-presidents and ordinary council members 2008 [Council Report]	19	20	Journals	A message from the President [Centenary Issue]	14	7
	How do we get the Council we deserve? [Viewpoint]	18	18		Foundation engineering [Centenary Issue]	14	44
IStructE Devon & Cornwall Branch	Celebrating 100 years of structural engineering [Introduction to Devon & Cornwall Branch supplement]	1	23		Searching The Structural Engineer archive [IT Note]	5	28
IStructE Educational Trust	Creating a winning design [Young Members]	5	24		Structural risk: addressing the issues [Report on special edition of ICE Proceedings]	15	16
	The Educational Trust	20	13		The Institution and the journal [Centenary Issue]	14	14
IStructE Examinations	Changes to the Associate Membership Examination	16	14		The structural engineer as artist [Centenary spotlight]	19	15
	Examiners' Report 2008	23/24	49	<b>K</b>			
IStructE Gold Medal	IStructE Gold Medallists 1922-2008 [Centenary Issue]	14	160	Kenneth Severn Award	IStructE People Awards	12	17
IStructE Library & Information Service	Searching The Structural Engineer archive [IT Note]	5	28	Kensington Oval, Barbados	Structural Awards '08	22	25
IStructE Membership	Why become a Technician member of IStructE? [Viewpoint]	16	12	Khan Shatyry Entertainment Centre, Astana, Kazakhstan	Young Structural Engineer of the Year Award 2008: the one to watch	10	16
IStructE Northern Ireland Branch	Young Members' talent on show [Young Members]	4	16	Kuhn, Thomas	Paradigms, revolutions and models: some insights from Thomas Kuhn for an engineering outlook	2	33
IStructE Presidential Visits	A Caribbean journey [Report]	23/24	23	<b>L</b>			
	China welcomes the President [Report]	5	18	Lackenby Steel Works	Universal beams and their application [Centenary Spotlight]	22	18
	Perspectives from Canada	10	18				
	President's visit to Australia	18	16	Laminated laminated wood	Exploring the design possibilities of 3	22	
	President's visit to Singapore	18	15		Norwich Cathedral embraces oak	17	20
	President's visit to South Africa	19	16				
	The President's year [Interview with Sarah Buck]	23/24	15-16	Laval, Quebec, Canada	Shear design of concrete structures	10	32
IStructE Presidents	Celebrating 100 years of structural engineering [Introduction to Devon & Cornwall Branch supplement]	1	23	Law	Corporate Manslaughter Act [Viewpoint]	7	15
	The President's year [Interview with Sarah Buck]	23/24	15	Leung, Francis	Site waste management plans [Sustainability Briefing No.5]	21	10
IStructE Rules of Conduct	Professional Conduct Committee [Briefing]	6	29	Lewis Kent Awards	IStructE People Awards	12	17
IStructE South Africa Division	President's visit to South Africa	19	16	Liability	Corporate Manslaughter Act [Viewpoint]	7	15
IStructE Yorkshire Branch	Unseen Hands in Yorkshire						

Libraries	Structural Awards '08	22	25	Membranes	Radon: risk and regulations	15	20
Life Cycle Costs	Capital vs lifecycle vs whole-life costs [Sustainability Briefing No.2]	12	22	MEXE method	Nomograms, a lost but useful art (Technical note) [Devon & Cornwall Branch supplement]	1	24
Lifting	Steel bridges enable innovation Stoncutters bridge	5 5	32 30	Misconduct	Professional Conduct Committee [Briefing]	6	29
Lincoln Cathedral, Lincolnshire	Replacing a rose window [Edited extract from Michael Horne Prize report]	16	25	Model & Full Scale Testing Award	Model and Full Scale Testing Awards 2008	22	13
Lintels	Behavioural characteristics and service life of cold formed sections [Technical note]	4	22	Modelling	BIM - at the tipping point? BIM by the back door Cracking of rc beam/column joints: implications for practical structural analysis and design	3 13	31 18
Listed Structures	Cutty Sark rises from the ashes Refurbishment of St Pancras: justification of cast iron columns	11 11	10 28		Exciting times for research [Research update] Free form grid structures [Research update]	20 3	25 19
Living Bridge, University of Limerick, Ireland	Structural Awards '08	22	25		Gaining freedom to design well [interview with Francis Leung]	13	19
Lockwitz Valley Road Bridge, Germany	Structural Awards '08	22	25		Improving bridge performance with FEA software	3	26
Long Span	Long-span structures: the search for structural efficiency [Centenary Issue]	14	72		Model approach to new offices Pushing the limits in sport design Structural BIM in action	3 13 21	34 27 16
Low Cost Housing	The whole building approach to sustainable design Volunteering in South Africa	9 16	22 23	Moment Frames	Seismic design of tall buildings [Viewpoint]	22	23
<b>M</b>				Monitoring	Testing and monitoring of structures: traps for the unwary [Viewpoint]	20	22
Madison Square Garden Arena, New York, USA	Young Members' talent on show [Young Members]	4	16	Movable Roofs	Design and construction of an environmental enclosure for a refitting dock [Devon & Cornwall Branch supplement]	1	25
Magnetic Resonance Imaging	Exciting times for research [Research update]	20	25	Movement	Testing and monitoring of structures: traps for the unwary [Viewpoint]	20	22
Maintaining	Dangers from falling masonry [Summary of a recent CROSS report]	15	18	Multi-storey Buildings	Innovative use of conventional structural principles in Middle East construction New tower for Canary Wharf Seismic design of tall buildings [Viewpoint]	23/24 12 22	32 28 23
Manufacturing	Universal beams and their application [Centenary Spotlight]	22	18		Tall buildings: commerce or sculpture? [Centenary Issue]	14	88
Marketing	Marketing unmasked part3: problems, and pitfalls [Viewpoint]	2	18		The structure of the new headquarters for the Hong Kong & Shanghai Banking Corp., Hong Kong [Centenary Spotlight]	12	18
Masonry	Dangers from falling masonry [Summary of a recent CROSS report] Extending the collapse time of non-engineered masonry buildings under seismic loading [Technical note] Masonry arch bridge assessment Replacing a rose window [Edited extract from Michael Horne Prize report]	15 7 13 16	18 31 24 25	Murray Buxton Award	The Structural Engineer Awards	12	15
Materials	100 years of construction methods [Centenary Issue] Materials and structural techniques [Centenary Issue] Power and industry [Centenary Issue] Recycling and reuse of waste in the construction industry [Rowen Travel Award 2006] Sustainability tops agenda [Concrete Communications Conference 2008] The ethics and evaluation of embodied carbon in buildings [Technical note] The future for structural engineers: challenges and opportunities [Centenary Issue] The whole building approach to sustainable design What is embodied carbon? [Sustainability Briefing No.3]	14 14 14 4 23/24 9 14 9 16	112 118 64 32 37 30 142 22 13	<b>N</b>	National Building Code Of Canada Design methods for domestic floors constructed using engineered joists	17	36
				Negligence	Corporate Manslaughter Act [Viewpoint]	7	15
				Nepal	Extending the collapse time of non-engineered masonry buildings under seismic loading [Technical note]	7	31
				New Zealand	Developments in steel frame joints in New Zealand [Research update]	16	20
				NHBC	Design methods for domestic floors constructed using engineered joists	17	36
				North Sea	The challenge of offshore structures	20	19
Matiere System	Research goes underground	12	26	Norway	Modern timber bridges - an international perspective [Pai Lin Li Travel Award 2007]	18	26
Media	Marketing unmasked part 3: problems, and pitfalls [Viewpoint]	2	18				

Norwich Cathedral Refectory	Norwich Cathedral embraces oak	17	20	Pipers Row, Wolverhampton I	Implications of the collapse of the de a Concorde overpass	1	16
Nuclear safety	Design and construction of an environmental enclosure for a refitting dock [Devon & Cornwall Branch supplement]	1	25	Plastic design	Paradigms, revolutions and models: some insights from Thomas Kuhn for an engineering outlook	2	33
Numerical Modelling	Reinforced concrete structures in fire: a review of the current rules	19	33		Structural design and the Eurocodes: a historical review	20	29
<b>O</b>				Plate Beams	Numerical validation of simplified theories for design rules of transversely stiffened plate girders	21	37
O2 Arena, Greenwich, London	Structural Awards '08	22	25				
Oak	Norwich Cathedral embraces oak	17	20	Platforms	Design and construction of an environmental enclosure for a refitting dock [Devon & Cornwall Branch supplement]	1	25
Office Buildings	Home Office goes green	20	15				
	How to carry out a carbon impact assessment of a structural consultancy office [Sustainability Briefing No.4]	19	12	Politics	IStructE Centenary: events that shaped the world of 1908	1	6
	Model approach to new offices	3	34				
	New look for Royal Worcester	11	16				
	New tower for Canary Wharf	12	28	Polypropylene	Extending the collapse time of non-engineered masonry buildings under seismic loading [Technical note]	7	31
	Structural Awards '08	22	25		Volunteering in South Africa	16	23
	The whole building approach to sustainable design	9	22				
Offshore platforms	The challenge of offshore structures	20	19	Polystyrene			
					Volunteering in South Africa	16	23
Oil Industry	The challenge of offshore structures	20	19				
				Post Tensioned Concrete	Reinforced concrete structures in fire: a review of the current rules	19	33
Olympic Games, Beijing, China	Beijing Olympics: an update	2	16		Taw Bridge, Barnstaple - design and construction [Devon & Cornwall Branch paper]	1	31
	Structural Awards '08	22	25				
Olympic Games, London	In touch with wood 2008 [Report]	17	17				
				Post Tensioning	Designing a glass spiral staircase	8	23
Opera Houses	Sydney Opera House [Centenary Spotlight]	13	12	Powell, Martin	New Chief Executive for Institution (Celebrating 100 years of structural engineering) [Structural news]	19	5
Optimisation	A decision support tool for multi-disciplinary conceptual design [Devon & Cornwall Branch paper]	1	37				
	Free form grid structures [Research update]	3	19	Power Stations	Power and industry [Centenary Issue]	14	64
Oscar Faber Award	The Structural Engineer Awards	12	15	Precast Concrete	Innovative use of conventional structural principles in Middle East construction	23/24	32
					Precast cladding for retail therapy	23/24	26
					Research goes underground	12	26
Oval	Investigation into structural behaviour of stainless steel oval hollow sections [Technical note]	7	35	Prefabricated Construction	Prefabricated earth constructions in the UK and Europe [Pai Lin Li Travel Award 2007]	18	32
Overpasses I	Implications of the collapse of the de a Concorde overpass	1	16		Steel use in offsite construction	21	20
	Shear design of concrete structures	10	32		Volunteering in South Africa	16	23
<b>P</b>				Preservatives	Modern timber bridges - an international perspective [Pai Lin Li Travel Award 2007]	18	26
Panels	Development of advanced concrete materials for anti-terrorism applications [Technical note]	19	28	Preserving	The cnservation, refurbishment and re-use of buildings [Centenary Issue]	14	58
	Steel use in offsite construction	21	20				
	Volunteering in South Africa	16	23	Prestressing	Taw Bridge, Barnstaple - design and construction [Devon & Cornwall Branch paper]	1	31
Paradigms	Paradigms, revolutions and models: some insights from Thomas Kuhn for an engineering outlook	2	33	Price & Myers	BIM - at the tipping point?	3	31
Partnerships	Beijing Olympics: an update	2	16	Procurement	In touch with wood 2008 [Report]	17	17
	Supporting research and teaching of concrete in the UK	7	41	Products	Prefabricated earth constructions in the UK and Europe [Pai Lin Li Travel Award 2007]	18	32
Patents	Conder: a model company [1947-1987]	10	26				
Pavilions	Long-span structures: the search for structural efficiency [Centenary Issue]	14	72	Professional Associations	The Structural engineer: what status? [Viewpoint]	2	20
	Structural Awards '08	22	25		Perspectives from Canada	10	18
	The Genesis Project: demonstrating sustainable construction	9	39	Professional Conduct	Professional Conduct Committee [Briefing]	6	29
Pennsylvania State University, USA	Improving bridge performance with FEA software	3	26	Progressive Collapse	Partial collapse of Ronan Point [Centenary Spotlight]	5	12
Piles	New tower for Canary Wharf	12	28	Projects	Observations of a projects engineer [Gold Medal Address 2008]	13	31
	Supporting Westcroft Bridge	5	34				



Prosecution	Corporate Manslaughter Act [Viewpoint]	7	15		Materials and structural techniques [Centenary Issue]	14	118
Public Relations	Marketing unmasked part3: problems, and pitfalls [Viewpoint]	2	18		Reinforced concrete structures in fire: a review of the current rules	19	33
Publications	Bridge access gantries [Report]	5	29		Shear design of concrete structures	10	32
	Great engineers: the legacy of past lives [Book review]	9	15	Reliability	Structural design and the Eurocodes: a historical review	20	29
	Knowledge, experience, education and training [Centenary Issue]	14	32		Structural risk: addressing the issues [Report on special edition of ICE Proceedings]	15	16
	Structural risk: addressing the issues [Report on special edition of ICE Proceedings]	15	16	Renault F1 Team CFD Centre, Enstone, Chipping Norton, Oxfordshire	Research goes underground	12	26
	The Eurocodes: why? what? when? [Briefing No.10]	10	22	Renewable Energy	The whole building approach to sustainable design	9	22
	The Eurocodes: why? what? when? [Eurocodes - Preparing for 2010]	6	26	Repairing	Cutty Sark rises from the ashes	11	10
	The teaching of structural analysis	22	32		Implications of the collapse of the de la Concorde overpass	1	16
Pudlo	Hard and fast facts of waterproof concrete [Technical note]	23/24	44		Maintaining our heritage	11	20
<b>Q</b>					New look for Royal Worcester	11	16
Qualifications	Knowledge, experience, education and training [Centenary Issue]	14	32		Study of historic rammed earth structures in Spain and India [Rowen Travel Award winning entry 2006]	2	26
Quinion, David	Experiences of a contractor's structural engineer [Centenary Issue]	14	26		The conservation, refurbishment and re-use of buildings [Centenary Issue]	14	58
<b>R</b>				Reports	Dangers from falling masonry [Summary of a recent CROSS report]	15	18
Radon	Radon: risk and regulations	15	20		Examiners' Report 2008	23/24	49
Railway Bridges	Testing and monitoring of structures: traps for the unwary [Viewpoint]	20	22		Implications of the collapse of the de la Concorde overpass	1	16
Railway Stations	Refurbishment of St Pancras: justification of cast iron columns	11	28		Lessons from China earthquake	17	14
Reconstruction	Replacing a rose window [Edited extract from Michael Horne Prize report]	16	25	Research	A decision support tool for multi-disciplinary conceptual design [Devon & Cornwall Branch paper]	1	37
	Tsunami recovery: the lessons [Viewpoint]	22	20		Beijing Olympics: an update	2	16
Recruiting	Increasing female participation in engineering education - initiatives at The University of Plymouth [Devon & Cornwall Branch paper]	1	28		Development of advanced concrete materials for anti-terrorism applications [Technical note]	19	28
	Nurturing graduate talent	7	24		Developments in steel frame joints in New Zealand [Research update]	16	20
Recycling	Recycling and reuse of waste in the construction industry [Rowen Travel Award 2006]	4	32		Earthquake resistant design practice and research in India [Research update]	6	22
Redeveloping	New look for Royal Worcester	11	16		Exciting times for research [Research update]	20	25
	Young Members' talent on show [Young Members]	4	16		Extending the collapse time of non-engineered masonry buildings under seismic loading [Technical note]	7	31
Refurbishing	Design and construction of an environmental enclosure for a refitting dock [Devon & Cornwall Branch supplement]	1	25		Free form grid structures [Research update]	3	19
	Structural Awards '08	22	25		Improving bridge performance with FEA software	3	26
	The use of riveting in the refurbishment of Hercilio Luz Bridge, Brazil	21	33		Increasing female participation in engineering education - initiatives at The University of Plymouth [Devon & Cornwall Branch paper]	1	28
Reinforced Concrete	A decision support tool for multi-disciplinary conceptual design [Devon & Cornwall Branch paper]	1	37		Innovative SCS system for marine and offshore applications [Research update]	12	24
	Comparing reinforcement detailing provisions in EC 2 & BS 8110 - Part 1: Contribution of hooks and bends to anchorage	16	27		Investigation into structural behaviour of stainless steel oval hollow sections [Technical note]	7	35
	Comparing reinforcement detailing provisions in EC 2 and BS 8110 - 2: curtailment of beam reinforcement [Technical note]	23/24	40		Model and Full Scale Testing Awards 2008	22	13
	Concrete cover separation failure in near-surface mounted CFRP strengthened concrete structures [Technical note]	4	19		Shear design of concrete structures	10	32
	Cracking of rc beam/column joints: implications for practical structural analysis and design	12	33	Reservoirs	Structural engineering, mechanics and computation conference [Research update]	8	16
	Criteria for structural failure of rc beams without transverse reinforcement	23/24	55	Resins	Supporting research and teaching of concrete in the UK	7	41
	Implications of the collapse of the de la Concorde overpass	1	16	Restaurants	Sustainability tops agenda [Concrete Communications Conference 2008]	23/24	37
					The challenge of the unknown [Report: 10th Young Researchers' Conference]	7	18
					Upheaval buckling behaviour of blinding struts [Research update]	15	27

Restoring	Cutty Sark rises from the ashes	11	10	Safety	Dangers from falling masonry [Summary of a recent CROSS report]	15	18
Restraints	Early-age concrete crack control - is EC2 right or wrong?	15	32		Design and construction of an environmental enclosure for a refitting dock [Devon & Cornwall Branch supplement]	1	25
Retaining Walls	Changes in retaining wall design [Technical note]	4	25		Tall buildings: commerce or sculpture? [Centenary Issue]	14	88
	Large scale testing of drystone retaining structures [Technical note]	11	24	Sail Bridge, Swansea, Wales	The challenge of offshore structures	20	19
Retrofit	Earthquake resistant design practice and research in India [Research update]	6	22	Sandwich Panels	Structural BIM in action	21	16
	Extending the collapse time of non-engineered masonry buildings under seismic loading [Technical note]	7	31		Innovative SCS system for marine and offshore applications [Research update]	12	24
Revit Structure	BIM - at the tipping point?	3	31	Sanitation	Volunteering in South Africa	16	23
Risk	Coping with natural and man-made disasters [Centenary Issue]	14	136	Savill Building, Windsor, Berkshire	The Savill Garden gridshell: design and construction	17	27
	Corporate Manslaughter Act [Viewpoint]	7	15				
Issue]	Dangers from falling masonry [Summary of a recent CROSS report]	15	18	Scaffolding	Design and construction of an environmental enclosure for a refitting dock [Devon & Cornwall Branch supplement]	1	25
	Fire safety - a structural engineer's view [Viewpoint]	15	22	Schools	Structural Awards '08	22	25
	Safety risk and failure: the management of uncertainty [Centenary 14	100		Science	Paradigms, revolutions and models: Some insights from Thomas Kuhn for an engineering outlook	2	33
	Seismic design of tall buildings [Viewpoint]	22	23				
	Structural risk: addressing the issues [Report on special edition of ICE Proceedings]	15	16	Scotland	Dangers from falling masonry [Summary of a recent CROSS report]	15	18
	The challenge of offshore structures	20	19				
Rivets	The use of riveting in the refurbishment of Hercilio Luz Bridge, Brazil	21	33	Sefton, Mike	Young Structural Engineer of the Year Award 2008: the one to watch	10	16
Road Bridges	Steel bridges enable innovation	5	32	Seismic design	Developments in steel frame joints in New Zealand [Research update]	16	20
	Supporting Westcroft Bridge	5	34		Earthquake resistant design practice and research in India [Research update]	6	22
	Taw Bridge, Barnstaple - design and construction [Devon & Cornwall Branch paper]	1	31		Seismic design of tall buildings [Viewpoint]	22	23
	Venetikos bridge, Greece	23/24	28		Venetikos bridge, Greece	23/24	28
Robot Millennium Software	Exploring the design possibilities of laminated wood	3	22	Service life	Exciting times for research [Research update]	20	25
Rods	Concrete cover separation failure in near-surface mounted CFRP strengthened concrete structures [Technical note]	4	19		The design life of concrete structures [Centenary Spotlight]	16	22
	Free form grid structures [Research update]	3	19	Settlement	The actual factor of safety in foundations [Centenary Spotlight]	11	8
Role	Changing the perception of the structural engineer [Kenneth Severn Award 2008 winner]	16	16	Shanghai World Financial Center, China	Structural BIM in action	21	16
	Structural engineering in the ecological age of civilisation [Centenary Issue]	14	130	Shear	Criteria for structural failure of rc beams without transverse reinforcement	23/24	55
	The development of the consulting profession [Centenary Issue]	14	20	Concorde overpass	Implications of the collapse of the de la 1	16	
	Visions of the future [Centenary Conference]	4	13		Numerical validation of simplified theories for design rules of transversely stiffened plate girders	21	37
Rolling Mills	Universal beams and their application [Centenary Spotlight]	22	18	Sheet Piles	Shear design of concrete structures	10	32
Ronan Point, London	Partial collapse of Ronan Point [Centenary Spotlight]	5	12	Supporting Westcroft Bridge		5	34
Roofs	Design and construction of an environmental enclosure for a refitting dock [Devon & Cornwall Branch supplement]	1	25	Sheffield Wednesday Football Club Wednesday F.C.	A cantilever stand for Sheffield [Centenary Spotlight]	8	13
	Long-span structures: the search for structural efficiency [Centenary Issue]	14	72	Shenzhen University Town Library, China	Structural Awards '08	22	25
Rowen Travel Award	The Savill Garden gridshell: design and construction	17	27	Ships	Cutty Sark rises from the ashes	11	10
	Recycling and reuse of waste in the construction industry [Rowen Travel Award 2006]	4	32		Design and construction of an environmental enclosure for a refitting dock [Devon & Cornwall Branch supplement]	1	25
Royal Worcester Porcelain Works, Worcester				Shopping Centres	Precast cladding for retail therapy	23/24	26
	New look for Royal Worcester	11	16		Young Members' talent on show [Young Members]	4	16
<b>S</b>				Silken Hotel, Aldwych, London	Hotel atrium challenge	8	19

Singapore	President's visit to Singapore	18	15		[Centenary Issue]	14	88
Sir Arnold Waters Medal	The Structural Engineer Awards	12	15	Stadia	A cantilever stand for Sheffield Wednesday F.C. [Centenary Spotlight]	8	13
Skills	The teaching of structural analysis	22	32		Beijing Olympics: an update	2	16
Skyscrapers	Innovative use of conventional structural principles in Middle East construction	23/24	32		Long-span structures: the search for structural efficiency [Centenary Issue]	14	72
Slimflor	Hotel atrium challenge	8	19		President's visit to South Africa	19	16
					Pushing the limits in sport design	13	27
					Structural BIM in action	21	16
Software	An analytical method for the design of steel frames with semi-continuous connections [Correspondence Online]	11	1 [Online]	Stainless Steel	Investigation into structural behaviour of stainless steel oval hollow sections [Technical note]	7	35
	BIM - at the tipping point?	3	31		Structural Awards '08	22	25
	BIM by the back door	13	18	Stairs	Designing a glass spiral staircase	8	23
	Exploring the design possibilities of laminated wood	3	22	Stands	Exploring the design possibilities of laminated wood	3	22
	Fire resistant design of concrete filled tubular steel columns	19	40	Status	The Structural engineer: what status? [Viewpoint]	2	20
	Footfall vibration and finite element analysis [Technical note]	3	37				
	From slide rule to Notebook	13	22	Steel	An analytical method for the design of steel frames with semi-continuous connections	3	43
	Gaining freedom to design well [interview with Francis Leung]	13	19		An analytical method for the design of steel frames with semi-continuous connections [Correspondence Online]	11	1 [Online]
	Improving bridge performance with FEA software	3	26		Behavioural characteristics and service life of cold formed sections [Technical note]	4	22
	Lessons from China earthquake	17	14		Building structures [Centenary Issue]	14	52
	Making time to be creative	13	15		Changes in retaining wall design [Technical note]	4	25
	Masonry arch bridge assessment	13	24		Composite columns - 1819 tests on concrete-filled steel tube columns compared with Eurocode 4	16	33
	Model approach to new offices	3	34		Conder: a model company [1947-1987]	10	26
	Pushing the limits in sport design	13	27		Design and construction of an environmental enclosure for a refitting dock [Devon & Cornwall Branch supplement]	1	25
	Structural BIM in action	21	16		Design for robustness of connections to concrete filled tubular columns in fire [Technical note]	19	22
	The teaching of structural analysis	22	32		Developments in steel frame joints in New Zealand [Research update]	16	20
Soil Mechanics	Foundation engineering [Centenary Issue]	14	44		Dublin conference centre	21	13
	The actual factor of safety in foundations [Centenary Spotlight]	11	8		Fire resistant design of concrete filled tubular steel columns	19	40
Solera Factory, Valencia, Spain	Structural Awards '08	22	25		Full-scale fire tests on hollowcore floors	6	33
South Africa	President's visit to South Africa	19	16		Innovative SCS system for marine and offshore applications [Research update]	12	24
	Structural engineering, mechanics and computation conference [Research update]	8	16		Materials and structural techniques [Centenary Issue]	14	118
	Volunteering in South Africa	16	23		New tower for Canary Wharf	12	28
	What do the Eurocodes mean for South Africa? [Report on South African Eurocodes Summit]	6	27		Numerical validation of simplified theories for design rules of transversely stiffened plate girders	21	37
Space Frames	Long-span structures: the search for structural efficiency [Centenary Issue]	14	72		Seismic design of tall buildings [Viewpoint]	22	23
Spain	Study of historic rammed earth structures in Spain and India [Rowen Travel Award winning entry 2006]	2	26		Simplified expressions for compression and bending [Technical note]	21	24
Spalling	Reinforced concrete structures in fire: a review of the current rules	19	33		Steel bridges enable innovation	5	32
Specifications	Concrete compressive strength testing – is the industry getting it right? [Viewpoint]	23/24	43		Steel use in offsite construction	21	20
Spire of Hope, St Anne's Cathedral, Belfast, Northern Ireland	Structural Awards '08	22	25		Stonecutters bridge	5	30
					Structural BIM in action	21	16
					Supporting Westcroft Bridge	5	34
					The Eurocodes: why? what? when? [Briefing No.10]	10	22
Sponsorship	Investing in the future	7	28	sustainable construction	The Genesis Project: demonstrating	9	39
	Nurturing graduate talent	7	24		The Savill Garden gridshell: design and construction	17	27
Springhill Shopping Centre, Bangor, Northern Ireland	Young Members' talent on show [Young Members]	4	16		The structure of the new headquarters for the Hong Kong & Shanghai Banking Corp., Hong Kong [Centenary Spotlight]	12	18
St David's Shopping Centre, Cardiff, Wales	Precast cladding for retail therapy	23/24	26		The use of riveting in the refurbishment of Hercilio Luz Bridge, Brazil	21	33
St Pancras Station, London	Refurbishment of St Pancras: justification of cast iron columns	11	28	Stiffeners	Universal beams and their application [Centenary Spotlight]	22	18
	Structural Awards '08	22	25		Numerical validation of simplified theories for design rules of transversely stiffened plate girders	21	37
Stability	Designing a glass spiral staircase	8	23	Stiffness	An analytical method for the design of		
	Tall buildings: commerce or sculpture?						

	steel frames with semi-continuous connections [Correspondence Online]	11	1 [Online]		engineer [Kenneth Severn Award 2008 winner]	16	16
Stone	Precast cladding for retail therapy	23/24	26		Experiences of a contractor's structural engineer [Centenary Issue]	14	26
	Replacing a rose window [Edited extract from Michael Horne Prize report]	16	25		Foreword [Centenary Issue]	14	5
Stonecutters Bridge, Hong Kong					From slide rule to Notebook	13	22
	Stonecutters bridge	5	30		Gaining freedom to design well [interview with Francis Leung]	13	19
Strain					Nurturing graduate talent	7	24
	Refurbishment of St Pancras: justification of cast iron columns	11	28		Professional Conduct Committee [Briefing]	6	29
					Structural engineering in the ecological age of civilisation [Centenary Issue]	14	130
	Testing and monitoring of structures: traps for the unwary [Viewpoint]	20	22		The development of the consulting profession [Centenary Issue]	14	20
Straw Bales	The Genesis Project: demonstrating sustainable construction	9	39		The future for structural engineers: challenges and opportunities [Centenary Issue]	14	142
Strength					The Structural engineer: what status? [Viewpoint]	2	20
	Comparing reinforcement detailing provisions in EC 2 & BS 8110 - Part 1: Contribution of hooks and bends to anchorage	16	27		The structural engineer as artist [Centenary spotlight]	19	15
					Visions of the future [Centenary Conference]	4	13
	Composite columns - 1819 tests on concrete-filled steel tube columns compared with Eurocode 4	16	33		Whole-life carbon footprinting [Viewpoint]	6	15
Strengthening				Structural Mechanics	Structural engineering, mechanics and computation conference [Research update]	8	16
	Concrete cover separation failure in near-surface mounted CFRP strengthened concrete structures [Technical note]	4	19		The ascent of structural mechanics [Centenary Issue]	14	106
Stress				Structures	Exciting times for research [Research update]	20	25
	Refurbishment of St Pancras: justification of cast iron columns	11	28		Paradigms, revolutions and models: some insights from Thomas Kuhn for an engineering outlook	2	33
Stress Laminated Timber					Power and industry [Centenary Issue]	14	64
	Modern timber bridges - an international perspective [Pai Lin Li Travel Award 2007]	18	26		Structural risk: addressing the issues [Report on special edition of ICE Proceedings]	15	16
Structural Analysis					Testing and monitoring of structures: traps for the unwary [Viewpoint]	20	22
	Supporting Westcroft Bridge	5	34				
	The ascent of structural mechanics [Centenary Issue]	14	106				
	The teaching of structural analysis	22	32				
Structural behaviour				Studs	Strength and ductility of headed stud connectors welded in modern profiled steel sheeting [Correspondence Online]	4	2 [Online]
	Improving bridge performance with FEA software	3	26		Upheaval buckling behaviour of blinding struts [Research update]	15	27
Structural Engineer				Struts			
	A Message from the President [Centenary Issue]	14	7		Students get hands on challenge [Constructionarium]	12	20
I				Students	Young Members' talent on show [Young Members]	4	16
	Foundation engineering [Centenary issue]	14	44				
				Submarines	Design and construction of an environmental enclosure for a refitting dock [Devon & Cornwall Branch supplement]	1	25
	Searching The Structural Engineer archive [IT Note]	5	28				
	The Institution and the journal [Centenary Issue]	14	14				
				Supermarkets	Exploring the design possibilities of laminated wood	3	22
	The Structural Engineer Awards	12	15				
				Suspension Bridges	Bridges - spanning art and technology [Centenary Issue]	14	82
	The structural engineer as artist [Centenary spotlight]	19	15		The use of riveting in the refurbishment of Hercilio Luz Bridge, Brazil	21	33
Structural Engineering					Young Members' talent on show [Young Members]	4	16
	A message from the President [Centenary Issue]	14	7				
				Sustainability	Capital vs lifecycle vs whole-life costs [Sustainability Briefing No.2]	12	22
	Beijing Olympics: an update	2	16		Home Office goes green	20	15
					How to carry out a carbon impact assessment of a structural consultancy office [Sustainability Briefing No.4]	19	12
	Creating a winning design [Young Members]	5	24		In touch with wood 2008 [Report]	17	17
					Materials and structural techniques [Centenary Issue]	14	118
	Foundation engineering [Centenary Issue]	14	44		Research goes underground	12	26
					Site waste management plans [Sustainability Briefing No.5]	21	10
	Pitchers of Hong Kong [Report]	5	21		Structural Awards '08	22	25
					Structural engineering in the ecological age of civilisation [Centenary Issue]	14	130
	Safety risk and failure: the management of uncertainty [Centenary Issue]	14	100		Sustainability tops agenda [Concrete		
	Structural Awards '08	22	25				
	Structural engineering, mechanics and computation conference [Research update]	8	16				
	The call of the wild: the next 100 years [Centenary Issue]	14	146				
	The development of the consulting profession [Centenary Issue]	14	20				
[							
	The Institution and the journal Centenary Issue]	14	14				
	Unseen hands on display [Centenary]	5	15				
	Unseen hands take centre stage [Report]	8	14				
	Yorkshire Branch celebrates the Centenary [Yorkshire Branch Supplement]	11	40				
Structural Engineers							
	BIM by the back door	13	18				
	Changes to the Associate Membership Examination	16	14				
	Changing the perception of the structural						

	Communications Conference 2008]	23/24	37		for design rules of transversely stiffened plate girders	21	37			
	The Genesis Project: demonstrating sustainable construction	9	39		Refurbishment of St Pancras: justification of cast iron columns	11	28			
	The whole building approach to sustainable design	9	22		Shear design of concrete structures	10	32			
	Visions of the future [Centenary Conference]	4	13		Strength and ductility of headed stud connectors welded in modern profiled steel sheeting [Correspondence Online]	4	2 [Online]			
	What is embodied carbon? [Sustainability Briefing No.3]	16	13		Testing and monitoring of structures: traps for the unwary [Viewpoint]	20	22			
	What is sustainability? [Sustainability Briefing No.1]	9	18		The structure of the new headquarters for the Hong Kong & Shanghai Banking Corp., Hong Kong [Centenary Spotlight]	12	18			
Swimming Pools	Structural Awards '08	22	25		Upheaval buckling behaviour of blinding struts [Research update]	15	27			
Sydney Opera House, Australia	Sydney Opera House [Centenary Spotlight]	13	12	Thomas Deacon Academy, Peterborough	Structural Awards '08	22	25			
<b>T</b>										
Tameer Towers, Abu Dhabi	Innovative use of conventional structural principles in Middle East construction	23/24	32	Three Gardens, Elmswell, Suffolk	The whole building approach to sustainable design	9	22			
Tanks	Young Members' talent on show [Young Members]	4	16	Tietz, Stefan	The structural engineer: what status? [Viewpoint]	2	20			
Taw Bridge, Barnstaple, Devon	Taw Bridge, Barnstaple - design and construction [Devon & Cornwall Branch paper]	1	31	Timber	Design methods for domestic floors constructed using engineered joists	17	36			
Teaching	Students get hands on challenge [Constructionarium]	12	20		Exploring the design possibilities of laminated wood	3	22			
	Supporting research and teaching of concrete in the UK	7	41		In touch with wood 2008 [Report]	17	17			
	The teaching of structural analysis	22	32		Maintaining our heritage	11	20			
Teams	Observations of a projects engineer [Gold Medal Address 2008]	13	31		Modern timber bridges - an international perspective [Pai Lin Li Travel Award 2007]	18	26			
					Norwich Cathedral embraces oak	17	20			
Technician Engineers	Why become a Technician member of IStructE? [Viewpoint]	16	12		Structural Awards '08	22	25			
					The Genesis Project: demonstrating sustainable construction	9	39			
Technology	Bridges - spanning art and technology [Centenary Issue]	14	82	Toilets	Volunteering in South Africa	16	23			
				IStructE Centenary: events that shaped the world of 1908	1	6	Torsion	Simplified expressions for compression and bending [Technical note]	21	24
				The call of the wild: the next 100 years [Centenary Issue]	14	146	Towers	Innovative use of conventional structural principles in Middle East construction	23/24	32
Terminal 5, Heathrow Airport, London	Structural Awards '08	22	25		Visions of the future [Centenary Conference]	4	13			
Testing	Composite columns - 1819 tests on concrete-filled steel tube columns compared with Eurocode 4	16	33	TRADA	In touch with wood 2008 [Report]	17	17			
				Training	Earthquake resistant design practice and research in India [Research update]	6	22			
	Concrete compressive strength testing - is the industry getting it right? [Viewpoint]	23/24	43		Investing in the future	7	28			
	Concrete cover separation failure in near-surface mounted CFRP strengthened concrete structures [Technical note]	4	19		Knowledge, experience, education and training [Centenary Issue]	14	32			
	Criteria for structural failure of rc beams without transverse reinforcement	23/24	55		Nurturing graduate talent	7	24			
	Design methods for domestic floors constructed using engineered joists	17	36	Transfer Structures	The Eurocodes: why? what? when? [Briefing No.10]	10	22			
	Designing a glass spiral staircase	8	23	Transport	New tower for Canary Wharf	12	28			
	Development of advanced concrete materials for anti-terrorism applications [Technical note]	19	28		How to carry out a carbon impact assessment of a structural consultancy office [Sustainability Briefing No.4]	19	12			
	Developments in steel frame joints in New Zealand [Research update]	16	20	Tri Countries Bridge, Weil Am Rhein, Germany	Structural Awards '08	22	25			
	Earthquake resistant design practice and research in India [Research update]	6	22	Trinidad & Tobago	A Caribbean journey [Report]	23/24	23			
	Fire resistant design of concrete filled tubular steel columns	19	40	Trusses	Hotel atrium challenge	8	19			
	Hard and fast facts of waterproof concrete [Technical note]	23/24	44		Maintaining our heritage	11	20			
Industrial floor design, construction and testing [Rowen Travel Award 2006 Third paper]	8	29	Tsang, Donald	Turning ideas into reality [Report: Centenary Conference]	3	14				
Investigation into structural behaviour of stainless steel oval hollow sections [Technical note]	7	35	Tsunamis	Tsunami recovery: the lessons [Viewpoint]	22	20				
Model and Full Scale Testing Awards 2008	22	13	<b>U</b>							
Numerical validation of simplified theories			Ulster Museum, Cultra, Northern Ireland	Young Members' talent on show						

	[Young Members]	4	16				
Undergraduates	Investing in the future	7	28	Vulcan House, Sheffield	Home Office goes green	20	15
United Kingdom	Experiences of a contractor's structural engineer [Centenary Issue]	14	26	<b>W</b> Walking	Footfall vibration and finite element analysis [Technical note]	3	37
	Industrial floor design, construction and testing [Rowen Travel Award 2006 Third paper]	8	29	Walls	The Genesis Project: demonstrating sustainable construction	9	39
	Power and industry [Centenary Issue]	14	64	Waste Management	Site waste management plans [Sustainability Briefing No.5]	21	10
	Prefabricated earth constructions in the UK and Europe [Pai Lin Li Travel Award 2007]	18	32	Waterproofing	Hard and fast facts of waterproof concrete [Technical note]	23/24	44
	Radon: risk and regulations	15	20	Webs	Numerical validation of simplified theories for design rules of transversely stiffened plate girders	21	37
	Recycling and reuse of waste in the construction industry [Rowen Travel Award 2006]	4	32	Websites	Searching The Structural Engineer archive [IT Note]	5	28
	Structural design and the Eurocodes: a historical review	20	29		The Eurocodes: why? what? when? [Briefing No.10]	10	22
	The Eurocodes: why? what? when? [Briefing No.12]	22	14		The Eurocodes: why? what? when? [Eurocodes - Preparing for 2010]	6	26
	The challenge of offshore structures	20	19				
	The teaching of structural analysis	22	32				
	Whole-life carbon footprinting [Viewpoint]	6	15				
Universal Beams	Universal beams and their application [Centenary Spotlight]	22	18				
Universities	Beijing Olympics: an update	2	16	Wellington Park Apartments, Belfast, Northern Ireland	Young Members' talent on show [Young Members]	4	16
	Improving bridge performance with FEA software	3	26	Wembley Stadium, London	Structural BIM in action	21	16
	Nurturing graduate talent	7	24	Wessex Water Operations Centre, Bath	The whole building approach to sustainable design	9	22
	Supporting research and teaching of concrete in the UK	7	41	Westcroft Bridge, Milton Keynes	Supporting Westcroft Bridge	5	34
	The teaching of structural analysis	22	32	Westminster Bridge, London	Structural Awards '08	22	25
	Young Members spread the word [StructE Young Members' Panel]	7	22	Wexford County Council Offices, Ireland	The whole building approach to sustainable design	9	22
University of Cambridge	Exciting times for research [Research update]	20	25	Whole Life Costs	Capital vs lifecycle vs whole-life costs [Sustainability Briefing No.2]	12	22
University of East London	Students get hands on challenge [Constructionarium]	12	20	Williams, Owen	The Development of the consulting profession [Centenary Issue]	14	20
University of Plymouth	Increasing female participation in engineering education - initiatives at The University of Plymouth [Devon & Cornwall Branch paper]	1	28	Wind Loads	The Eurocodes: why? what? when? [Briefing No.12]	22	14
Urban Development	Visions of the future [Centenary Conference]	4	13	Windows	Replacing a rose window [Edited extract from Michael Horne Prize report]	16	25
USA	Modern timber bridges - an international perspective [Pai Lin Li Travel Award 2007]	18	26	Women	Increasing female participation in engineering education - initiatives at The University of Plymouth [Devon & Cornwall Branch paper]	1	28
<b>V</b>					Knowledge, experience, education and training [Centenary Issue]	14	32
Venetikos Bridge, Greece	Venetikos bridge, Greece	23/24	28		Nurturing graduate talent	7	24
Viaducts	Testing and monitoring of structures: traps for the unwary [Viewpoint]	20	22		President's visit to South Africa	19	16
Vibration	Design methods for domestic floors constructed using engineered joists	17	36		The President's year [Interview with Sarah Buck]	23/24	15
	Footfall vibration and finite element analysis [Technical note]	3	37				
	Footfall vibration and finite element analysis [Correspondence Online]	11	3 [Online]				
Victoria & Albert Museum, South Kensington, London	Unseen hands on display [Centenary]	5	15	WSP	Gaining freedom to design well [interview with Francis Leung]	13	19
	Unseen hands take centre stage [Report]	8	14	<b>Y</b> Young People	The Educational Trust	20	13
Victoria Square, Belfast, Northern Ireland	Young Members' talent on show [Young Members]	4	16	Young Structural Engineer Of The Year Award	Young Structural Engineer of the Year Award 2008: the one to watch	10	16
Visitor Centres	The Savill Garden gridshell: design and construction	17	27	<b>Z</b> Zinc	Behavioural characteristics and service life of cold formed sections [Technical note]	4	22
Visits	Young Members spread the word [StructE Young Members' Panel]	7	22				
Voluntary Work	Volunteering in South Africa	16	23				
Von Terzaghi, Karl	Foundation engineering [Centenary Issue]	14	44				