



LSAA

LIGHTWEIGHT STRUCTURES ASSOCIATION OF AUSTRALASIA

2000 Design Awards

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LSAA 2000 Design Awards

The Lightweight Structures Association of Australasia (LSAA) is pleased to announce the entrants and winners of the LSAA 2000 Design Awards. The Awards were presented at a ceremony during the Conference dinner of the 2000 LSAA Conference 'The Lightweight Challenge' held in Auckland, New Zealand, February 2000.

The Awards are held biennially to recognise excellence in the design, construction and application of lightweight structures. It was heartening to receive entries from many parts of Australia and New Zealand, ranging from the temporary to the permanent, the large to the small and including a wide variety of materials, structural systems and visual stories.

The Association is an autonomous, inter-disciplinary group of interested parties involved in the field of lightweight structures with the aim of promoting the proper application of lightweight structures: their design, fabrication, construction and materials and the development of these and other aspects particular to lightweight structures.

On behalf of the Association, I would like to gratefully acknowledge the sponsorship of Mehler Haku GmbH, Indtex Australia Pty Ltd and Ronstan International Pty Ltd to enable us to run these Awards. Also many thanks to the judging panel - Gabriel Poole, Ross McDonald and Richard Hyde - for their professional and valued contribution. Lastly, thanks to Joseph Dean and Wade Consulting Group for their superb effort in handling the organisation of the Awards and this brochure.

Malcolm Barr

Malcolm Barr
LSAA President

Judges Remarks

Large Structures - Winner: Railway Square, Sydney, NSW (Glazed Canopies). A finely detailed tectonic structure. Excellent urban concept, differentiating from existing buildings giving a strong sense of focus.

The visual simplicity of the structure is achieved without cross-bracing using an innovative system.

Medium Structures - Winner: Forestry Tasmania Headquarters, 79 Melville Street, Hobart, TAS (Glazed Dome). The lightweight timber structure gives a sense of warmth and lightness. This structure has an excellent synthesis with the existing buildings. A craftsman-like approach is taken to the detailing of composite elements.

Small Structures - Winner: 60 Castlereagh Street, Sydney, NSW (Glass Feature Walls). Innovation in the detailing of the glass wall. The aesthetic content of the glass wall connected well with the canopy/interior design of the foyer. Overall context - excellent.

Medium Structures - Citation of Merit: The Scientia Foyer, University of NSW, Kensington, NSW. An exciting visual statement utilising a number of lightweight structural concepts and principles to give a transparency envelope. The detailing is highly worked and articulates the method of construction.

Small Structures - Citation of Merit: Inveresk Round House, Inveresk Railyards, Launceston TAS. Striking form, a good logical way of achieving climate responsive design and integrating the structure with the existing buildings. The minimalistic approach to bracing the rear walls is elegantly achieved.

Special Applications - Citation of Merit: Hong Kong Institute of Education, Tai Po, N.T. Hong Kong (Removable Canopy). An excellent example of a tension structure revitalising an external space. A minimum of materials are used and with efficient design of the structural systems to meet the design loads. Very well integrated with existing buildings.

Special Applications - Citation of Merit: Fox Studios Parade Ring, Fox Studios, Sydney NSW (Inverted Cones/Collapsible Demountable). Theatrical use of tension structures with a high degree of demountability. Gives the appearance of permanency but can be demounted quickly.

Awards for Excellence



Winner Large Structures Connell Wagner Pty Ltd - Railway Square, Sydney NSW
(Glazed Canopies)



Winner Medium Structures
Morris-Nunn & Associates Pty Ltd - Forestry
Tasmania Headquarters, Hobart TAS
(Glazed Dome)



Winner Small Structures
Connell Wagner Pty Ltd - 60 Castlereagh
Street, Sydney NSW (Glass Feature Walls)

Citations of Merit



Citation Medium Structures
Taylor Thomson Whitting Pty Ltd
-The Scientia Foyer, University of NSW



Citation Small Structures
Morris-Nunn & Associates Pty Ltd
-Inveresk Round House, Inveresk Railyards
Launceston TAS



Citation Special Applications
Shade Structures Pacific Pty Ltd
-Fox Studios Parade Ring, Sydney NSW
(Inverted Cones/Collapsible Demountable)



Citation Special Applications
Structurflex Limited
-Hong Kong Institute of Education
Tai Po, N.T. Hong Kong
(Removable Canopy)

Entries - Large Structures



Sydney Superdome, NSW



Railway Square, Sydney NSW (Glazed Canopies)

Entries - Medium Structures



Forestry Tasmania Headquarters, Hobart TAS



Olympic Amenities Building, NSW



Aluminium Factory, China



Warringah Shopping Mall, Stage 1, Sydney NSW



Inverell Shire Council Heated Pool (Enclosure)



The Scots PGC College Dining Hall, QLD



The Scientia Foyer, University of NSW



Tennis SA Stadium (Upgrade)

Entries - Small Structures



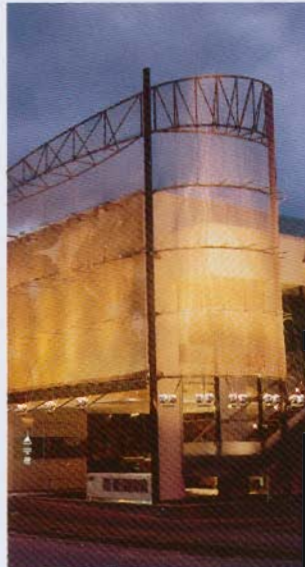
Kennyland, Dreamworld QLD



Inveresk Round House, Launceston TAS



Zenith Centre NSW
(Canopy)



Mirvac Display Suite VIC



60 Castlereagh Street, Sydney NSW
(Glass Feature Walls)



Royal Botanic Gardens Observatory NSW
Visitors Entry Gate (Canopy)



Auckland International Airport, NZ

Entries - Special Applications



Fox Studios Parade Ring, NSW (Demountable)



Hong Kong Institute of Education (Canopy)

Project Team Members

ENTRANT	PROJECT	ARCHITECT	STRUCTURAL ENGINEER	SPECIALIST CONSULTANT	BUILDING CONTRACTOR
Large Structures					
Taylor Thomson Whitting Pty Ltd	Sydney Superdome	Cox Richardson	Taylor Thomson Whitting Pty Ltd	Transfield Construction Beenleigh Steel	Abigroup Contractors
Connell Wagner Pty Ltd	Railway Square, Sydney Glazed Canopies	Noel Bell Ridley Smith & Partners	Connell Wagner Pty Ltd		Belmadar Constructions Pty Ltd
Medium Structures					
Morris-Nunn & Associates Pty Ltd	Forestry Tasmania Headquarters, Hobart Glazed Dome	Robert Morris-Nunn	James Gandy - Gandy & Roberts Pty Ltd	Euting Extrusion Design Hortus Design Tas Timber Engineering Barranger Glass	Laver Pty Ltd
Shade Structures Pacific Pty Ltd	Olympic Amenities Buildings B2, B3, P4	Durbach Block Murcutt	Ove Arup & Partners Pty Ltd	Wade Consulting Group Pty Ltd	Commercial Building Group (CBG) Pty Ltd
Craig Fyall Consulting Australia Pty Ltd	Aluminium Factory in China	Bosco Seeto & Associates	Scott Wilson Irwin Johnston Pty Ltd		Craig Fyall Consulting Australia Pty Ltd
Permafab Pty Ltd	Warringah Shopping Mall, Stage 1	Roger Thrum & Associates Pty Ltd	Hyder (Australia) Pty Ltd	Bond James Norrie Marsden	John Holland Constructions & Engineering Pty Ltd
Tasbeam Pty Ltd	Inverell Shire Council Heated Pool Enclosure	Inverell Shire Council	Mark Bateman & Associates Pty Ltd	Tasbeam Pty Ltd	Inverell Shire Council
Tasbeam Pty Ltd	The Scots PGC College Dining Hall	Fulton Trotter & Moss Pty Ltd	Mark Bateman & Associates Pty Ltd	Ashburner Francis Alexander Browne Cambridge & Partners Pty Ltd Tasbeam Pty Ltd	The Scots PGC College
Taylor Thomson Whitting Pty Ltd	The Scientia Foyer University of NSW	Mitchell Giurgola & Thorp Pty Ltd	Taylor Thomson Whitting Pty Ltd	Egis Barry Webb & Associates Oliver Davey	Lend Lease
Connell Wagner Pty Ltd	Tennis SA Stadium Upgrade	Hassell Architects Pty Ltd	Connell Wagner Pty Ltd	SAMARAS Group	Kennett Pty Ltd
Small Structures					
Arran Construction Australia Pty Ltd	Kennyland Dreamworld QLD	Arran Construction Australia Pty Ltd	Wade Consulting Group Pty Ltd		Arran Construction Australia Pty Ltd
Morris-Nunn & Associates Pty Ltd	Inveresk Round House Inveresk Railyards TAS	Robert Morris-Nunn	James Gandy - Gandy & Roberts Pty Ltd		Crisp Brothers Pty Ltd
Bligh Tanner Pty Ltd	Zenith Centre Canopy	Dalton & Associates	Bligh Tanner Pty Ltd		Membrane Structures
Connell Wagner Pty Ltd	60 Castlereagh Street, Sydney Glass Feature Walls	Scott Carver	Connell Wagner Pty Ltd	McClelland Associates G James Glass & Aluminium Aluminium Business Resources Australia	Walter Constructions Pty Ltd
Skyspan (Pacific) Pty Ltd	Mirvac Display Suite	David Radford, HPA Architects	Peter Bowtell, Andrew Henry, Ove Arup & Partners	Skyspan (Pacific) Pty Ltd (formally Spacetech) Melwire Ronstan International Pty Ltd Shelford Engineering	Skyspan (Pacific) Pty Ltd (formally Spacetech)
Ronstan International Pty Ltd	Royal Botanic Gardens Observatory Visitors Centre Entry Gate Canopy	Peter Elliott Pty Ltd Architects	Ove Arup & Partners	Sailon Engineering Ronstan International Pty Ltd	L.U. Simon Builders
Structurflex Limited	Auckland International Airport	Stephenson & Turner	Beca Carter Holdings & Ferner Limited	Wade Consulting Group Pty Ltd Compusoft Engineering Holmes Consulting Group Dixon & Haddon Structural Steel Ltd	Hawkins Construction Ltd
Special Applications					
Shade Structures Pacific Pty Ltd	Fox Studios Parade Ring Inverted Cones/ Collapsible Demountable	Hassell Architects Pty Ltd	Shade Structures Pacific Pty Ltd	Shade Structures Pacific Pty Ltd	Lend Lease Projects
Structurflex Limited	Hong Kong Institute of Education Removable Canopy	P&T Architects & Engineers Ltd.	Ove Arup & Partners Hong Kong Ltd	Wade Consulting Group Pty Ltd	Shui On Construction

RONSTAN
Architectural Rigging Systems

Ronstan International Pty Ltd
220 Bay Road, Sandringham
VIC 3191 Australia
Tel 03 9598 9588 Fax 03 9597 0283
ronsmelb@ronstan.com.au

LSAA 2000 Design Awards
Convener: Joseph Dean

Wade
CONSULTING GROUP

Wade Consulting Group Pty Ltd
12 Floor, 1411 Queen Street
Brisbane, Qld Australia 4000
Tel +617 3229 1183
Fax +617 3221 7088
Email mail@wadeconsult.com

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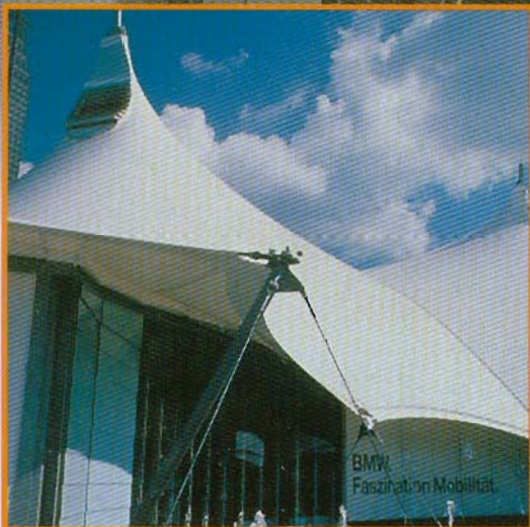
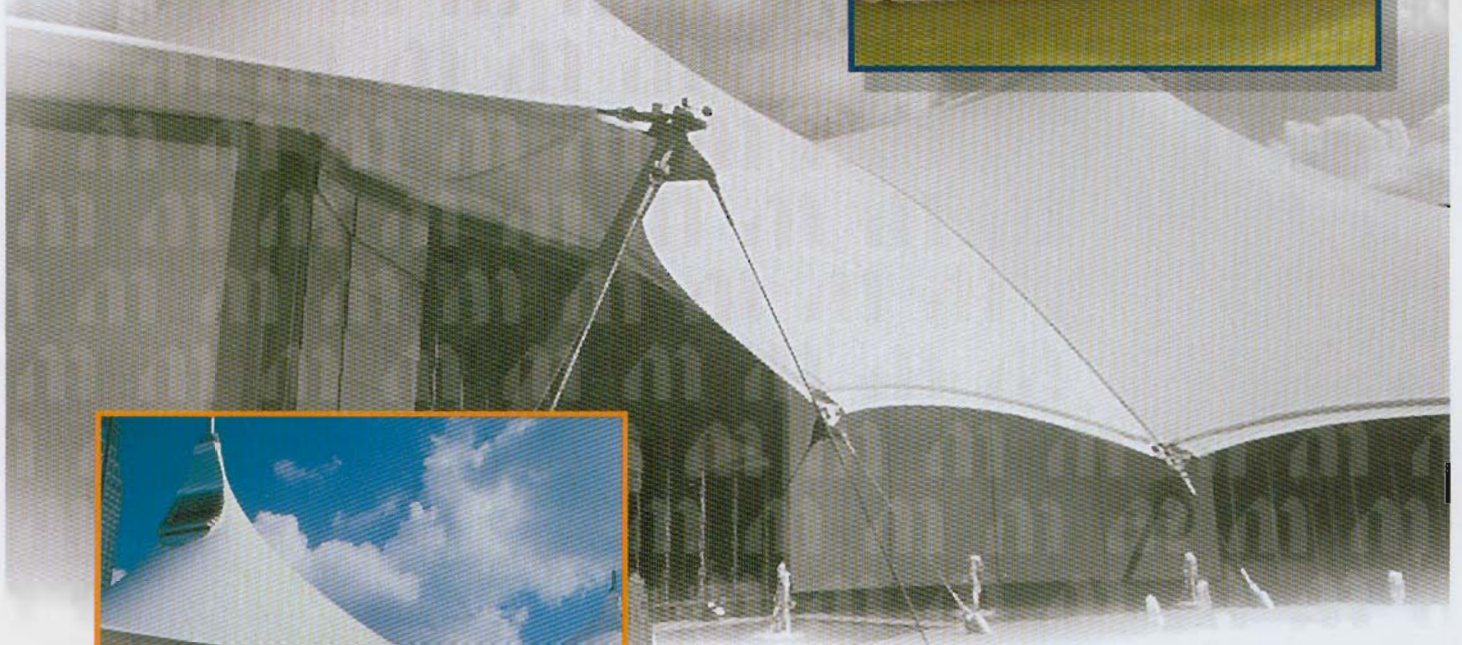
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Rheinstrasse 11
D-41836 Huckelhoven
Tel +49 (0)2433 4590
Fax +49 (0)2433 459172

www.mehlerhaku.de
email info@mehlerhaku.de

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4 Kembla Street
Cheltenham VIC 3192
Tel 03 9585 1730
Fax 03 9585 1737

email indtex@ozemail.com.au