



Connecting to Tomorrow

#

#

CONFERENCE THEME

In the modern world of lightweight structures, we often find ourselves at the crossroads of architectural trends. Digital transformation offers us ground-breaking pathways to innovate on novel platforms in strange new ways, with the rise of AI asking us to rethink all we knew. A climate-crisis-driven focus on sustainability has asked us to consider our impact on the world around us through smart materials and biophilic urbanism. And new human-centric approaches to our fields have offered up frameworks spanning vast disciplinary bounds to tackle our world's most pressing problems.

Today's world must seize hold of all these new trends. Held on September 12 and 13 in Melbourne Australia, the LSAA 2024 Conference and Design Awards will spearhead the industry's approach to all these vital challenges under the banner of *'Connecting to Tomorrow'*.

The theme seeks to encompass all the connections that will make up tomorrow's lightweight structures fields – connections to technology, to environment and to each other. Featuring the world leaders in the field of lightweight structures, this conference stands at an inflection point, seizing the vast opportunity to deal with these crucial issues as we build tomorrow's world, today.

#

Connecting to Tomorrow

#

DAY 1, Thursday 12th September 2024

AMDC301 (Lecture Hall), Advanced Manufacturing & Design Centre, Level 3, 5 Hawthorn Campus, 453 Burwood Road, Hawthorn

Start	Session: Activity, Presentation	Speaker / Chair
08.00	Registrations	
S1D1	Day 1 Keynote Address	Chair – P Lim
09.20	Conference Welcome	LSAA (P Lim – President) & Swinburne Uni (Prof Blair Kuys - Dean School of Design & Architecture)
09.30	Platinum Sponsor Welcome	
09.35	?	Alastair Richardson – Cox
10.30	Morning Tea	
S2D1	Challenges	Chair -
11.00	Pathways towards zero carbon for tension membrane architecture (via zoom)	Bruce Danziger (Danziger Engineering Collaborative Inc)
11.30	?	Jane Nixon (Arup)
11.55	? The journey and tools of parametric design and detailing to fabrication	James Marr (Tensys)
12.20	Lunch & Networking	Sky Lounge
S3D1	Project Focus	Chair -
13.30	Gold Sponsor Welcome	
13.35	Surbana Jurong Cable Net ETFE Project, Singapore	Rowan Murray (Ronstan) & Angus Macleod (VF)
14.00	?	David Gullis Fabritecture
14.25	Lake Macquarie Project	Tom Gastin (Pattons)
14.50	?	Martin Eddleston (MakMax)

#

LSAA 2024 Conference & Design Awards

Connecting to Tomorrow

E: office@lsaa.org

Connecting to Tomorrow

#

Start	Session: Activity, Presentation	Speaker / Chair
15.15	Afternoon Tea	
S4D1	Student Competition Award	Chair -
15.45	Student Competition Sponsor Welcome	
15.50	Student Competition Review & Award	Student Competition Committee
16.10	Team 01 Presentation - Winner	Swinburne/RMIT/Uni of Melb
16.25	Team 02 Presentation	Swinburne/RMIT/Uni of Melb
16.40	Team 03 Presentation	Swinburne/RMIT/Uni of Melb
16.55	Close Day 01	

Pre-dinner drinks & Design Awards Conference Dinner

Dress Code: Smart Casual

Venue - Sky Lounge AMDC Building

Time - 6.30pm for 7.00pm

Welcome

Peter Lim (President -LSAA)

Professor Blair Kuys (Dean School of Design & Architecture)

Professor Emad Gad (Dean School of Engineering)

Dinner Address by

? Professor Mark Burry AO (Swinburne Smart Cities Research Institute)

Master of Ceremonies

(Robert Cahill LSAA & ? Sofia Colabella)

#

Connecting to Tomorrow

#

DAY 2, Friday 13th September 2024

AMDC301 (Lecture Hall), Advanced Manufacturing & Design Centre, Level 3, 5 Hawthorn Campus, 453 Burwood Road, Hawthorn

Start	Session: Activity, Presentation	Author / Chair
08.30	Registration & Networking	
S1D2	Day 2 Keynote Address	Chair – P Lim
09.25	Conference Day 2 Welcome	LSAA (P Lim – President) & Swinburne Uni (Prof Emad Gad Dean School of Engineering)
09.35	The Art of Living Lightly	Rachaporn Choochuey Design Director of all(zone) & Visiting Professor at Columbia University Graduate School of Architecture, Planning and Preservation, USA
10.30	Morning Tea	
S2D2	Expositions & New Approaches	
11.00	Gold Sponsor Welcome	
11.05	? World Expo 2025, Osaka Kansai overview	? check with Prof Kenichi Kawaguchi on possible speaker
11.35	? Knitted Architecture	Leanne Zilka & Jenny Underwood (RMIT)
12.00	?	Andrew Lingman – Baytex NZ
12.25	Lunch & Networking	Sky Lounge
S2D3	Research & Development	
13.30	AI + sustainability	? Swinburne
13.55	AI + sustainability	? Stanislav Roudavski (UoM)
14.20		? Trimble Technology Lab? Swinburne?
14.45	Acoustics & tensile structures	? Alberto Pugnale (UoM)
15.10	Afternoon Tea	
15.40	Tour of Swinburne Laboratories – Digital Construction Lab Trimble Lab Prototype Lab	1 hour tour (teaser to be shown during lunchtime on main screens)
16.50	Conference Close	LSAA & Swinburne

#

LSAA 2024 Conference & Design Awards

Connecting to Tomorrow

E: office@lsaa.org