

Design Beyond

Boundaries

The Intersection of
Architects & Engineers
LSAA Conference &
Design Awards
September 1–2, 2016

Keynote Speakers

Nicholas Goldsmith Senior Principal FTL
Design Engineering Studio, New York.

Ron van Sluijs – Associate Principal Populous,
Brisbane

Special Screening

Frei Otto: Spanning the Future – The Evolution of
Tensile Membrane Architecture, a film by Simon K.
Chiu, Michael Paglia and Joshua V. Hassel.

Venue

Monash University
Art Design & Architecture
Caulfield Campus
Building G, Theatre 1.04
900 Dandenong Road
Caulfield Victoria, Australia

Fees (\$AUD)

LSAA Members \$750
Non LSAA Members \$850
Full time students \$75
Public Lecture Nicholas Goldsmith
'From Mass to Membrane' \$20

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Design Beyond Boundaries remembers the work and influence of Frei Otto, the brilliant German Engineer and Architect who developed designs and concepts using forms and materials that were generally beyond the previous experience of both engineers and architects of the day. Frei Otto passed away in 2015 having redefined the juncture of architecture and engineering.

The conference explores current approaches and tools used in the design of the minimalistic forms found in tensioned lightweight structures (for example fabric membranes, cable nets and timber grid shells). It will examine how they have evolved over the years from experimental physical models using stockings, lycra or soap films through to computer generated 3D virtual structures.

Beauty of architecture, efficiency of structural form and appropriateness of material use were fundamentals of Otto's work. This conference will highlight a selection of current Australian projects. These presentations have been tailored to provide an in-depth view into the design challenges, approaches and solutions adopted.

The Conference Workshop questions whether design tools have progressed significantly, and more importantly, will leave delegates with an appreciation of the roles both physical and 3D virtual modelling will play in solving complex design challenges into the future.

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