

# WILLIAM FEUERMAN

## Mechanics of Visual Perception

2012 | *UTS DAB Research Lab*

Drawing on the seminal work of architects such as Bernard Tschumi (for example, his 1976 *Screenplays* and 1978 *Manhattan Transcripts*), it explored the ways that architectural drawing methods and processes can be used as generative tools for design. It specifically investigated the spatial insights that arise from distorted vision and altered perceptual relationships.

In 2007, Feuerman suffered from an acute, isolated stroke that temporarily affected his vision and understanding of perceptual fields. His subsequent work explores how the ‘new ways of seeing’ generated from this experience can be translated into modes of architectural representation such as dynamic visual surfaces and installations that challenge everyday spatial perceptions.

The small exhibition space was designed to disturb; to place participants in a world of distortions, reflections, moirés, and soundscapes. Documentation - such as collages and architectural diagrams - was extended into speculations about new spatial environments and new architectures that support and transform our understanding of the seen and unseen world.

*Mechanics of Visual Perception* (30 October - 2 November, 2012) was selected for inclusion in the 2012 Sydney Architecture Festival.

*Image of work, detail*

**WILLIAM FEUERMAN**  
Mechanics of Visual  
Perception



Installation view



**WILLIAM FEUERMAN**  
**Mechanics of Visual**  
**Perception**

---

Installation views



**WILLIAM FEUERMAN**  
Mechanics of Visual  
Perception

---

Installation views







**WILLIAM FEUERMAN**  
Mechanics of Visual  
Perception

---

Installation view





# SYDNEY ARCHITECTURE FESTIVAL 2012

24 October – 4 November 2012

The Sydney Architecture Festival is about understanding Sydney and imagining the future of our city through its urban and built environment. The Festival invites wide participation in dialogues about the future of our metropolis.

The 2012 Sydney Architecture Festival theme, "Beyond Boundaries" will encourage attendees to form connections across the city, encouraging a mode of celebrating, enjoying and investigating architecture that is outward focussed and collaborative.

The 10-day celebration of architecture offers 70 events - many free of charge - including guided architectural tours, talks, open houses, workshops, exhibitions and panel discussions.

For more information and to book for Festival Events visit:

[www.sydneyarchitecturefestival.org](http://www.sydneyarchitecturefestival.org)



## PROGRAM DATES

Legend: D=all day, am=morning, pm=afternoon, E=evening

Dates	Time	Activity	Venue
ALL week	D	Installation: Hypersurface Architecture (24 Oct - 7 Nov)	Customs House Forecourt
	D	Exhibition: Open Agenda (24 Oct - Jan 2013)	Customs House
	D	Exhibition: Inter-action (24 Oct - 26 Nov)	Customs House
	D	Exhibition: NSW Chapter 2012 Award Winners (24 Oct - 4 Nov)	Parramatta City Library
	D	Exhibition: The Third Landscape (24 Oct - 17 Nov)	Tin Sheds Gallery
	E	Exhibition: Sydney from All Angles (Interactive, 24 Oct - 26 Nov)	Customs House
	D	Exhibition: The Mechanics of Visual Perception by William Feuerman (30 Oct - 23 Nov)	DAB Lab Research Gallery
	D	Exhibition: I Love Todd Sampson (26 Oct - 4 Nov)	The Hearth, Sydney Uni
	D	Exhibition: Swiss Position - 33 takes on sustainable approaches to building (26 Oct - 2 Nov)	Italian Institute of Culture
	D	Exhibition: BE   XSECTION   beyond boundaries (29 Oct - 4 Nov)	University of NSW
24-Oct	am	Tour: Coal Loader Centre of Sustainability at Balls Head	Coal Loader, Balls Head
	am	Tour: Sydney Architecture Walks - SAW 1: The City: Sydney	Museum of Sydney forecourt
	E	Tour: Australian Architecture Association Twilight Walk	Customs House Forecourt
	E	Launch: Festival and SuperSydney launch for all program partners (invitation only)	Tusculum
25-Oct	pm	Talk: The Great Arch - Talk by author Vicki Hastrich	Stanton Library
	E	Talk: Architecture on Show with Nick Simitzis	Penrith City Library
	E	Talk: Australian Architecture Association Black Talks - Ken Yeang	Eastern Avenue Auditorium
	E	Talk: Fugitive Structures - A short talk by Andrew Burns and Brook Andrew	SCAF
26-Oct	D	Tour: Open Studio	Participating studios
	am	Tour: This Modern Life - A historical tour of North Sydney's foreshore flats	Blues Point Reserve
	D	Tour: Annual Walking & Drive Tour by Inner West Architects Network	Various venues
	pm	Opening: Customs House will launch the SAF events on show at Customs House	Customs House
	pm	Exhibition & talk: Living Room Theatre Project	School of Architecture
	pm	Talk: Swiss Position - 33 takes on sustainable architecture by Prof Gerhard Schmitt	Istituto Italiano di Cultura
	pm	Talk: I Love Todd Sampson - Living Room Theatre project opening talk	The Hearth, Sydney Uni
27-Oct	D	Tour: 50 <sup>th</sup> Anniversary Carlingford Display Homes coach tour with Stephen Batey & guests	Tusculum
	am	Tour: Australian Architecture Association Sydney City Walk	Customs House forecourt
	am	Tour: Sydney Architecture Walks - SAW2: Utzon Tour	Opera House
	pm	Tour: Australian Architecture Association Castle Cove Walking Tour	Castle Cove
	pm	Talk: Architecture on Show with Peter Mould	Surry Hills Library
	pm	Talk: Architecture on Show with Shaun Carter and guests	Old Marrickville Town Hall
	pm	Talk: Architecture on Show with Terry Bail	Bowen Library Maroubra
	pm	Conference: The Third Landscape Forum	Tin Sheds Gallery
	pm	Workshop: Leading Creatively from the Future with Ralph Kerle	Tusculum
	pm	Kids activities: Archikidz (Sold Out)	Carriageworks
28-Oct	D	Installation: Shelter - Relief housing for communities devastated by disaster	Martin Place
	D	Tour: SAW Bike Tour - Five Suburb Sydney Derive	Courtyard nr Bonza Bikes
	am	Tour: Australian Architecture Association Redfern Walk	Redfern Post Office
	pm	Tour: Sydney Architecture Walks - Public: Art, Place, Landscape	Museum of Sydney
	pm	Talk: Architecture on Show with Peter Colquhoun and Neil Durbach	Bondi Pavilion

[sydneyarchitecturefestival.org](http://sydneyarchitecturefestival.org)

Sydney Architecture Festival 2012

## WILLIAM FEUERMAN Mechanics of Visual Perception

Supporting evidence

Sydney Architecture Festival  
program

## WILLIAM FEUERMAN

### Mechanics of Visual Perception

Supporting evidence

Sydney Architecture Festival program

## PROGRAM DATES cont'd

Date	Time	Activity	Venue
29-Oct	pm	Installation: The dismantling of the flat pack shelter installation	Martin Place
	pm	Talk: UNSW Lunchtime Talks – The Afterimage of the City	Austral Bricks Design Studio
	E	Talk: Architecture on Show with Luisa Manfredini	Mosman Library
	E	Talk: MS4A Open Conversation on Darling Harbour: Public Space, Private Interest	Powerhouse Museum
	E	Exhibition & Talk: Connecting Sydney – joining the dots	Tusculum
30-Oct	D	Other: Building Connections – Professional Learning Day for Visual Arts Teachers	MCA
	pm	Talk: UNSW Lunchtime Talks – House Buhrich 11 1972	Austral Bricks Design Studio
	pm	Talk: Architecture on Show with Anne Warr	Chatswood Library
	E	Exhibition Launch and Talk: Mechanics of Visual Perception	DAB Lab Research Gallery
	E	Talk: Nino Sydney talks on the 1960s Beachcomber House	Tusculum
	E	Talk: Architecture on Show. Sustainability Ages.	Balmain Town Hall
31-Oct	pm	Talk: UNSW Lunchtime Talks – Ethnicity: Exploring Diversity in the Suburbs of Globalised Sydney	Austral Bricks Design Studio
	E	Talk: Planning an Enduring Legacy	Tusculum
	E	Talk: Architecture on Show with Sam Crawford	Parramatta City Library
	E	Talk: Architecture on Show with Tone Wheeler	Kogarah Library
	E	Talk: Designer Suburbs at the Powerhouse Museum	Powerhouse Museum
	E	Tour: Australian Architecture Association Twilight Walking Tour	Customs House forecourt
	E	Tour: DARCH Small Bar Tour	CBD
1-Nov	pm	Talk: UNSW Lunchtime Talks – The Allegory of the Cave	Austral Bricks Design Studio
	E	Talk: A look at the Museum of Contemporary Art	MCA
	E	Other: Architectural Advocacy, Design Density Challenge at UTS	Customs House
2-Nov	pm	Talk: UNSW Lunchtime Talks – The Structural Core as Totem	Austral Bricks Design Studio
	E	Talk: Short and Sharp at The Crypt	The Crypt, St Patrick's Church
	E	Other: Sydney Open Night	CBD, Various
3-Nov	D	Other: Sydney Open, Focus Tours	CBD, Various
	am	Tour: Australian Architecture Association Sydney City Walk	Customs House forecourt
	D	Competition: EmAGN Photography Competition hosted by DARCH	UTS Architecture Warehouse
	pm	Students: ArchiCareers Day for Secondary Students Years 10-12	Tusculum
	pm	Ask an Architect. Quick complimentary consultations of 20 minutes	Tusculum
	pm	Tour: Australian Architecture Association Surry Hills Walk	Belvoir & Buckingham Sts
4-Nov	D	Other: Sydney Open, City Pass	CBD, Various

## TALKS

<b>The Great Arch</b> <i>Stanton Library, North Sydney</i> <b>25 Oct 1.00pm – 2.00pm</b> To mark this 80th anniversary year of the Sydney Harbour Bridge, author Vicki Iastrich talks about her novel The Great Arch.	<b>AAA Black Talk: Ken Yeang</b> <i>Eastern Ave Auditorium, University of Sydney</i> <b>25 Oct 6.00pm – 8.30pm</b> Ken Yeang is the world's leading ecological architect and the inventor of the Bioclimatic Skyscraper.	<b>Fugitive Structures</b> <i>Sherman Contemporary Art Foundation</i> <b>25 Oct 6.00pm - 8.00pm</b> Andrew Burns and artist Brook Andrew discuss their collaborative project Australia House. Introduction by James Grose.
<b>SWISS POSITION – 33 takes on sustainable approaches to building</b> <i>Istituto Italiano di Cultura</i> <b>26 Oct 6.00pm</b> Prof Gerhard Schmitt delivers the opening talk for this exhibition.	<b>I Love Todd Sampson</b> <i>The Hearth, Sydney University</i> <b>26 Oct 6.30pm</b> An opening talk about this collaboration between The Living Room Theatre and nine architectural teams.	<b>The Third Landscape Forum</b> <i>Tin Sheds Gallery</i> <b>27 Oct 2.00pm – 6.00pm</b> The Third Landscape forum will involve the public in thinking about urban design and the future of our cities.
<b>The Afterimage of the City</b> <i>Austral Bricks Design Studio</i> <b>29 Oct 12.15pm – 1.30pm</b> Cartography and the boundaries of Architecture, Landscape and Art by Katrina Simon.	<b>MS4A Open Conversation</b> <i>Target Theatre, Powerhouse Museum</i> <b>29 Oct 6.00pm – 8.00pm</b> Make-Space for Architecture (MS4A) presents an open conversation about - Darling Harbour: Public Space, Private Interest.	<b>Connecting Sydney – joining the dots...</b> <i>Tusculum</i> <b>29 Oct 6.30pm – 8.30pm</b> Balmain to Cockatoo Island - joining the dots to create an accessible harbour.
<b>House Buhrich 11 1972</b> <i>Austral Bricks Design Studio</i> <b>30 Oct 12.15pm – 1.30pm</b> Catherine Lassen presents the second talk in The University of New South Wales hugely successful Lunchtime Lectures.	<b>Mechanics of Visual Perception</b> <i>DAB LAB Research Gallery UTS</i> <b>30 Oct 5.00pm – 6.00pm</b> William Feuerman will discuss his research into the relationship between the eye and the mind, when perception becomes distorted by physiological changes.	<b>Ethnicity: Exploring Diversity in the Suburbs of Globalised Sydney</b> <i>Austral Bricks Design Studio</i> <b>31 Oct 12.15pm – 1.30pm</b> The third talk in the University of New South Wales hugely successful Lunchtime Lectures, presented by Dr Dijana Alic.
<b>Planning an Enduring Legacy</b> <i>Tusculum</i> <b>31 Oct 6.00pm – 7.30pm</b> A cross-disciplinary panel debates sustainable growth scenarios in regional/remote Australia.	<b>Designer Suburbs</b> <i>Target Theatre, Powerhouse Museum</i> <b>31 Oct 6.30pm – 7.30pm</b> In the 1950s, 60s and 70s architects like Harry Seidler, Robin Boyd, Ken Woolley, Michael Dysart and Graeme Gunn applied their talents to project homes, bringing high-end design to Australian suburbs.	<b>The Allegory of the Cave</b> <i>Austral Bricks Design Studio</i> <b>1 Nov 12.15pm – 1.30pm</b> Dr Sing D'Arcy will present "The Allegory of the Cave: Speculations between interior and landscape for the Barangaroo Headland Cultural Facility".
<b>Architectural Advocacy: The Design–Density Challenge</b> <i>Barnet Long Room, Customs House</i> <b>1 Nov 6.00pm – 8.00pm</b> How can we improve our cities? Does densification really work? And what has infrastructure got to do with it?	<b>A look at the MCA</b> <i>Museum of Contemporary Art</i> <b>1 Nov 6.30pm – 7.30pm</b> Architect Sam Marshall, MCA Curator Rachel Kent, artist Julie-Anne Long and a member of the public discuss how the new building works for visitors, artists and Museum staff.	<b>The Structural Core as Totem</b> <i>Austral Bricks Design Studio</i> <b>2 Nov 12.15pm – 1.30pm</b> The final Lunchtime Lecture "The Structural Core as a Totem: Reflections on Form and Symbol in the Architecture of Metabolism", will be delivered by Dr Marco Pompli.
<b>Short and Sharp at The Crypt</b> <i>St Patrick's Church</i> <b>2 Nov 6.00pm – 9.30pm</b> A taste of the 2012 Venice Biennale through the eyes of the BHTS student recipients.		



## WILLIAM FEUERMAN Mechanics of Visual Perception

Supporting evidence

Sydney Architecture Festival  
program

Weblink:

<http://www.sydneyarchitecturefestival.org/documents/SAF2012-program-revA.pdf>

## EXHIBITIONS

### NSW Chapter 2012 Award Winners

*Parramatta City Library*

**24 Oct – 4 Nov**

The 2012 winners of the Australian Institute of Architects, NSW Chapter Awards were announced on 28 June. The winning Awards Boards will be on display for the duration of the Festival.

### The Third Landscape

*Tin Sheds Gallery*

**24 Oct – 17 Nov**

The Third Landscape exhibition and public program will explore how natural and urban landscapes incorporate time into their design.

### I Love Todd Sampson

*The Hearth, Sydney University*

**26 Oct – 4 Nov**

Nine groups of architects plus students from Sydney University and UTS collaborate with The Living Room Theatre to create an interactive set for a new performance piece.

### Mechanics of Visual Perception

*DAB Lab Research Gallery, UTS*

**30 Oct – 23 Nov**

Explores the relationship between the eye and the mind, when perception becomes distorted by physiological changes.

## OTHER ACTIVITIES

### SuperSydney (invitation only)

*Tusculum*

**24 Oct 5.00pm – 9.30pm**

The opening event of this year's festival invites the people of Sydney to contribute their visions, concerns and dreams for the future of their city and presenting them in the form of a conversational event.

### Shelter

*Martin Place*

**28 & 29 Oct 7.00am – 5.30pm**

Providing relief housing for communities devastated by disaster in regions of the developing world.

### Lead Creatively From the Future

*Tusculum*

**27 Oct 1.00pm – 4.00pm**

This event addresses directly the challenges raised by the conversations in the SUPER Sydney project. Bookings essential

### Building Connections

*Museum of Contemporary Art*

**30 Oct 9.30am – 3.00pm**

The NSW Architects Registration Board in partnership with the Museum of Contemporary Art and supported by VADEA is offering Visual Arts teachers and their year 10 students a day to immerse themselves in architecture.

### Inter-action

*Customs House*

**24 Oct – 26 Nov**

Inter-action, guest curated by Dr Anuradha Chatterjee, under the creative direction of Jennifer Kwok includes a number of exciting Exhibitions located in Customs House.

### Open Agenda 2012

*Customs House*

**26 Oct – 31 Jan 2013**

Open Agenda is an annual competition aimed at supporting a new generation of experimental design and critical enquiry in Australian architecture.

### BE | XSECTION | beyond boundaries

*UNSW Built Environment Red Centre Gallery*

**29 Oct – 4 Nov**

Student design proposals imagined and developed through interdisciplinary collaborations that engage with the complexities and challenges of real world contexts.

### ARCHIKIDZ (SOLD OUT)

*Carriageworks*

**27 Oct 12.00pm – 4.00pm**

ARCHIKIDZ is an architectural workshop for children (aged 7-12 years). Please note that this event is sold out.

### EmAGN Photography Competition

*hosted by DARCH*

*UTS Architecture Warehouse*

**3 Nov 10.00am – 6.00pm**

Join DARCH for our annual one day photographic competition initiated by EmAGN. Responding to a brief announced on the day, we encourage you to engage with your city through the lens of an architect.

## MAIN VENUES

### Customs House Sydney

Alfred St, Circular Quay

[www.cityofsydney.nsw.gov.au/customshouse](http://www.cityofsydney.nsw.gov.au/customshouse)

### University of New South Wales

Anzac Parade, Kensington

[www.fbe.unsw.edu.au](http://www.fbe.unsw.edu.au)

## OTHER VENUES

### Austral Bricks Showroom

50 Carrington Street, Sydney

[www.australbricks.com.au](http://www.australbricks.com.au)

### Bowen Library Maroubra

669-673 Anzac Parade, Maroubra

[www.randwick.nsw.gov.au](http://www.randwick.nsw.gov.au)

### Chatswood Library

The Concourse, 409 Victoria Ave, Chatswood

[www.willoughby.nsw.gov.au](http://www.willoughby.nsw.gov.au)

### Kogarah Town Square Library

Belgrave Street, Kogarah

[www.kogarah.nsw.gov.au](http://www.kogarah.nsw.gov.au)

### Mosman Library

Library Walk, 605 Military Road, Mosman

[www.mosman.nsw.gov.au/library](http://www.mosman.nsw.gov.au/library)

### Parramatta City Library

1B Civic Place, Parramatta

[www.parracity.nsw.gov.au](http://www.parracity.nsw.gov.au)

### Redfern Post Office

101-103 George Street, Redfern

### St Patrick's Church

Grosvenor Street, Sydney

### Tin Sheds Gallery

148 City Road, Darlington

[www.sydney.edu.au/architecture](http://www.sydney.edu.au/architecture)

### University of Sydney

148 City Road, Darlington

[www.sydney.edu.au/architecture](http://www.sydney.edu.au/architecture)

### Balmain Town Hall

370 Darling Street, Balmain

[www.leichhardt.nsw.gov.au](http://www.leichhardt.nsw.gov.au)

### Carriageworks

245 Wilson St, Eveleigh

[www.carriageworks.com.au](http://www.carriageworks.com.au)

### DAB LAB Research Gallery, UTS

702-730 Harris Street, Ultimo

[www.dab.uts.edu.au](http://www.dab.uts.edu.au)

### Marrickville Library

Marrickville & Petersham Roads, Marrickville

[www.marrickville.nsw.gov.au](http://www.marrickville.nsw.gov.au)

### Museum of Contemporary Art

140 George Street, Sydney

[www.mca.com.au](http://www.mca.com.au)

### Penrith Library

Penrith Civic Centre, Penrith

[www.penrithcity.nsw.gov.au](http://www.penrithcity.nsw.gov.au)

### Sherman Contemporary Art Foundation

16-20 Goodhope Street, Paddington

[www.sherman-scaf.org.au](http://www.sherman-scaf.org.au)

### Surry Hills Library

405 Crown Street, Surry Hills

[www.cityofsydney.nsw.gov.au](http://www.cityofsydney.nsw.gov.au)

### Tusculum – Australian Institute of Architects, NSW Chapter

3 Manning Street, Potts Point

[www.architecture.com.au/nsw](http://www.architecture.com.au/nsw)

### UTS Architecture Warehouse

50 Kensington Street, Chippendale

[www.dab.uts.edu.au](http://www.dab.uts.edu.au)

### Bondi Pavilion

Queen Elizabeth Drive, Bondi Beach

[www.waverley.nsw.gov.au](http://www.waverley.nsw.gov.au)

### Coal Loader Centre of Sustainability

2 Balls Head Road, Waverton

[www.northsydney.nsw.gov.au](http://www.northsydney.nsw.gov.au)

### Istituto Italiano di Cultura

Level 4, 125 York Street, Sydney

[www.iicsydney.esteri.it](http://www.iicsydney.esteri.it)

### Marrickville Town Hall

96 Illawarra Road, Marrickville

[www.marrickville.nsw.gov.au](http://www.marrickville.nsw.gov.au)

### Museum of Sydney

Cnr Bridge & Phillip Streets, Sydney

[www.hht.net.au/museums/mos](http://www.hht.net.au/museums/mos)

### Powerhouse Museum

500 Harris St, Ultimo

[www.powerhousemuseum.com](http://www.powerhousemuseum.com)

### Stanton Library

234 Miller Street, North Sydney

[www.northsydney.nsw.gov.au](http://www.northsydney.nsw.gov.au)



[www.architecture.com.au](http://www.architecture.com.au)



[www.architects.nsw.gov.au](http://www.architects.nsw.gov.au)



[www.cityofsydney.nsw.gov.au](http://www.cityofsydney.nsw.gov.au)

The 2012 Festival is presented by the Australian Institute of Architects NSW Chapter and the NSW Architects Registration Board and supported by festival funding from the City of Sydney.