

## Boolean Expressions: Contemporary Art and Mathematical data Exhibition and catalogue

Exhibition and catalogue produced in association with the College of Science, Engineering and Food Science, UCC and George Boole 200, UCC. University College Cork, 2015

The catalogue *Boolean Expressions: Contemporary art and mathematical data*, was produced from an exhibition of the same name curated by Fiona Kearney to mark the bicentenary celebrations of mathematician George Boole, the first Professor of Mathematics at Queen's College Cork (UCC) under the banner of George Boole 200. Boole's logic gates play a crucial role in modern computing.

"Through an extensive programme of events, the life and works of George Boole was celebrated culminating with the establishment at the university of the George Boole legacy which will enable the ongoing celebration of George Boole and the long established tradition of world-class research in academic disciplines associated with him.

As part of the George Boole 200 celebrations at University College Cork, the Lewis Glucksman Gallery presented BOOLEAN EXPRESSIONS: Contemporary art and mathematical data, an exhibition that explores the ways in which artists use mathematical ideas and systems in their work. BOOLEAN EXPRESSIONS demonstrated the creative synergies between scientific and artistic thinking and invited audiences to explore mathematical concepts, the impact of big data on contemporary life, the ways in which systems and codes support creative production, and how artists have used logic and technology for their own artistic purposes. " Glucksman Gallery

Artists were selected for the show because of the way in which their work engages with these mathematical principals and included Darren Almond, Aram Bartholl, Mel Bochner, Hanne Darboven, John Gerrard, Sol LeWitt, Tatsuo Mijajima, Aisling O'Beirn, Matthew Ritchie, Lynne Woods Turner. O'Beirn was invited to make a work responding to Boole's mathematical work for the show.

The catalogue features a forward by Michael Murphy, President, University College Cork, Boolean Expressions introduction by Fiona Kearney, curator  
*And or Not*, essay by Brian Fay and *Math Happens*, essay by Lucy Dawe Lane

Extracts pertaining to O'Beirn's work from the catalogue reproduced below by kind permission of the Glucksman Gallery.

<https://www.glucksmanshop.com/boolean-expressions.html>

[http://www.glucksman.org/exhibitions/boolean\\_expressions](http://www.glucksman.org/exhibitions/boolean_expressions)

<https://georgeboole200.ucc.ie>

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Contemporary Art and Mathematical Data  
The Glucksman, University College Cork

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Boolean Expressions - Contemporary Art and Mathematical Data  
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GLUCKSMAN

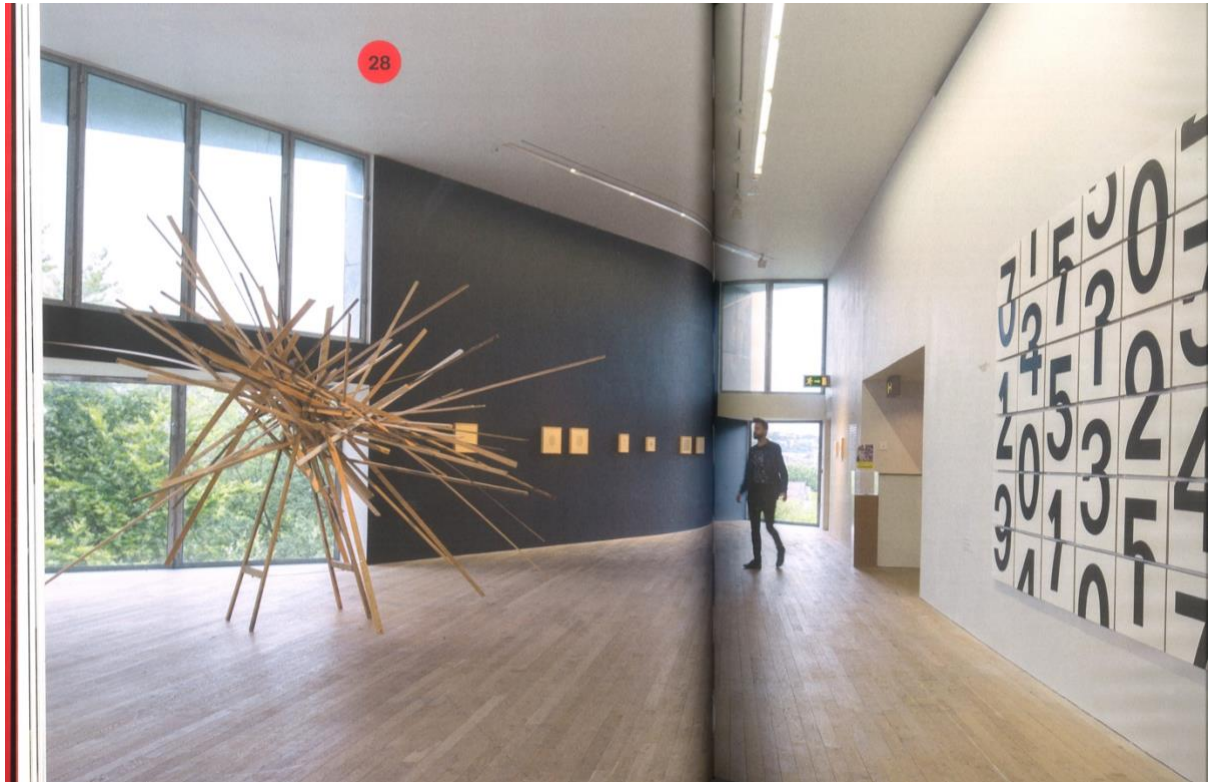
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# Aisling O'Beirn

[Born in Ireland, 1968]

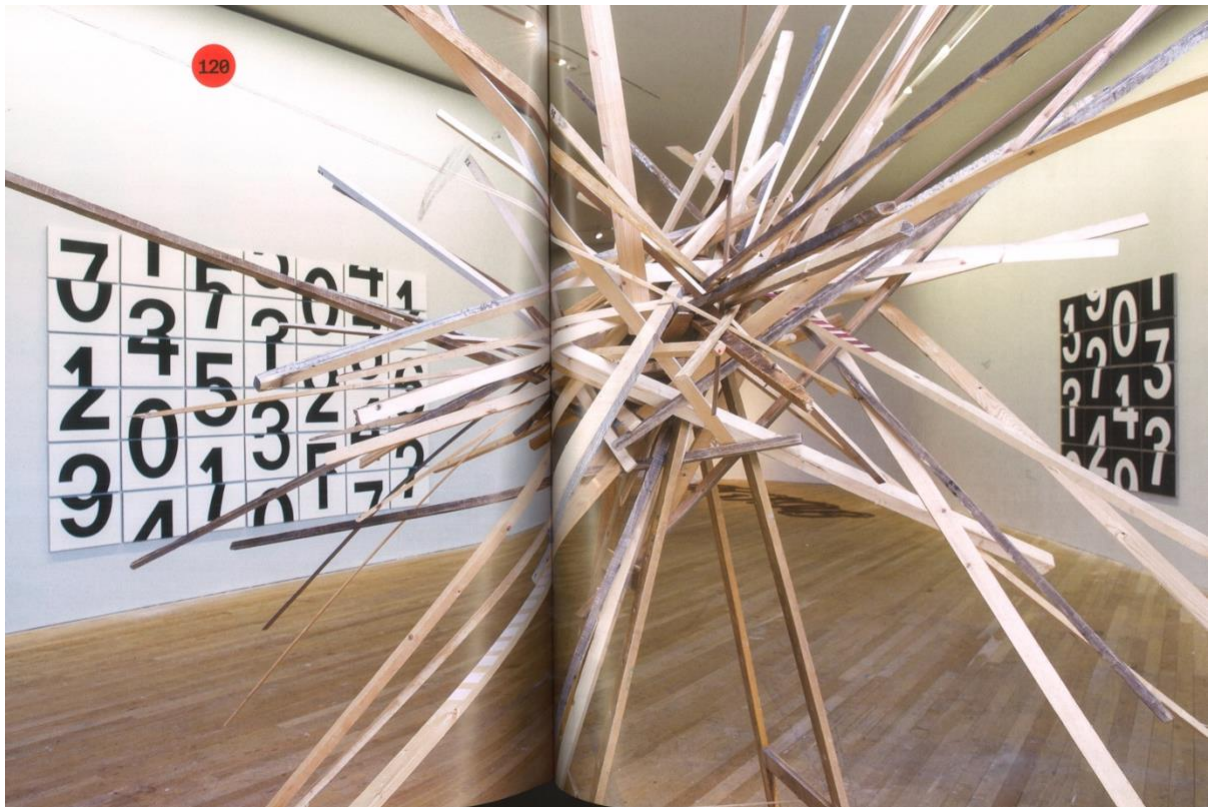
Aisling O'Beirn's work is concerned with the way in which information and news are politicised and how this is communicated, read and interpreted. Social and political issues and the frameworks that they are presented in, whether formal or organic, are the focus of O'Beirn's art. Her practice, as she attempts to find formats and ways, challenges audiences that facilitate possible readings of these politicised arenas. These themes are explored through a variety of means, from sculptural works to site-specific installations, urban interventions to web-based work.

Aisling O'Beirn has presented her work in numerous solo and group exhibitions at galleries including Crawford Art Gallery, Cork; The Third Space, Belfast; Void, Derry; Wolverhampton Millennium Court Arts Centre; Temple Bar Gallery, Dublin; Golden Thread Gallery, Belfast; Paris Art Centre, Lodz; Centre D'Art Contemporain, Pougues-les-Eaux; Purnell Center for the Arts, Pittsburgh; The Czech Museum of Fine Arts, Prague; Herzliya Museum of Contemporary Art, Tel Aviv; and the 2005 Venice Biennale.

#### Exhibitions

2011, Mixed media, wooden poles, industrial ropes  
Reading at National Centre  
Reading at The British

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Arling O'Brien  
 Boolean Logic (Detail)  
 2015, mixed media, wooden  
 nails, salvaged timber,  
 drawing on Fabri-Linn paper

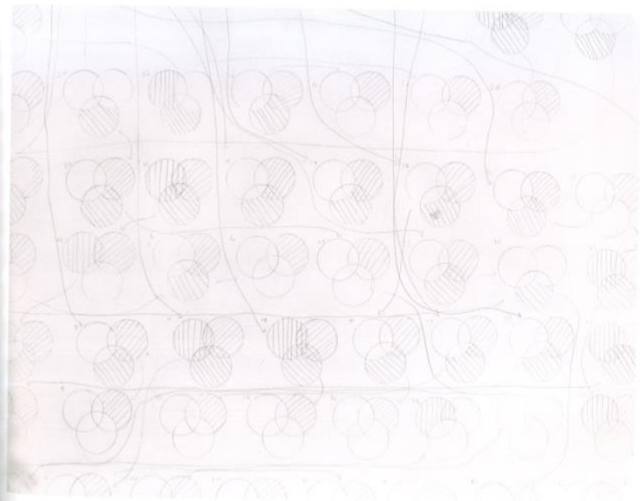


Arling O'Brien  
 Boolean Logic  
 2015, mixed media, wooden  
 nails, salvaged timber,  
 drawing on Fabri-Linn paper

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Arling O'Brien  
 Boolean Logic (Detail)  
 2015, mixed media, wooden  
 nails, salvaged timber,  
 drawing on Fabri-Linn paper

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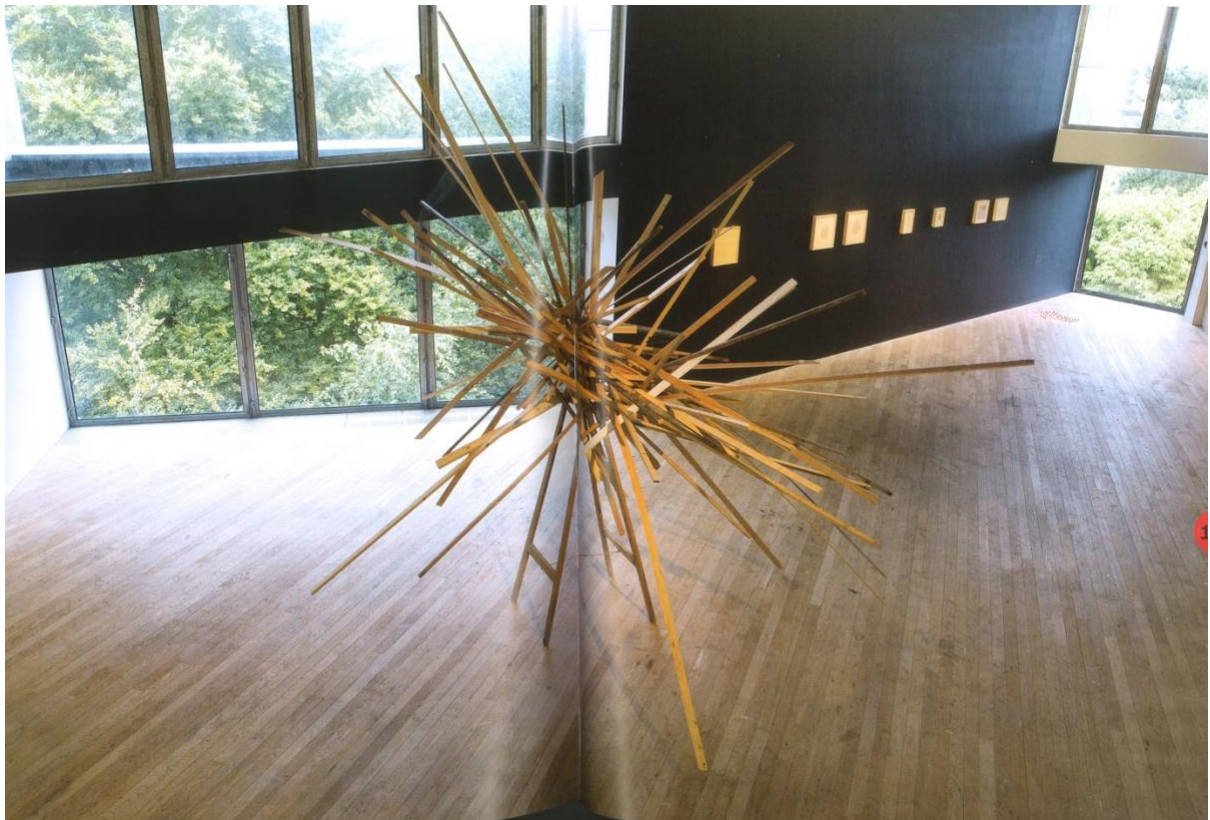


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2015, mixed media, wooden  
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VISUAL ART AND MATHEMATICAL DATA

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