

**Title and brief Description** Anonymous Monsters is an investigation of new models of thinking through construction and physical construction in with the earth.

**Type** Journal Article

**Title of Journal** Design Ecologies

**Article Number** available 2015

**Issue Number** Volume 5 Number 1&2

**First Page of Article** find enclosed preview

**ISSN of Journal** 2043-068X (Print) available online

**Doi** 10.1386/des.5.1-2.124 \_1

**Year of Publication** 2015

**Number of additional authors** 0

**Interdisciplinary** Yes

### **Additional Information**

#### Originality

Anonymous Monsters is an issue of Design Ecologies journal that abolishes existing specific architectural models by creating something more dynamic. Ecological design replacement towards ecological forensic investigations, a shift away from representation and towards documentation and the consequences of spatial terrains yet to be explored in practice. The published article and consequential exhibition and lectures in University of Sydney, contributed in developing a research group at University College London, the Bartlett School of Architecture with professional filmmakers, academics and practising architects in 2019. The importance of this article has impacted on a series of architecture practices methods, including Haptic Architects, through a 'continuing professional development' (CPD) lecture at the offices of Haptic Architects who specialise on residential housing.

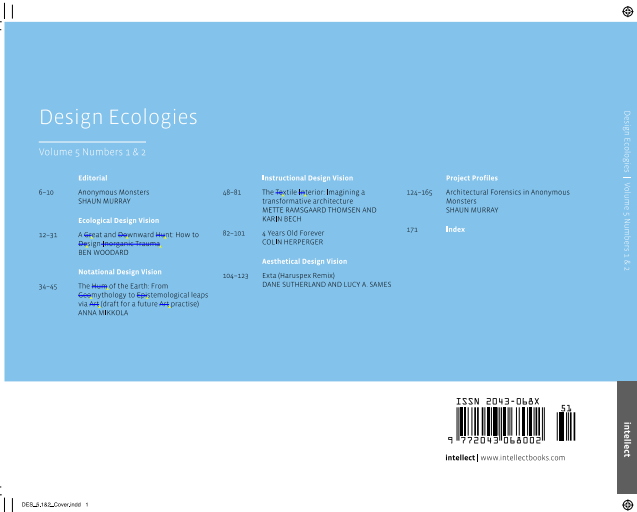
## Rigor

The journal and performance projects consisted of making four detailed objects including, a pair of dynamic binoculars, a geological walking stick, floating life-jacket islands and a submarine last. The idea was the material of the island of cockatoo was used in many important buildings of Sydney. The materials were carved out of the rock by immigrants and criminals held in prison camps on the island. The tailored four objects contributed to the idea of discovering through making and performing on cockatoo Island.

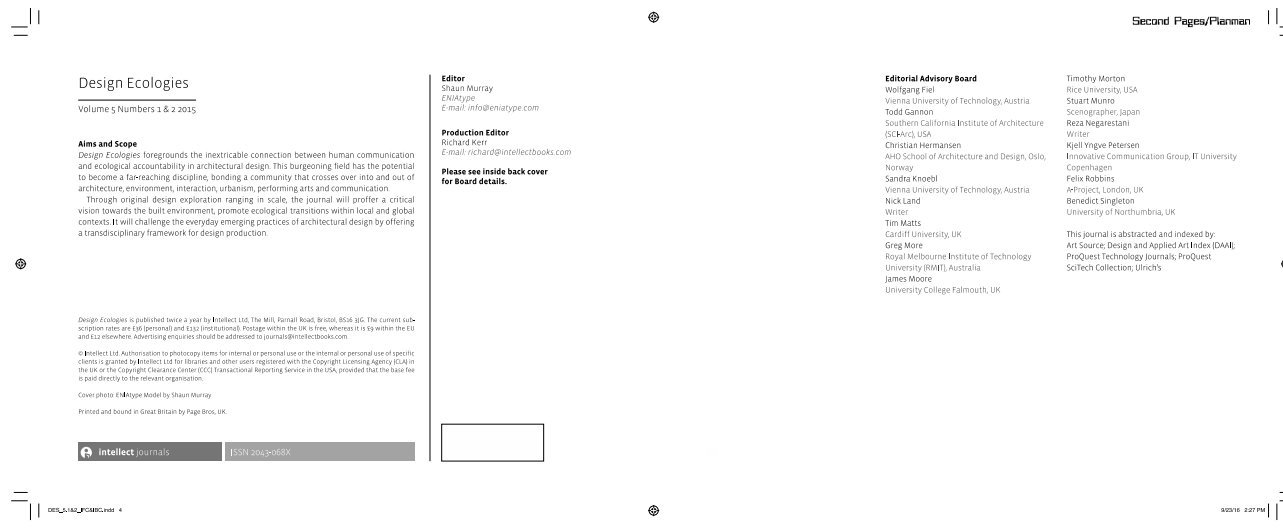
## Significance

The author has been invited to present on this project at the University of Sydney; a drawing and making workshop and exhibition at Tin Sheds Gallery in University of Sydney; a talk at New South Wales University and a presentation and discussion session with influential architectural practices in Sydney. The project has collaborators and advisors from Timothy Morton (Rice University), Nick Land, Reza Negarestani (The New School), Benedict Singleton (Strelka). The article and consequential exhibition, workshop and symposium presented here were an invite from the editorial board, academics and practitioners in Sydney.

## **Anonymous Monsters (documents, dissemination and Impact)**



Murray, Shaun, 2015. Anonymous Monsters: Front and back cover, Bristol: Design Ecologies



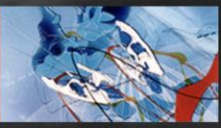
Murray, Shaun, 2015. Anonymous Monsters: Inside front and back cover, Bristol: Design Ecologies

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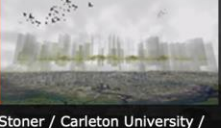
Shaun Murray / ENIAtype / LONDON

**STUDIO LEADER**



MAP Office / HONG KONG

**STUDIO LEADER**



Jill Stoner / Carleton University / OTTAWA

**Urban Islands** is an independent cross university program that brings renowned architectural practitioners from around the world to Sydney's Cockatoo Island. Guest tutors each run an intensive 12 day workshop about Cockatoo. Through processes of inhabitation and insinuation, each studio will question the nature of place making in an increasingly mediated world.

The review day on Cockatoo Island will take place on Saturday July 2nd.

**DOWNLOAD THE REVIEW DAY MAP.**

**LATEST NEWS**

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SATURDAY, 2ND JULY 2016

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WEDNESDAY, 4TH MAY 2016

We have officially opened enrolments for UI2016. Places are strictly limited and available on a first come first served basis.

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SUNDAY, 10TH APRIL 2016

We are pleased to announce Shaun Murray (ENIAtype/London), MAP Office (Hong Kong) and Jill Stoner (Carleton University/Ottawa) as guests for Urban Islands 2016.

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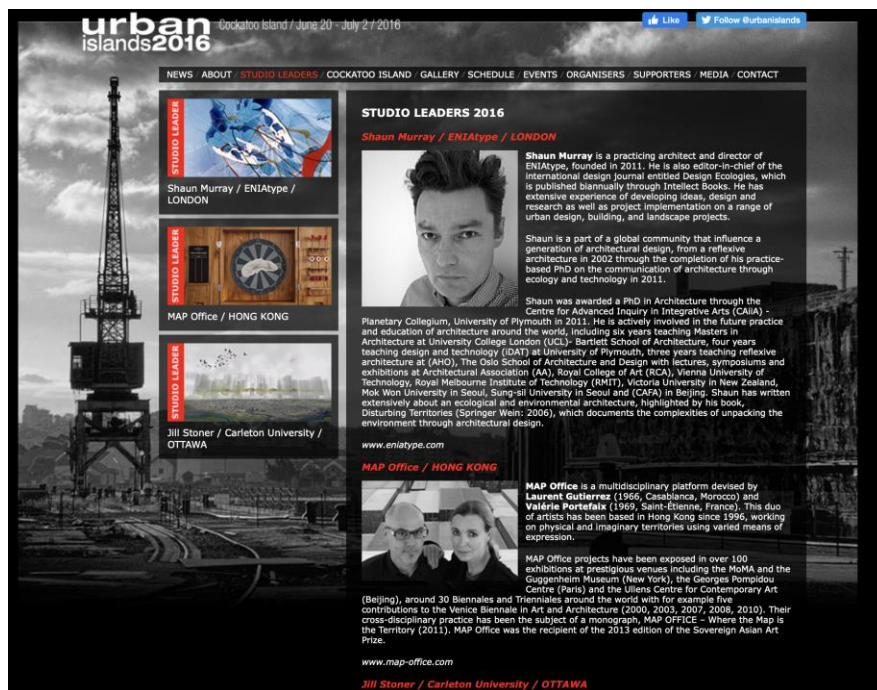
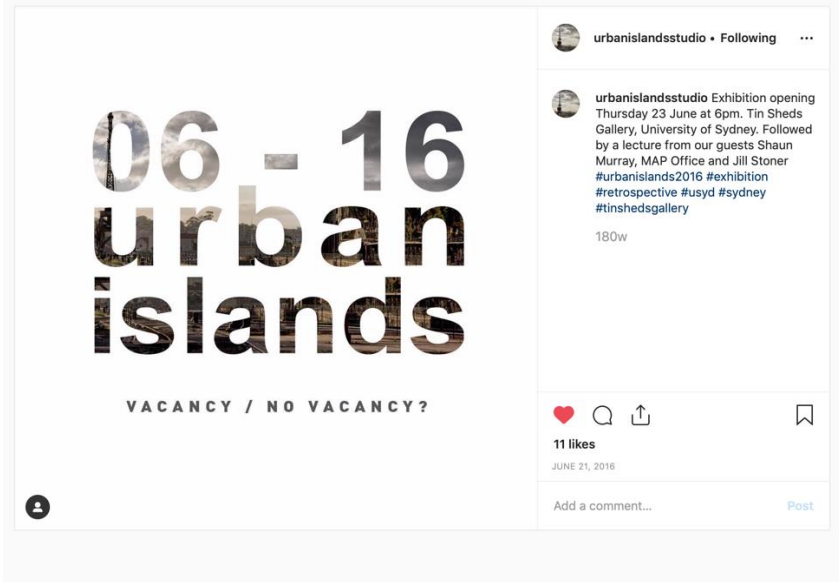
**Cockatoo Island** Australian Government Sydney Harbour Federation Trust

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Murray, Shaun, Urban Islands Invite to University of Sydney lecture, exhibition and deliver a workshop: <http://www.urbanislands.net>



Murray, Shaun. 2016. Workshop and Exhibition on Cockatoo Island in Sydney Harbour and Tin Sheds Gallery in University of Sydney, Australia from 06-16 June 2016 to reveal ideas on vacancy/ no vacancy refugees and technology.



Murray, Shaun, Urban Islands Invite to University of Sydney lecture, exhibition and deliver a workshop: <http://www.urbanislands.net>



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**Vacancy/No Vacancy?**

ADR18 Exhibition

Event\_

## Vacancy/No Vacancy?

Urban Islands 2006 – 2016

'Vacancy/No Vacancy?', Urban Islands 2006 – 2016 presents a collaboration of work from Urban Islands guests.

- Laurent Gutierrez and Valérie Portefaix from design studio MAP Office
- Jill Stoner, Director of the Azrieli School of Architecture and Urbanism at Carleton University in Ottawa, Canada
- Shaun Murray, practising Architect and Director of architecture firm ENIAtype.

Our four guests explore architecture and related themes through a variety of non-conventional media and techniques, sharing an interest in issues of urbanism and ecology. The exhibition showcases some of their recent research and projects through drawings, audio/video installations and sculpture.

The exhibition will run parallel to Urban Islands 2016, an independent cross university program hosted by the University of Sydney, bringing renowned architectural practitioners from around the world to Sydney's Cockatoo Island.



## Documentation

### Architectural Forensics in Anonymous Monsters

Shaun Murray, ENIAtype

University of Greenwich

#### Figure 1: Architectural Forensics in Anonymous Monsters, 2016

#### Abstract

Architecture is a crime if it does not involve environmental DNA and digital forensics to aid in the design of the building. Architectural Forensics on Anonymous Monsters is a chthonic zenoarchaeology that constructs new models of thinking through construction and physical construction with the earth. The anonymous monster could be the alternative contracting/constructing models and ideas that architects consider valuable and inherently fundamental for architecture – the scaffolding of thought and the scaffolding of buildings. This scaffolding could become the anonymous support structure that enables but also underpins the monster under construction. This article is a design project developed to a highly tuned theoretical standpoint on how technology alters consciousness for the individual and for society. With coined phrases such as ‘reflexive architecture’ to explore the collapse of the biological and information divides whilst has re-applied the term syncretism to explain our experience of multiple realities at once. Technology is a tool and a means for individuals to explore pre-conceptions of themselves, to enter separate realities and bring back information. A computer can therefore be likened to undertaking a similar role to that of a shaman in accessing different levels of consciousness. Building as a constructed reality.

## **Keywords**

Architectural forensics

Anonymous monsters

Augmented planning permission

Digital forensics

Reflexive architecture

ENIAtype Architecture

Construction

Scaffolding

## **ENIAtype research group**

ENIAtype research group is a state-of-the-art research group delving into the relationship between architecture, technology and philosophy across the University of Greenwich and the University of Kent. Our latest project investigated the impact of current digital modelling tools in producing complex architectural spatial environments at the Isle of Dogs in London.

We started the project with a two-week practical session within the Isle of Dogs, where the research group collected and documented architectural forensic models in three-dimensional virtual and physical environments that were played back continuously on the environment under investigation. Consequentially, hybrid spaces were discovered and became tailored as evidence to support the design of buildings to become architecture.

*Architectural Forensic* models encompass the seizure, forensic imaging (acquisition) and analysis of digital media through the production of a set of precise drawings and models.



Forensics deals primarily with the recovery and analysis of latent evidence. Latent evidence can take many forms in your design ideas and drawings, which could be used to reshape the design of a building around new values and behaviours. This suggests that ecological design replacement towards ecological forensics could be accelerated by external shocks and shaped by the emergence of a new kind of environment for a new kind of human being. Creating something more dynamic will at first abolish existing architectural models, almost unseen within the old system, but which will break through, reshaping the built environment. This is possible because of three major changes design technology has brought about in the use and application of digital tools in architecture, a shift away from representation and towards documentation and the consequences of new spatial terrains yet to be explored.

*Anonymous Monsters* was developed three-dimensionally to aid in the design of tailored buildings in relation to its own complex architectural forensic evidence. An anonymous monster (aka the environment) is constructed by some unseen force directing spatial events, which are orchestrated by some unseen director. Architectural research queries to develop the programme of the building could be: How does gravity affect us? Where does weather come from? How much can we find out about you that you accidentally leave behind? Our only true relationship with the anonymous monsters is that it is ubiquitous yet strangely anonymous in its complexity and architecture. We unpacked the guts of the monster to generate an architectural framework that can have a dialogue with this unknown unknown.

### **Design strategy**

A design strategy was set up for the research group with the following leading questions:

What is your bait? How can you attract the enemy's enemy? How will you attract the prey to your building? The ideas were to design a building as a weapon of the weak and the architecture has to continuously try to achieve what the occupants want through an indirect route.

An initial focus was in marking out spaces by some invisible links between forensics, building and participant in their architectural forensic models, distancing the forensics from the environment – unfolding as a series of events in the environment as some form of design – manipulating the forensics towards some dramatic shifts in the design of the building, without any direct changes to the form of the object. Forensic application after forensic application after forensic application – the architecture is an attempt to set a series of traps for the participant and occupant of the building. When we get entangled in this complex web of environmental forensics, can we cultivate it and engage with it? Find who committed the crime? Through this greater understanding of how to design with this shifting relationship, a revolution opens us up to a new understanding of the world – a strong temporal dimension. It is up to each participant to discover what it is, as you don't design it, but you reveal its relationships through the design of the architecture. You are complicit with it and re-orient yourself with, through it and from it.

Using environmental applications the research group detected the full range of historical, environmental and technological forensics to construct a four-dimensional virtual environment for people. Buildings have often been seen as treating people as components in the machine. But there is another way, whereby we treat buildings as complex components with a shifting relation with the environment and people over time.

Through our constantly shifting and dynamic relationship with buildings and the

environment it becomes clear that the manner in which our environmental DNA will be used against us in the future of buildings to become architecture is not known yet. Through the research group's architectural forensic models, they individually identified and collated environmental, historical and technological data to create time-based hinge architecture. A hinge architecture becomes an architecture understands that it is better to look for the processes that are ongoing and possibly unrecognized and manipulating them to create some sort of dramatic shift.

## **Research projects**

Some participants researched the geometries of Christopher Wren's Old Royal Naval Colleges in Greenwich buildings and mirrored critical reflections and hinges in the geometries across the River Thames and towards the Isle of Dogs with reference to Duchamp's Large Glass.

The research projects examine the way forensic scientists collect, preserve and analyse evidence during the course of an investigation or acts of violence suffered by buildings in their environment. The projects present different ways to unpack and interrogate the idea of technological impact on buildings and the environment as crime scenes. In the quest for objectivity, new methods of investigation were developed merging environmental data with the design of spaces, calculations and material decisions.

Below is a range of speculative buildings developed as a series of networked shops and stores that will trade with each other on parallel currencies. These buildings are dedicated

to free time, networked activities and free matter. The architecture considers different sets of associations between it and human behaviour, in a whole range of different spatial relations, and encourages a change in perception about technology, ownership and work. The buildings will also focus on split-sites and develop a complex response to the physical location through the development of an educational start-up practice. The split-sites will introduce two different programmes in one building to create elements of a new system for a new way of living in the process of formation.

***Brad Sowter, Shredding the Post-War Vortex***

**Figure 2:** Aerial view of the Shredding the Post-War Vortex, 2016

**Figure 3:** Perspective of the Shredding the Post-War Vortex, 2016

**Figure 4:** Earth Station at the Shredding the Post-War Vortex, 2016

**Figure 5:** Interior view of the stories at the Shredding the Post-War Vortex, 2016

Shredding the post-war vortex is a microcosm that attempts to rebuild connections between the once tight-knit communities of the Isle of Dogs during World War II. The project explores the community from a forensic point of view, delving into memoirs and accounts from residents during the Blitz and how this has a casual effect on the relationship between the locals. The rise of Canary Wharf and luxury apartments on the Isle of Dogs has transformed the once iconic docking industry. Research has shown that the unemployment rate among the youth on the Isle of Dogs is at a high; therefore, having areas specifically for apprenticeship will help them gain some qualification. Research has also shown that there is an ageing population and loneliness is at a high. The architecture acts as a beacon of a reflexive architecture that retains the memories of the past and

projects them into the future. Memoirs manifest themselves into platforms that encourage the community of all ages to engage with one another for the microcosm to flourish. Shredding the post-war vortex engages the senses through tactile surfaces, social interaction, immersion and the elements of earth, wind, water and fire. The architecture becomes a safe haven from the outside world where nostalgia and childhood imagination can be explored. Participants work and play within the microcosm, building relationships with their neighbours and piecing together fragmented memories of the past while developing new memories themselves.

***Mladen Varbanov, Invisible Networks and the New Observatory***

**Figure 6:** Painted Hall vertical panorama view in *Invisible Networks and the New Observatory*, 2016

**Figure 7:** Ground floor plan of Queens House in *Invisible Networks and the New Observatory*, 2016

**Figure 8:** Perspective view of New Observatory in *Invisible Networks and the New Observatory*, 2016

**Figure 9:** View of woven facades in the Painted Hall in *Invisible Networks and the New Observatory*, 2016

**Figure 10:** Insect storage area in *Invisible Networks and the New Observatory*, 2016

**Figure 11:** Workshop space in *Invisible Networks and the New Observatory*, 2016

The New Observatory occupies a structure whose form is driven by the placement of architectural elements from Canaletto's painting of Greenwich Naval College and Queen's House, with reference to his use of the camera obscura. The project gives architectural

form to invisible phenomena that occur around the site and its occupants, highlighting the role of the architect in generating conditions for new social ecologies. The New Observatory consists of three floors with different functions. The ground floor operates as a place where people could have a meal prepared from different types of insects. The first floor functions as an observatory for analysing the projected facades onto Mudchute Farm and Park, with spaces to analyse invisible phenomena such as phone and Wi-Fi signals, wind speed direction, temperature and humidity. The different sensors located around the building will be collecting that data from the site, and through advanced computational algorithms it will be rendered onto the facade of the building under the form of different woven patterns.

### ***Koh Yuan Feng, Seeking Comfort in the Smokehouse***

**Figure 12:** Constructional axonometric through the dining vessels in *Seeking Comfort in the Smokehouse*, 2016

**Figure 13:** Section through the smokehouse kitchens and market area in *Seeking Comfort in the Smokehouse*, 2016

**Figure 14:** Aerial view of the Smokehouse complex in *Seeking Comfort in the Smokehouse*, 2016

**Figure 15:** Perspective through the market area in *Seeking Comfort in the Smokehouse*, 2016

**Figure 16:** Perspective through the market area in *Seeking Comfort in the Smokehouse*, 2016

Exploring human comfort and the extreme climate of a smokehouse stack with the

exposed edge of the laminar wind flow at the Millwall Outer Dock. The project is a revisit into traditional hot and cold smoking techniques and enhancing the dining experience via the microclimate of hot and cold dining vessels utilizing materials of varying U-values and its accompanying comfort food menu. The program encompasses the use of the smokestack to smoke fish, meat and organic vegetables for the new market and restaurant. Located on soft marshy ground, and unobstructed strong westerly winds, the light plays a crucial role in providing thermal comfort for the participant. Seeking Comfort in the Smokehouse aims to provide quality food with an architecture to enhance the Individual's experience.

***Vince Choi, Time in Space Reassembling: The Chinese Kitchen in Ceramic Vessels***

**Figure 17:** Aerial view of the Chinese Kitchen in Ceramic Vessels in *Time in Space Reassembling: The Chinese Kitchen in Ceramic Vessels*, 2016

**Figure 18:** Axonometric view of the Chinese Kitchen in Ceramic Vessels in *Time in Space Reassembling: The Chinese Kitchen in Ceramic Vessels*, 2016

**Figure 19:** Perspective view of the Chinese tearooms in *Time in Space Reassembling: The Chinese Kitchen in Ceramic Vessels*, 2016

**Figure 20:** Perspective view of the Chinese Kitchen gardens in *Time in Space Reassembling: The Chinese Kitchen in Ceramic Vessels*, 2016

**Figure 21:** Sections through the Chinese Kitchen in Ceramic Vessels in *Time in Space Reassembling: The Chinese Kitchen in Ceramic Vessels*, 2016

**Figure 22:** Roof plan of the Chinese Kitchen in Ceramic Vessels in *Time in Space Reassembling: The Chinese Kitchen in Ceramic Vessels*, 2016

**Figure 23:** Section through the tearooms in the Chinese Kitchen in Ceramic Vessels in

## *Time in Space Reassembling: The Chinese Kitchen in Ceramic Vessels, 2016*

The Chinese Kitchen in Ceramic Vessels is a project that experiments on the richness of spatial experience, time consumption and building materiality through investigating ways in which building properties can find their way into architectural forensics. The project is a response to a current issue in the Isle of Dogs with people preferring to buy 'food on the move' rather than enjoy 'food on the seat'. The reason – it takes a longer time to enjoy a proper meal and people need to get back to work. The architecture re-assembles the occupant's time consumption within varying spatial terrains. The architecture responds to the occupants by encouraging them to spend more time in highly detailed spaces and swiftly move through in highly tuned spaces. This is achieved through heating and cooling ceramics vessels embedded in the floors, walls and ceilings and the textures and materiality's of the spaces. Furthermore, “ sìhéyuàn ”- 四合院, a historical type of residence was commonly found throughout China, most famously in Beijing, it has applied into my space planning. The surfaces in the building are manipulated as a mediator of the surrounding environment rather than a determinant of the environment.

## ***Pravin Abraham, Resonations and Object Interference at the Recording Studios***

**Figure 24:** Sections through the recording studios in *Resonations and Object Interference at the Recording Studios, 2016*

**Figure 25:** Plan of the recording studios in *Resonations and Object Interference at the Recording Studios, 2016*

**Figure 26:** Perspective view of the recording studios in *Resonations and Object*



*Interference at the Recording Studios, 2016*

**Figure 27:** Elevations of the recording studios *in Resonations and Object Interference at the Recording Studios, 2016*

**Figure 28:** Interior view of the resonating chamber *in Resonations and Object Interference at the Recording Studios, 2016*

The project is about materials that resonate at differing frequencies with differing spatial environments for a series of recording studios. The building responds to sound from its surroundings by resonating in it materially; new fractures and crumbling facades embrace this new spatial relationship. Strategically orientated concrete walls with mechanical parabolic mirrors respond to the sound radiating through the sites location. These mirrors harvest sound from the area, which is then archived through the recording studios. The sounds collected can then be integrated by participants using specially designed recording facilities, with the aim of creating new and unique resonant sounds that is directly influenced by the architecture of its space and surroundings. The building itself also collects impact sound via the cacophony chamber, which contains a circulation path completely wrapped in concrete. Microphones placed throughout the chamber then pick up these sounds. Essentially the chamber is an attempt at creating an architecture that acts as an instrument. The recording vessels, where participants integrate the collected sound, are hung off the main building, so that they may resonate with the main building as it receives vibrations from the site.

**Greta Lileikyte, Brunel's Pier and the Timber Dockyard**

**Figure 29:** Section through wooden boat construction workshop *in Brunel's Pier and the*

*Timber Dockyard, 2016*

Figure 30: Sections through boat construction workshop in *Brunel's Pier and the Timber Dockyard, 2016*

Figure 31: Interior of the main boat construction workshop in *Brunel's Pier and the Timber Dockyard, 2016*

In the south of the Isle of Dogs, the SS Great Eastern's launch ramp (1854), formed the basis of this project, which created a composition of workshops for construction of wooden boats, a bank for tree seeds and a pier for boats. The forensics that was discovered from the historical, solar, anemometric, bathymetric and geological data, guided the composition of the workshops, which raise knowledge and awareness about timber construction, and maintains the historical heritage. The site entails workshops for craft and wooden boat construction, a pier with a waiting area, café, ticket office, and an area for tree growth, which is monitored through the seed bank. The seeds and parts of the boat are produced through 3D printing using live cultures, however some Cross-Laminated Timber (CLT) is imported. There are three types of facades with the first layer that monitors the sun light and rotates accordingly to regulate a certain amount of light into the building, the second layer monitors the wind which regulates the ventilation inside of the building, and the third layer is a movable façade to provide privacy for the private jobs and the neighbouring residents.

## **Conclusion**

For technologies to be useful in the design of architecture, we need to develop tactics to reveal something new. Technology is not a thing in itself, as it needs to be applied through a technique or techne. The objective of ENIAtype architecture is to design architecture

through physical environmental data like Wi-Fi signals, light pollution, water Ph value, air speed and flow. We encourage the research group to question the architecture of cartographic technologies from Geographical Information Systems (GIS), Lidar scanning, aerial and geological surveys and complex transportation movements. The architecture is the outcome of the shifting relationships of our complex environment. All participants tailored the project brief to their own ideas of their own practice and everyone worked with a range of digital and analogue tools from 3D design, cartographic drawings and physical modelling. However, most of these third wave VR and augmented reality projects don't add anything meaningful to the field. Instead, they repeat the patterns of previous media and communication campaigns, such as museum guides and notice boards (now digital), and in some cases they even generate distraction and noise. These projects fail most notably when it comes to facing the debate about the materiality of objects and how to create immersive experiences. All of this happens at a time of such disruption that material and digital objects fuse together, a time when digital experimentation should help rethink the limits of analog materiality: its very presence, the notion of what is real and what is a copy, the body's involvement when engaging with an object, the role of archives, the concept of continuity within a gallery's exhibition, the relation between the visit and the after-visit in connection to the audience's virtual identities. The research group is trying to awake the energy contained in the environment. What is considered as empty space is just a manifestation of matter that is not awakened by the anonymous monster.

### **Contributor details**

Shaun is a qualified architect and the director of ENIAtype, a transdisciplinary architecture practice founded in 2011. He is also editor-in-chief of the international design journal entitled Design Ecologies, which is published biannually through Intellect Books. Shaun

was awarded a PhD in Architecture through the Centre for Advanced Inquiry in Integrative Arts (CAiiA) -Planetary Collegium, University of Plymouth in 2011. He is actively involved in the future practice and education of architecture around the world, including six years teaching Masters in Architecture at University College London (UCL)- Bartlett School of Architecture, four years teaching design and technology (iDAT) at University of Plymouth, three years teaching reflexive architecture at (AHO), The Oslo School of Architecture and Design with lectures, symposiums and exhibitions at Architectural Association (AA), Royal College of Art (RCA), Vienna University of Technology, Royal Melbourne Institute of Technology (RMIT), Victoria University in New Zealand, Mok Won University in Seoul, Sung-sil University in Seoul and (CAFA) in Beijing. Shaun has written extensively about an ecological and environmental architecture in many international journals and highlighted by his book, *Disturbing Territories* (Springer Wein: 2006), which documents the complexities of unpacking the environment through architectural design.

