

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Name: Barber, P.

Category: A

FTE: 0.35

Identifier: 0610830058973

Year of entry:

Research groups: 1 - Architecture: Experimental Practice

RA2 - Research outputs

Output number: 1

Output type: Design

Title:

Doris's Place

Publication date: 17/09/2002

Media of output: Portfolio

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 1 - Architecture: Experimental Practice

Co-authors:

Additional authors:

Other relevant details:

Barber is well known as one of the most talented British architects operating in housing design, linking his research into the nature of street life with the creation of high-density housing models. This built project, completed and inhabited in 2002, consists of an ultra-dense mixed-use urban regeneration scheme on a 4.5m wide slot infill site in Hackney. The project wraps a retail unit, two maisonettes and a live/work unit around a central courtyard at first-floor level; by doing so it achieves a density level which is equivalent to 650 habitable rooms per hectare, almost three times the density of local development. Research issues explored by Barber included how to design models of high-density mixed-use building that could help improve urban sustainability, and how to utilise new fabrication technologies – notably the parabolic roof vault to the rear – given a tight budget and construction schedule.

In terms of research, Barber's scheme offers a novel spatial and technical response to the pressure on mixed-use development in a city like London with its land shortage and extremely high land unit costs. As such, Doris's Place contributes squarely to contemporary research into higher densities of urban living, as being urged upon the profession by bodies such as the Urban Task Force and by architectural figures like Lord Richard Rogers and Ricky Burdett. The project was shortlisted for a RIBA London Region Award, and was written up variously in the Guardian, Independent, etc.; the innovative roof construction was subsequently analysed in Building Design (6 May 2005, p. 22). Barber is frequently invited to give public lectures, now having presented nearly 50 talks across Britain and abroad – including a special session on housing policy at the Labour Party Conference in Manchester (October 2006), and at the Museum of Contemporary Art in Tehran, Iran (October 2007).

Output number: 2

Output type: Design

Title:

Cedars Road Hostel

Publication date: 11/06/2007

Media of output: Portfolio

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 1 - Architecture: Experimental Practice

Co-authors:

Additional authors:

Other relevant details:

This built project by Barber is one of a series of five hostel designs for St Mungo's Association around London. It acts as a stepping stone or 'mini-foyer' facility in Clapham for homeless people attempting to make the jump from institutional hostel living to independent living. This strategy is now enshrined as government policy, but Barber was the first to give it a distinctive architectural agenda. All these hostels are being part-funded by the Department of Communities and Local Government, and are seen as research exemplars for others to learn from. As such, the Cedars Road Hostel should be read in conjunction with the four further schemes for the same client association: one at Church Walk in Hackney, one the Cinderella House in Southwark, one at St Pancras Way near Kings Cross – all of them built and in use – and another, far larger scheme currently in design for a mixed hostel/housing development in Lewisham.

Research issues are those of how to adapt the program requirements and site conditions to create new types of low-cost community building for homeless people, and again how to utilise new fabrication technologies with a tight budget and construction schedule. The research driver in these projects is that of architecture as a social endeavour which can meet and enhance community needs. Cedars Road and its companion hostels should thus be understood as an ambitious and innovative attempt to devise an architectural approach which provides benefits to those in socially vulnerable positions without dominating or alienating them. The 'foyer' idea is one that developed in France and then Britain a decade or so ago, and which is now being given a new lease of life by these projects for St Mungo's Association. Cedars Road was written up glowingly in RIBA Journal (August 2007, pp. 40-46).

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Output number: 3
Title:

Output type: Design

Donnybrook Quarter
Publication date: 11/01/2005
Media of output: Portfolio

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 1 - Architecture: Experimental Practice

Co-authors:

Additional authors:

Other relevant details:

This built project by Barber is a dense mixed-use scheme with living units along with community, work and retail spaces – all configured into an innovative terrace/courtyard hybrid typology. Research issues include how to use the program requirements and site conditions to generate models of high-density housing, and how to reinforce the role of urban streets as socially cohesive devices in the contemporary city. As such, the Donnybrook scheme should be seen as a further contribution to investigations into densified urban living, with the aim of improving urban sustainability. The notion of the street as the locus for social interaction has a long pedigree within architectural thought, as promoted by writers like Jane Jacobs and Richard Sennett. Barber had previously designed a well-received masterplan proposal which sought created a renewed sense of street culture in two Dalston estates, as discussed in *Building Design* (9 March 2001, pp. 12-13) and *Local Government News* (July/August 2001, p. 16).

The Donnybrook Quarter is published in *Accommodating Change* (Circle 33 Housing Group, 2002) and *The Buildings of England – London Vol.5: East* (Yale, 2005, pp. 625-6). The scheme was positively reviewed in the architectural press, including *Building Design* (24 February 2006, pp. 12-15) and *RIBA Journal* (April 2006, pp. 32-40). It was also included in the New London Architecture Exhibition in 2005. The project originated when it won Circle 33's 'Accommodating Change: Innovation in Housing' competition in 2002, and subsequently it received a Housing Design Award (2004; shortlisted again in 2006). The Donnybrook Quarter was highly commended in the Royal Academy Summer Show Architecture Awards (2004), received an American Institute of Architects (UK/London Chapter) Design Excellence Award (2006), and won a RIBA Regional Design Award (2006). The scheme was included on the long-list for the 2006 Stirling Prize, and only just narrowly missed the final cut.

Output number: 4
Title:

Output type: Design

Tanner Street Estate
Publication date: 19/01/2007
Media of output: Portfolio

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 1 - Architecture: Experimental Practice

Co-authors:

Additional authors:

Other relevant details:

Barber in this project again tackled the issue of designing a substantial mixed-use scheme, this time consisting of 250 living units and community, work and retail spaces in its novel terrace/courtyard hybrid. Altogether, it creates a distinctive higher-density urban quarter in Barking. The scheme essentially develops the Donnybrook Quarter model to create a lower cost and thus more widely applicable system. Jestico & Whiles were the collaborating architects on the project to help with the construction phase, but the research and design was done 100% by Barber. Research issues again involved how to use the program requirements and site conditions to create innovative high-density housing, but this time with particular emphasis on techniques for reducing costs in mass housing provision.

Once more, the Tanner Street Estate also sought to build on the ideas of Donnybrook in how to revive and strengthen the use of the urban street as a crucial social device. Hence it should be read in conjunction with ongoing housing projects by Barber that are currently in the design stage for English Partnerships in Morecombe, Milton Keynes, etc. – as well as those being done for other developer-clients in London, Exeter and elsewhere. All these schemes are conceived as research exercises in how to achieve socially sustainable models of mass housing, this being linked to technical innovations by testing out timber frame or metal frame construction in the variants. The Tanner Street Estate itself was warmly reviewed in the architectural press, including *Building Design* (16 March 2007), pp. 10-13. It was given a Housing Design Award (2005; shortlisted again in 2007), and it won a 2007 RIBA Regional Design Award (2007). Barber has given nearly 50 public lectures on his housing projects, most recently at the Museum of Contemporary Art in Tehran, Iran (October 2007).

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Name: Bold, J.A.

Category: A

FTE: 0.50

Identifier: 0010836736826

Year of entry:

Research groups: 2 - Architecture: Historical and Cultural Studies

RA2 - Research outputs

Output number: 1 **Output type: Authored book**

Title:

Guidance on Inventory and Documentation of the Cultural Heritage

Publisher: Council of Europe

Year of publication: 2001

Number of pages: 130

ISBN: 9287147094

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 2 - Architecture: Historical and Cultural Studies

Co-authors:

Additional authors: 0

Other relevant details:

Bold's highly regarded research into British architectural history and his work with English Heritage and the Royal Commission for Historic Monuments has seen him positioned as an important figure in helping to advise on conservation issues in other countries. This particular volume, which was funded by and written for the Council of Europe (CoE), establishes and explains the relevant guidance for documenting the built cultural heritage within the forty-seven member states that are covered by the CoE. The text was written 100% by John Bold, although it was produced as a result of collaborative work carried out as part of a wider editorial team. The 'core data index', which forms the basis of this explanatory and illustrative text, was subsequently agreed by the CoE's Committee of Ministers as its Recommendation R (95) 3, following the work of a group of international heritage documentation specialists which was chaired by Bold. The book forms an earlier companion piece to – and hence should be read alongside – another important publication in the series for the Council of Europe written entirely by John Bold. That book is the Guidance on Heritage Assessment (Council of Europe, 2005). Both of these major contributions to heritage documentation and management are being widely used in the field, and as a result have been translated into a number of other languages, including French and Serbo-Croat.

Output number: 2 **Output type: Journal article**

Title:

Comparable Institutions: The Royal Hospital for Seamen and the Hotel des Invalides

Journal title: Architectural History

Month/year of publication: October 2001

Pagination: 136-144

Volume: 44

ISSN: 0066-622X

DOI:

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 2 - Architecture: Historical and Cultural Studies

Co-authors:

Additional authors: 0

Other relevant details:

This innovative and highly informative essay offers a close comparison between two well-known historical buildings in England and France, the Greenwich Royal Hospital and the Hotel des Invalides – both of which were set up with different motives by their respective states to care for injured sailors and soldiers. As such, the essay builds on Bold's previous seminal research on the Greenwich Hospital, as was published with Yale University Press and the Paul Mellon Center for Studies in British Art in 2000. In this particular development, this research offers a model for cross-cultural comparisons in architectural history. John Bold's acknowledged pre-eminence in the study of seventeenth-century British architectural history led him to be asked to contribute no less than six entries to The Oxford Dictionary of National Biography (Oxford University Press, 2004), one of the seminal publishing achievements of our time anywhere in the world.

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RAE 2008 : RA2 - Research outputs

Output number: 3

Output type: Research report for external body

Title:

Integrated Rehabilitation Project Plan: Survey of the Architectural and Archaeological Heritage (IRPP/SAAH): Regional Programme for Cultural and Natural Heritage in South-East Europe: Kosovo/UNMIK.

Commissioning body: Council of Europe/European Commission

Publisher: Council of Europe/European Commission

Publication date: 01/05/2004

Number of pages: 100

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 2 - Architecture: Historical and Cultural Studies

Co-authors:

Additional authors:

Other relevant details:

This book by Bold, written as part of a major joint project that was funded by the Council of Europe (CoE) and the European Commission, is the result of extensive on-site research and consultation into the architectural and cultural heritage of Kosovo, the war-torn region of the former Yugoslavia. The text was written 100% by Bold, who has had a long-standing involvement in the province ever since writing a Study on the State of the Cultural Heritage in Kosovo for the CoE in 2001. He has subsequently contributed to the preparation of the Cultural Strategy for Kosovo (2003) and has served since 2004 as CoE representative on the Independent International Commission for the Cultural Heritage of Kosovo, contributing to the on-going discussions on the so-called 'Final Status' of the province.

Bold also arranged for the display of the travelling photographic exhibition, 'Architectural and Urban Heritage of Prizren, Kosovo', held at the Building Centre (January 2002). The Kosovo publication forms a companion piece to – and hence has to be read alongside – a further two publications in this particular series for the Council of Europe and the European Commission on the cultural heritage of the countries of south-east Europe. Once again, both of these books were written entirely by John Bold. These are the Integrated Rehabilitation Project Plan: The Former Yugoslav Republic of Macedonia (Council of Europe/European Commission, 2003), and the Integrated Rehabilitation Project Plan: Bulgaria (Council of Europe/European Commission, 2004). All of the three books by Bold are used as research models for other scholars operating in the field of architectural conservation in politically sensitive regions.

Output number: 4

Output type: Chapter in book

Title:

The Royal Hospital buildings at Greenwich

Editors: Dannatt, Johnson Architects

Book title: Maritime Greenwich Campus

Publisher: Dannatt, Johnson Architects

Year of publication: 2002

Pagination: 2-14

ISBN: 0954409000

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 2 - Architecture: Historical and Cultural Studies

Co-authors:

Additional authors:

Other relevant details:

This contribution was written as part of the major renovation of the Royal Hospital at Greenwich by Dannatt, Johnson Architects, and thus Bold – as the world-leading expert on this important building – was asked to provide the initial section which outlined the various state institutions involved in constructing the complex, followed by a more in-depth historical essay. Both texts were part of the ongoing research being carried out by Bold as the historical consultant on this important conservation project. And as such, it formed part of Bold's long-standing involvement in the group that was successful in getting Maritime Greenwich designated as a World Heritage Site, and whose achievements were subsequently published in Maritime Greenwich: The Official Guide (Collins and Brown, 2002) – with most of the text for that book again being written by Bold.

Bold has given several public lectures on the building, including at Winterthur (2004), and also leads high-level guided tours for the Historic Houses Association and the Society for the Protection of Ancient Buildings. Furthermore, he has been responsible for preparing the text and illustrations for explanatory historical panels displayed at the Queen's House since 2001, and at the Greenwich Visitor Centre (old Royal Naval College) since 2003. John Bold was made a member of the Assembly of the University of Greenwich from 2002-03, and more recently served as a member of a group of specialist consultants which advised the Greenwich Foundation on the preparation of a (successful) Heritage Lottery Fund bid for a new visitor centre. He has also written an extensive consultancy report in 2006 on Greenwich Market for the Trustees of Greenwich Hospital.

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RAE 2008 : RA2 - Research outputs

Name: Colletti, M.

Category: A

FTE: 0.48

Identifier: 0610830057150

Year of entry:

Research groups: 3 - Architecture: The Polytechnic

RA2 - Research outputs

Output number: 1 **Output type: Artefact**

Title:

Nurbsters

Location: 2004 Venice Biennale, Italy

Publication date: 12/09/2004

Media of output: Portfolio

Is duplicate: Yes

Is interdisciplinary: No

Pending publication: No

Research group: 3 - Architecture: The Polytechnic

Co-authors:

Additional authors:

1: Cruz, M.

External author: No

Other relevant details:

The Nurbsters series is the term given to ongoing design research investigations by Colletti and Cruz, both of whom contribute 50% each to the project, as part of their work as marcosandmarjan architects. Nurbsters comprise an innovative series of models and full-size prototypes which have been designed and built over the last 4 years, most of them being conceived for exhibitions and installations. The most important Nurbsters exhibition as yet was at the 2004 Venice Biennale. Chronologically, however, they consist of Nurbster I – a prototype wall (London 2003, Prague 2004); Nurbster II – a desk (Venice, Lisbon, Aveiro, São Paulo 2004-05); Nurbster III – exhibition islets (Prague, Bratislava, Kosice 2004-05); Nurbster IV – a seat (Taiwan, 2005); Nurbster V – another seat (2005); Nurbster VI – a generic structure (2005); Nurbster VII – a house design (Lisbon, Badajoz, Mérida, Cáceres 2005); Nurbster VIII – a winter garden (Badajoz, Madrid 2006).

In all these cases, both the design and manufacturing processes are completely computerised, with the construction relying on the use of MDF, plywood or metal boards. The underlying intention of the Nurbsters series is to develop various typologies for interior design and urban furniture through complex double-curved forms and the latest building technologies. A series of notched sections create a complex object to fit the programmatic, structural, ergonomic requisites. In this it reinterprets the traditional Chinese wooden cut-joint fitting technique and is thus ideal for quick assembly and disassembly. In research terms, the issue is how to develop new software-related aesthetics and forms by means of using 2D and 3D software, computer numerically controlled (CNC), and rapid prototyping technologies. All the Nurbsters projects have been extensively exhibited and reviewed, and they have attracted a number of international grants and sponsorship for design and manufacturing to date, totalling approximately £38,000.

Output number: 2 **Output type: Design**

Title:

Pavilion and Auditorium / Cafe, 75th Lisbon Book Fair

Publication date: 25/05/2005

Media of output: Portfolio

Is duplicate: Yes

Is interdisciplinary: No

Pending publication: No

Research group: 3 - Architecture: The Polytechnic

Co-authors:

Additional authors:

1: Cruz, M.

External author: No

Other relevant details:

As a result of exhibiting in the 2004 Venice Biennale, Colletti and Cruz as marcosandmarjan architects were jointly asked to design two temporary buildings for the 75th Lisbon Book Fair, one of these structures acting as a temporary information pavilion and the other as a pavilion housing a 150-seat auditorium and self-service cafeteria. Working together, Colletti and Cruz were each responsible for 50% of the resulting design. Their research aims were to use the program and site conditions to create what is a comparatively low-tech yet sophisticated public building – in particular using the latest digital modelling and manufacturing technologies to meet a tight budget and construction schedule. With only a relatively low budget of 400,000 Euros, the aim was to achieve a more sustainable approach that would nevertheless enhance the topographic and panoramic experience of the site. Thus the project can be understood in the line of contemporary investigations in which highly innovative digital technologies in the design process are being applied to cheap construction techniques.

The project was subsequently exhibited in Habitar Portugal in Lisbon (2006); the Royal Academy Summer Exhibition in London (2006), etc. A series of major articles and highly positive reviews were also written in various international magazines: *Costruire* (cover), *Jornal Público*, *JA Jornal Arquitectos*, and *Arq./a* (2005). Featured in Portuguese newspapers: *Independente*; *Jornal de Notícias*; *Diário de Notícias* (25 May 2005); *Expresso* (21 May 2005); *Agenda LX*. There was a radio broadcast by the national Portuguese radio station, Antena 1. The annual Lisbon Book Fair is considered one of the most prestigious events in the country, and so the building experienced a high number of visitors, totalling 2,000,000 people in 3 weeks; the pavilions by Colletti and Cruz gained extra media attention since it happened to be the 75th anniversary of the book fair.

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Output number: 3 **Output type:** Authored book
Title:

Interfaces-Intrafaces

Publisher: Springer

Year of publication: 2005

Number of pages: 120

ISBN: 9783211252321

Is duplicate: Yes

Is interdisciplinary: No

Pending publication: No

Research group: 3 - Architecture: The Polytechnic

Co-authors:

Additional authors:

1: Cruz, M.

External author: No

Other relevant details:

This book was written to accompany a widely travelled exhibition of work by marcosandmarjan architects, and it represents an equal output – 50% each – of the continuing research initiatives and investigations by Colletti and Cruz. The subject matter of this book is based on two specific research projects: 'Mimetic Intrafaces' and 'Inhabitable Interfaces'. Both of these strands seek to establish an innovative line of phenomenological enquiry within the realm of digital architectural design, with the aim of arriving at new typologies which can prompt different ways of inhabiting architectural space. This book hence places its emphasis on the interaction of humans and computers within the creation of digital architecture, and on possible new relationships between bodies and architecture. Exhibitions which the book draws on were on display at Feng Chia University, iCP Hamburg and TU Braunschweig (2005). Other related exhibitions have also taken place at The Royal Academy of Arts (2004); São Paulo Biennale (2003); Biennale di Porto Ercole (2002); etc.

Accompanying books related to this ongoing research project include Marcos Cruz / marcosandmarjan – Unpredictable Flesh (Mimesis, 2006), and 2&1/2D Twoandahalf Dimensionality (Bucher Verlag, 2007). Research work and building designs by Colletti and Cruz have been published in various authored articles, including Ilhas (2005); arq./a (2005); Bartlett Works (2004); Metaflux (2004); Revista NU (2004); Transcripts of an Architectural Journey (2004); São Paulo Biennale catalogue (2003); Influx (2003); Mesh (2003); Egg Magazine (2003); Realms of Impossibility (2002); etc. The authors have also presented around 20 international lectures and at 10 seminars/conferences. The publishers of Interfaces-Intrafaces, Springer Vienna/NewYork, chose the book as its lone candidate to an international competition for the best architectural book of 2005. Research for this book by Colletti and Cruz was funded by the British Council, iCP, Autonome Provinz Bozen, and Fundação para a Ciência e Tecnologia.

Output number: 4 **Output type:** Design
Title:

Xiyuan Entertainment Complex, Beijing, China

Publication date: 01/06/2007

Media of output: Portfolio

Is duplicate: Yes

Is interdisciplinary: No

Pending publication: No

Research group: 3 - Architecture: The Polytechnic

Co-authors:

Additional authors:

1: Cruz, M.

External author: No

Other relevant details:

This design by Colletti and Cruz was the winning proposal in an invited international competition for an 180,000m² entertainment complex to be located in front of the Yiheyuan Royal Summer Palace in Beijing, one of China's most important cultural sites. The project was designed equally – 50% each – through their practice, marcosandmarjan architects. Its primary research investigation was to look at how innovative CAD/CAM design and manufacturing techniques might be used to generate a new contemporary architectural identity amidst the rapid development now taking place in China. Hence the scheme sought to draw together innovative design solutions in terms of its building technology, typological layout and architectural language. The project's proximity to a World Heritage Site and the consequent height restrictions triggered a more contextual and low-density proposal, as opposed to the more pervasive western-style impositions of high-density commercial buildings which are sprouting up in Chinese cities.

There are four major aspects of the design: a new version of the traditional upturned tiled roof; a multiple-use programmatic element; some contextualisation in the building's forms; and the use of digital prefabrication to make the steel structure, stone cladding and wood detailing. This project for the Xiyuan Entertainment Complex was exhibited at the Venice Biennale (2004); Feng Chia University in Taiwan (2005); Royal Academy Summer Exhibition in London (2005); Metaflux in São Paulo, Lisbon and Aveiro (2005); etc. A major article was published on the project in Time+Architecture (2006), plus there were positive reviews in international magazines: 2G Dossier (2005); Ponto Final (2005); Construir (2004). The scheme was also illustrated in the RIBA Journal (2005), East of Eros catalogue (2005); Metaflux catalogue (2005); L'ARCA magazine (2005); etc. A broadcast on the scheme was also aired, along with a discussion of other contemporary architectural work by Rem Koolhaas and others, by CCTV-China.

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Name: Cruz, M.

Category: A

FTE: 0.48

Identifier: 0610830058940

Year of entry:

Research groups: 3 - Architecture: The Polytechnic

RA2 - Research outputs

Output number: 1

Output type: Artefact

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Location: 2004 Venice Biennale, Italy

Publication date: 12/09/2004

Media of output: Portfolio

Is duplicate: Yes

Is interdisciplinary: No

Pending publication: No

Research group: 3 - Architecture: The Polytechnic

Co-authors:

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University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Output number: 2

Output type: Design

Title:

Pavilion and Auditorium / Cafe, 75th Lisbon Book Fair

Publication date: 25/05/2005

Media of output: Portfolio

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Is interdisciplinary: No

Pending publication: No

Research group:

Co-authors:

1: Colletti, M.

External author: No

Additional authors:

Other relevant details:

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Output number: 3

Output type: Authored book

Title:

Interfaces-Intrafaces

Publisher: Springer

Year of publication: 2005

Number of pages: 120

ISBN: 9783211252321

Is duplicate: Yes

Is interdisciplinary: No

Pending publication: No

Research group: 3 - Architecture: The Polytechnic

Co-authors:

1: Colletti, M.

External author: No

Additional authors: 0

Other relevant details:

This book was written to accompany a widely travelled exhibition of work by marcosandmarjan architects, and it represents an equal output – 50% each – of the continuing research initiatives and investigations by Cruz and Colletti. The subject matter of this book is based on two specific research projects: 'Mimetic Intrafaces' and 'Inhabitable Interfaces'. Both of these strands seek to establish an innovative line of phenomenological enquiry within the realm of digital architectural design, with the aim of arriving at new typologies which can prompt different ways of inhabiting architectural space. This book hence places its emphasis on the interaction of humans and computers within the creation of digital architecture, and on possible new relationships between bodies and architecture. Exhibitions which the book draws on were on display at Feng Chia University, iCP Hamburg and TU Braunschweig (2005). Other related exhibitions have also taken place at The Royal Academy of Arts (2004); São Paulo Biennale (2003); Biennale di Porto Ercole (2002); etc.

Accompanying books related to this ongoing research project include Marcos Cruz / marcosandmarjan – *Unpredictable Flesh* (Mimesis, 2006), and *2&1/2D Twoandahalf Dimensionality* (Bucher Verlag, 2007). Research work and building designs by Colletti and Cruz have been published in various authored articles, including *Ilhas* (2005); *arq./a* (2005); *Bartlett Works* (2004); *Metaflux* (2004); *Revista NU* (2004); *Transcripts of an Architectural Journey* (2004); São Paulo Biennale catalogue (2003); *Influx* (2003); *Mesh* (2003); *Egg Magazine* (2003); *Realms of Impossibility* (2002); etc. The authors have also presented around 20 international lectures and at 10 seminars/conferences. The publishers of *Interfaces-Intrafaces*, Springer Vienna/NewYork, chose the book as its lone candidate to an international competition for the best architectural book of 2005. Research for this book by Cruz and Colletti was funded by the British Council, iCP, Autonome Provinz Bozen, and Fundação para a Ciência e Tecnologia.

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Output number: 4

Output type: Design

Title:

Xiyuan Entertainment Complex, Beijing, China

Publication date: 01/06/2007

Media of output: Portfolio

Is duplicate: Yes

Is interdisciplinary: No

Pending publication: No

Research group: 3 - Architecture: The Polytechnic

Co-authors:

Additional authors:

1: Colletti, M.

External author: No

Other relevant details:

This design by Cruz and Colletti was the winning proposal in an invited international competition for an 180,000m² entertainment complex to be located in front of the Yiheyuan Royal Summer Palace in Beijing, one of China's most important cultural sites. The project was designed equally – 50% each – through their practice, marcosandmarjan architects. Its primary research investigation was to look at how innovative CAD/CAM design and manufacturing techniques might be used to generate a new contemporary architectural identity amidst the rapid development now taking place in China. Hence the scheme sought to draw together innovative design solutions in terms of its building technology, typological layout and architectural language. The project's proximity to a World Heritage Site and the consequent height restrictions triggered a more contextual and low-density proposal, as opposed to the more pervasive western-style impositions of high-density commercial buildings which are sprouting up in Chinese cities.

There are four major aspects of the design: a new version of the traditional upturned tiled roof; a multiple-use programmatic element; some contextualisation in the building's forms; and the use of digital prefabrication to make the steel structure, stone cladding and wood detailing. This project for the Xiyuan Entertainment Complex was exhibited at the Venice Biennale (2004); Feng Chia University in Taiwan (2005); Royal Academy Summer Exhibition in London (2005); Metaflux in São Paulo, Lisbon and Aveiro (2005); etc. A major article was published on the project in Time+Architecture (2006), plus there were positive reviews in international magazines: 2G Dossier (2005); Ponto Final (2005); Construir (2004). The scheme was also illustrated in the RIBA Journal (2005), East of Eros catalogue (2005); Metaflux catalogue (2005); L'ARCA magazine (2005); etc. A broadcast on the scheme was also aired, along with a discussion of other contemporary architectural work by Rem Koolhaas and others, by CCTV-China.

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Name: Deriu, D.

Category: A

FTE: 1.00

Identifier: 0710830073397

Year of entry:

Research groups: 2 - Architecture: Historical and Cultural Studies

RA2 - Research outputs

Output number: 1

Output type: Chapter in book

Title:

Managing the Body and the City: The contested re-appropriation of London Underground in wartime

Editors: Czarniawska, Barbara and Solli, Rolf

Book title: Organizing Metropolitan Space and Discourse

Publisher: Liber

Year of publication: 2001

Pagination: 47-66

ISBN: 9147062533

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 2 - Architecture: Historical and Cultural Studies

Co-authors:

Additional authors: 0

Other relevant details:

This book chapter provides a strikingly novel and engaging account of the use of London Underground tube stations as collective bomb shelters during the Second World War, drawing at it does on fundamental archival research and also on ideas taken from cultural theory to reveal the way in which the use of such spaces played on national consciousness during the Blitz period in the Second World War. Here the essay sits as part of a pan-European, interdisciplinary book which explores different ways of organising the urban metropolis, as such bringing together writers in sociology, management theory, urban studies and architectural history. The research carried out by Deriu into this topic also fed into a major international conference in Gothenburg, Sweden on the management of the modern city, as well as into a BBC2 television programme by Dan Cruickshank. A lot of this material was subsequently presented by Deriu, amongst other venues, as a public lecture at the Faculty of Architecture in the Middle East Technical University, Ankara, Turkey (December 2005).

Output number: 2

Output type: Chapter in book

Title:

The Ascent of the Modern Planeur: Aerial images and urban imaginary in the 1920s

Editors: Emden, Christian and Keen, Catherine and Midgley, David

Book title: Imagining the City. Vol. 1, The art of urban living

Publisher: Peter Lang

Year of publication: 2006

Pagination: 189-212

ISBN: 9783039105328

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 2 - Architecture: Historical and Cultural Studies

Co-authors:

Additional authors: 0

Other relevant details:

This output was based on Deriu's doctoral research into how our understanding of modern cities has been shaped since the early-twentieth century by the impact of aerial photography. It was published as part of a major book series that looked at how we imagine and represent the modern urban environment, tracing the cultural meanings of the ways that writers, artists, architects and others have tried to represent the urban condition. The original contribution was presented by Deriu at an important international conference on 'Imagining the City' at St John's College, Cambridge in July 2004. Deriu also subsequently presented a substantial part of this subject material in a public lecture at the Faculty of Architecture, Turin Polytechnic, Italy (September 2004), as part of their lecture series for the Doctoral Program in Architectural History. He previously had received postgraduate funding for his doctoral studies from the Arts and Humanities Research Board (AHRB; now AHRC) and from the Regional Department of Public Education of Sardinia, Italy.

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Output number: 3 **Output type:** Chapter in book
Title:

Picturing Ruinscapes: The aerial photograph as image of historical trauma
Editors: Guerin, Frances and Hallas, Roger
Book title: The Image and the Witness: Trauma, memory and visual culture
Publisher: Wallflower Press
Year of publication: 2007 **Pagination:** 189-203
ISBN: 9781905674206
Is duplicate: No **Is interdisciplinary:** No
Research group: 2 - Architecture: Historical and Cultural Studies
Co-authors:
Other relevant details:

Pending publication: No

Additional authors: 0

This book chapter develops another part of Deriu's doctoral thesis, looking more specifically at the use of aerial photography as a means of analysing bomb devastation in European cities during the course of the Second World War. The essay forms part of an innovative interdisciplinary book which looks widely at the ethical implications of visual images in our media-saturated age, referring to films, documentaries, advertisements, artworks, etc. – all being studied in an effort to investigate the ways in which images can bear testimony to historical events and also represent collective trauma. Deriu presented this paper at the ESF Exploratory Workshop on 'Global Theory, Local Practices, and the Research into Visual Matters', which was hosted by the Department of Art History and Theory, Vilnius Academy of Arts, Lithuania, under the aegis of the European Science Foundation (September 2007). Deriu had been able to finalise the work on this paper during a study period in early-2007 when he happened to have been appointed as a Visiting Fellow at the Paul Mellon Center for Studies in British Art, in Bedford Square, London. Again, it should be noted that his doctoral studies were funded by the Arts and Humanities Research Board (AHRB) and by the Regional Department of Public Education of Sardinia.

Output number: 4 **Output type:** Journal article
Title:

Montage and Modern Architecture: Giedion's implicit manifesto
Journal title: Architectural Theory Review
Month/year of publication: August 2007 **Pagination:** 36-59
ISSN: 1326-4826
URL: <http://dx.doi.org/10.1080/13264820701553096>
DOI: 10.1080/13264820701553096
Is duplicate: No **Is interdisciplinary:** No
Research group: 2 - Architecture: Historical and Cultural Studies
Co-authors:
Other relevant details:

Volume: 12(1)

Pending publication: No

Additional authors: 0

This refereed journal article offers an innovative reading of the links between film montage and modern architecture by undertaking a close analysis of the texts of Siegfried Giedion architectural historian and seminal cataloguer of the 'modern movement' through his role as secretary to the Congress Internationale d'Architecture Moderne (CIAM). The paper was also presented as a public lecture at the Faculty of Architecture in the Middle East Technical University in Ankara, Turkey (November 2006), as well as in a number of lectures in Britain at the Bartlett School of Architecture, UCL, and the Kent Institute of Art and Design, Canterbury. The final writing-up stage of the paper was in this case helped by Deriu having been appointed in mid-2007 as a Visiting Scholar at the Centre Canadien d'Architecture (CCA) in Montreal, Canada.

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Name: Fraser, M.

Category: A

FTE: 1.00

Identifier: 0310830026960

Year of entry:

Research groups: 2 - Architecture: Historical and Cultural Studies, 3 - Architecture: The Polytechnic

RA2 - Research outputs

Output number: 1

Output type: Chapter in book

Title:

Architecture's Urban Shine and Brutal Reality

Editors: Kerr, Joe and Gibson, Andrew

Book title: London: From Punk to Blair

Publisher: Reaktion Books Ltd

Year of publication: 2003

Pagination: 256-271

ISBN: 1861891717

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 2 - Architecture: Historical and Cultural Studies

Co-authors:

Additional authors: 0

Other relevant details:

Fraser is well known for a number of texts and reviews which over the years have tried to transfer a range of ideas drawn from cultural studies – and in particular those of post-colonial theory – into the analysis of architecture and urbanism. This particular essay thereby provides an undoubtedly fresh interpretation of the state of contemporary architecture in London, written primarily from the cultural studies viewpoint, and as such it was conceived as a central part of an interdisciplinary book that traces the development of Britain's capital from the days of punk music in the mid-1970s through to its present day concerns. A broad ranging publicity event and then a series of lectures were held at the Royal College of Art in order to highlight the various themes of the book, as organised by the book's editors, Joe Kerr and Andrew Gibson. The essay has often been used as a source by subsequent writers when discussing London's architectural context – and since then, Fraser has been asked to talk at a public conference on Tate Britain in late-2005, and to write a special piece on Docklands for inclusion in the journal, *Literary London* (July 2006).

Output number: 2

Output type: Other form of assessable output

Title:

Real-time digital modelling in design education and practice

Description of type: design software and a journal article

Location: Also appears as an article in *URBAN DESIGN International* pp187-196. ISSN 1357-5317

Publication date: 01/12/2004

Number of pages:

URL: <http://dx.doi.org/10.1057/palgrave.udi.9000126>

DOI: 10.1057/palgrave.udi.9000126

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 3 - Architecture: The Polytechnic

Co-authors:

Additional authors: 0

1: Bjornsson, H.

External author: Yes

Other relevant details:

This article in a leading refereed international journal describes the research work that has been carried out by Fraser along with Halli Bjornsson – the latter a trained architect turned computer games designer – into the potential of real-time, immersive modelling in architecture and urban design. This type of software enables the viewer to navigate around a virtual space and get a sense of what a design project might be like were it built. The essay absolutely needs to be read while looking at the accompanying CD which includes examples of the real-time environments that were created as part of the research, and which can be 'walked' around using a mouse and keyboard. Funding for the research has come from Oxford Brookes University, the University of Westminster, Sony, RTKL, etc. The resulting real-time models have been included in various exhibitions, including 'The Art of the Model Maker' exhibition at the Building Centre in Store Street (April-June 2002). Fraser was responsible for around 25% of the research involved in the actual real-time project, but then for writing 100% of the text in the refereed journal. Fraser has since given more than 10 public lectures on the topic of real-time digital research, in various venues in London, Birmingham, Cardiff, Oxford, etc. For example, the topic formed part of a specially invited talk by Fraser to the RIBA National Conference in the NEC exhibition centre in Birmingham (June 2002). The largest real-time model to date, carried out for the leading international practice RTKL, was exhibited at the MIPIM property development fair in Cannes (March 2004).

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Name: Goodbun, J.

Category: A

FTE: 0.50

Identifier: 0210831861312

Year of entry:

Research groups: 2 - Architecture: Historical and Cultural Studies, 3 - Architecture: The Polytechnic

RA2 - Research outputs

Output number: 1

Output type: Chapter in book

Title:

Public/Private Pedestrianship: Towards a critical experientialism of the inhabitable image

Editors: Jaschke, Karin and Ötsch, Silke

Book title: Stripping Las Vegas: A contextual review of casino resort architecture

Publisher: Bauhaus University Weimar Press

Year of publication: 2003

Pagination: 153-169

ISBN: 3860681923

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 2 - Architecture: Historical and Cultural Studies

Co-authors:

Additional authors: 0

Other relevant details:

Goodbun is known for his attempt to theorize the links between modern digital environments, mass communications, ideas of ecology, and Marxist analysis. This chapter here on the urban spatial relationships of Las Vegas, as contained within this internationally-orientated book, provides a novel examination of the dramatic casino hotels, and in doing so it helps to update the seminal research work that was carried out into Vegas by Robert Venturi and Denise Scott Brown in the late-1960s/early-1970s. More specifically, the changing status of the pedestrian in Las Vegas is explored as a means of examining a dialectical relationship between property ownership and architectural meaning. This results in, amongst other things, and extension of Venturi and Scott Brown's original categories to include 'Decorated Ducks'.

The overall intention of the book is to use the latest insights from critical theory to review the architecture and urban configurations which are found along Las Vegas Boulevard – the celebrated Strip – from a variety of perspectives. The Stripping Las Vegas book is thereby organised into two sections. The first collects together for the first time in a single volume the leading international theorists, of Las Vegas urbanism and casino design, drawing together essays by writers that include sociologists, historians, casino consultants, architects and architectural theorists. The book was generally well received, especially in Blueprint, where the reviewer described the chapter by Goodbun as being 'particularly excellent' (February 2004, p.75). Papers have also been given by Goodbun on the subject matter of this Las Vegas chapter at the Bauhaus Weimar Colloquium (October 2003) and at the Nuremberg Academy of Built Arts (May 2005), both of course in Germany.

Output number: 2

Output type: Chapter in book

Title:

Fame and the changing role of the drawing

Editors: Davies, Paul and Schmiedeknecht, Torsten

Book title: An Architect's Guide to Fame

Publisher: Architectural Press

Year of publication: 2005

Pagination: 51-63

ISBN: 075065967X

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 3 - Architecture: The Polytechnic

Co-authors:

Additional authors: 0

1: Jaschke, K.

External author: No

Other relevant details:

This chapter examines the changing intentions and purposes of drawing within architectural imagination and production, and discusses the problems as well as the opportunities that the production of images then creates for the profession. It hence explores the reciprocal relationship between publicity and everyday architectural practice, telling the unwritten stories behind how some of the most famous names got to be that way. In terms of the specific chapter on drawing, Goodbun was responsible for 60% of the research and writing work involved in the chapter, with Jaschke providing the remaining 40% of effort. Subsequently the work has been presented in public events, such as the lecture/research seminar held at the University of Brighton (March 2006).

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Output number: 3 **Output type:** Journal article
Title:

Marx, architecture and modernity

Journal title: Journal of Architecture

Month/year of publication: April 2006 **Pagination:** 169-185

Volume: 11(2)

ISSN: 1360-2365

URL: <http://dx.doi.org/10.1080/13602360600787066>

DOI: 10.1080/13602360600787066

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 2 - Architecture: Historical and Cultural Studies

Co-authors:

Additional authors: 0

1: Cunningham, D.I.

External author: No

2: Goodbun, J.

External author: No

Other relevant details:

This output in a refereed journal takes the route of expanding a conference review out into a wide-ranging assessment of the impact of Karl Marx, and thus of Marxist and neo-Marxist thought, on modern architecture. It has been very well received as a useful contribution to debate in many countries, such as being circulated widely amongst the students of David Harvey at a seminar course at Columbia University in New York. In terms of workload, Goodbun was responsible for about 60% of the research and writing involved in the essay. The co-author, who was responsible for the other 40% of the text, is Dr David Cunningham from the Department of English Literature at the University of Westminster, and who has worked on a good many cross-disciplinary projects with Goodbun. The work contained in this chapter was subsequently presented by Goodbun by himself at the Architectural Humanities Research Association's Annual PhD Research Symposium, held that time at the University of Edinburgh (April 2006).

Output number: 4 **Output type:** Chapter in book
Title:

Marx Matters: Aesthetics, technology and the spirit of matter

Editors: Lloyd Thomas, Katie

Book title: Material Matters: Architecture and material practice

Publisher: London, UK

Year of publication: 2006

Pagination: 67-78

ISBN: 9780415363259

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 3 - Architecture: The Polytechnic

Co-authors:

Additional authors: 0

Other relevant details:

This book chapter is based on ongoing doctoral research by Jon Goodbun that has been funded in part by the Royal Institute of British Architects' Research Fund. It offers a highly innovative reinterpretation of Marxist ideas in architecture by linking these to the emergence of empathy theory in nineteenth-century Germany and its links to pantheistic religious beliefs. These ideas are then linked forward to analyse the widespread use of networks and digital interfaces within contemporary architectural practice. As such, it provides an important contribution to a wide-ranging book which, as based on a major international conference on 'Material Matters' held at the University of East London (April 2004), seeks to emphasize the importance of solid, physically constructed matter in architecture, by looking at this issue in the broadest cultural way. Parts of the chapter have been included in lectures at universities in Britain, as well as at the Bauhaus University Weimar (October 2003) and at the Nuremberg Academy of Built Arts (May 2005). Subsequently, this particular research work was presented by Goodbun at the SLIC Architecture-Philosophy Conference at the University of Bradford on the topic of 'Network Architecture' (May 2005).

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Name: Greene, D.J.

Category: A

FTE: 0.20

Identifier: 8010831183658

Year of entry:

Research groups: 1 - Architecture: Experimental Practice

RA2 - Research outputs

Output number: 1 **Output type: Exhibition**

Title:

Archigram: Experimental architecture, 1961-1974

Venue: Mito, Japan

Opening date: 22/01/2005

Number of pieces: 40

Closing date: 27/03/2005

Media of output: Catalogue

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 1 - Architecture: Experimental Practice

Co-authors:

Additional authors: 2

1: Chalk, W.

External author: Yes

2: Cook, P.

External author: Yes

3: Crompton, D.

External author: Yes

Other relevant details:

This catalogue from an exhibition in Mito, Japan, is just one of many outputs that continue to be written on that most influential of British architectural groups, Archigram – indeed, the global influence of their ideas needs no elaboration. There have been a number of important venues for exhibitions on Archigram over the past few years, including in New York, Los Angeles, San Francisco, Seoul, Vienna, the Pompidou Centre in Paris, and the Design Museum in London. These Archigram catalogues have been translated into Japanese, Korean, French, etc. This has helped to keep the ideas of Archigram relevant to today's architectural practice. So although the group can be said to have only lasted in the loosest possible fashion from 1961-1974, its ongoing significance can be seen in the numerous books, articles, doctoral theses, etc. which continue to be written now. The most telling sign of this influence was the award to Archigram, including Greene, of the RIBA's Royal Gold Medal (2002).

The most significant recent contribution to the discussion of Archigram's work has been Simon Sadler's book: Archigram: Architecture without Architecture (MIT Press, 2005), which charts the worldwide impact of the group until this day. Only four of the original six 'core' members of Archigram are still alive today, and while it is notoriously difficult for outsiders to define exactly what each member's contribution was, the work of Greene is regarded as being truly seminal and accounts for at least 25% of Archigram's ongoing contribution to current architectural discourse around the world. Greene has continued to lecture extensively on the ideas and projects of the Archigram group around the world, such as at the University of Tokyo (January 2005), or at the Royal College of Art as part of the 'Group Therapy' series organised by Nigel Coates (October 2005).

Output number: 2 **Output type: Chapter in book**

Title:

Notes from the Institute of Electrical Anthropology

Editors: Hardingham, Samantha

Book title: Experiments in Architecture

Publisher: August

Year of publication: 2005

Pagination: 16-35

ISBN: 1902854217

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 1 - Architecture: Experimental Practice

Co-authors:

Additional authors: 0

Other relevant details:

This sole-authored book chapter in a book on experimental architecture allows Greene to outline his long-standing ideas for the Institute of Electrical Anthropology, a quasi-imaginary organisation that he set up in the early-1970s to talk about the ways in which new digital technologies and new forms of invisible trans-spatial communication were altering modern life – thus compelling us to rethink our ideas of what architecture ought to be. In the inclusion of the ideas of the Institute of Electrical Anthropology in this book, as edited by Hardingham, the chapter by David Greene rubs shoulders alongside other chapters by artists, technologists, engineers, clients, developers, etc. – all done in an effort to suggest a more open and creative form of architectural practice which might lead in turn to more original design solutions. Other leading international-standard contributors to the book included Cedric Price, Bruce McLean and Will Alsop.

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Output number: 3 **Output type:** Exhibition
Title:

The Prospectus of the Invisible University

Venue: London Architecture Biennale 2006, Clerkenwell, London

Opening date: 17/06/2006

Number of pieces: 6

Closing date: 24/06/2006

Media of output: Portfolio

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 1 - Architecture: Experimental Practice

Co-authors:

Additional authors:

1: Hardingham, S.

External author: No

Other relevant details:

This exhibition and research project, helped by Hardingham, is an updating of the famous Locally Available World Unseen Network (L.A.W.u.N.) project that Greene began in the late-1960s while still in Archigram. The original aim, which has now been substantially revised and mutated, was to look at how newly emerging invisible, trans-spatial communication technologies could lead to a new form of Invisible University as a model for tertiary education. In the interim, much of what was once speculation has now come to pass through the advent of the internet, intranet, text messages, etc. – hence this latest presentation for the 2006 London Architecture Biennale showed what the revised version of the project was becoming. As such it involved taking over a newspaper shop, putting up advertising holdings and posters, holding impromptu workshops, and a number of other discrete outputs. The exhibition installation featured in the local press and raised a good deal of discussion.

In terms of workload, Greene was responsible for 90% of the research and presentation material used in the exhibition installation and its ancillary outputs, and Hardingham for the other 10% involved in editing it. This latest research work has constantly been disseminated across the world through exhibitions and lectures, with for instance Greene talking about the Invisible University project in connection with the Archigram exhibition in Mito, Japan (December 2004). Elements of the project have also been exhibited at the Architectural Association, ICA, etc. The ongoing scheme for the Invisible University also featured as the subject for a specially invited interdisciplinary design workshop for the ESPRC Ideas Factory in Middlesbrough (May 2006), set up to look at ideas of designing for uncertainty; this event was jointly organised by Greene and Hardingham, and was then attended by many of Britain's leading mathematicians and scientists.

Output number: 4 **Output type:** Design
Title:

The Disreputable Projects of David Greene

Publication date: 01/10/2007

Media of output: Portfolio

Is duplicate: Yes

Is interdisciplinary: No

Pending publication: No

Research group: 1 - Architecture: Experimental Practice

Co-authors:

Additional authors: 0

1: Hardingham, S.

External author: No

Other relevant details:

This compendium of design work, assembled by Greene and Hardingham, pulls together the spectrum of Greene's output up to the present day. As such, it offers the first ever overview of his crucial international contribution to contemporary architecture, as reflected in the essay specially written by Robin Middleton for this study. Widely seen as the most original thinker in Archigram, plus the group's most poetic and rebellious spirit, it is near impossible to exaggerate the impact Greene has had as a theorist, educator and provocateur. He was the first to appreciate fully the impact that digitalization, miniaturization, wireless technology, etc. were to have on architecture – not leading to a heroic new kind of architecture, but to a questioning of (and indeed a retreat away from) architectural form itself. While such ideas are commonplace today, Greene was the first to articulate this condition clearly and to speculate about its consequences.

Many of these projects are ongoing, adopting new directions, and so this collected oeuvre – to be the subject of an exhibition and book by the Architectural Association in mid-2008 – constitutes the main career contribution by Greene, one of the most seminal thinkers in current architectural discourse and a widely revered figure across the world. In workload terms, Greene was responsible for 60% of the research and presentation, and Hardingham for the other 40% involved. Again, the work is widely disseminated in exhibitions such as: the FRAC Museum in Orleans, France (June-October 2003); Mori Art Museum in Tokyo, Japan (December 2004-March 2005); Barbican Art Centre in London (June-September 2006); Museum of Modern Art in Luxembourg (May-September 2007); etc. Greene's projects are scheduled for inclusion in the 'Cold War Modern' exhibition at the Victoria & Albert Museum (September-December 2008) and in the 'Home Delivery' exhibition at MOMA, New York (July-October 2008).

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Name: Griffiths, S.

Category: A

FTE: 0.20

Identifier: 0210831865103

Year of entry:

Research groups: 1 - Architecture: Experimental Practice

RA2 - Research outputs

Output number: 1

Output type: Design

Title:

Blue House

Publication date: 12/11/2002

Media of output: Portfolio

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 1 - Architecture: Experimental Practice

Co-authors:

Additional authors:

1: Holland, C.

External author: Yes

2: Jacob, S.

External author: Yes

Other relevant details:

Griffiths is the main designer in Fashion-Architecture-Taste (FAT), a practice known for their investigations into the contemporary use of popular iconography in architecture, as famously pioneered by Robert Venturi and Denise Scott Brown. This innovative live/work building, affectionately known locally as the 'Blue House', has a cartoon-like billboard character which communicates its function as a home and office. The front has a miniature scale, but the side addressing the main street is made deliberately big in feel. Built for £300,000, the project deploys an innovative use of standard construction methods. The house contains a maisonette for family of three, an office and a separate apartment. Research issues include how to utilise the program requirements and site conditions to create a type of urban housing that play visually on everyday notions about domesticity, yet how achieve this effect within a restricted budget. The scheme aims to achieve a sustainable design that matches with its innovative cultural reading of contemporary urban lifestyles.

The Blue House has been widely featured in books, including The Buildings of England – London Vol.5: East (Yale, 2005, pp. 113, 598); New Architecture in Britain (Merrell, 2003, p.165); New London Architecture (Merrell, 2005, p.163); Anglo Files: UK Architecture's Rising Generation (Thames & Hudson, 2005, pp. 112-27); Gritty Brits: New London Architecture (Carnegie Museum of Art, 2007, pp. 54-55). The project has likewise been extensively covered in architectural and national press, including Sunday Times, Financial Times, Independent, Evening Standard, Icon, L'Architecture d'Aujourd'hui, Building Design, Architecture Today, etc. Furthermore, the Blue House was nominated and shortlisted for the Mies Van der Rohe / European Union Prize for Architecture (2003). FAT is also run along with Sam Jacobs and Charles Holland, but Sean Griffiths was the exclusive designer for this project – his own home.

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Output number: 2

Output type: Research report for external body

Title:

Back to the Future: Staying with the suburban ideal

Commissioning body: Commission for Architecture and the Built Environment and Royal Institute of British Architects 'Building Futures' Group

Publisher: CABE/RIBA

Publication date: 21/01/2004

Number of pages: 17

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 1 - Architecture: Experimental Practice

Co-authors:

Additional authors:

Other relevant details:

Griffiths is known as a widely read, stimulating and often humorous writer on architecture and urbanism, and indeed for two years he penned a monthly column in Building Design. This sole-authored and highly polemical essay was commissioned jointly by the Commission for Architecture and the Built Environment (CABE) and the RIBA 'Building Futures' Group, with the author being asked to speculate about what housing conditions in Britain might be like in a few decades time. It was published with other texts under the breezy title of Housing Futures 2024.

Running against the dominant aspiration of bodies like CABE and RIBA for high-density brownfield development, Griffiths in this paper puts forward a very different case, one that envisages – and openly welcomes – the spread of American-style suburbia, but within a condition in which the presence of different ethnic groups in Britain has changed the character and meaning of suburbia by 2023. The document is publicised on the CABE and RIBA 'Building Futures' websites, with excerpts of the text by Griffiths, but it should be said that his promotion of suburbia did not go down too well with the commissioning bodies. Nonetheless, it makes a provocative read and sets out the case with aplomb. Not surprisingly, the sentiments of this text by Griffiths were better received in the USA, where lapsed post-modernists such as Robert Stern saw it as support for their long-standing research into the staunchly Anglo-American lineage of the residential suburb. As a result of this essay, linked with their intellectual debt to Robert Venturi and Denise Scott Brown, plus the sheer visual impact of FAT's design projects, Griffiths was invited by Stern as head of Yale University's school of architecture to become a Visiting Professor there for the 2007-08 academic year.

Output number: 3

Output type: Design

Title:

Islington Square housing project

Publication date: 17/04/2006

Media of output: Portfolio

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 1 - Architecture: Experimental Practice

Co-authors:

Additional authors:

1: Holland, C.

External author: Yes

2: Jacob, S.

External author: Yes

Other relevant details:

This built project arose after FAT was selected unanimously by residents in a 2003 competition to design new houses for the Manchester Methodist Housing Group within Urban Splash's New Islington development. Griffiths was FAT's lead designer in this project. The £2.3 million scheme comprises 23 two-to-four bedroom family homes and gardens. The design's aim is to unify the residents' desire for traditional homes with the masterplan commitment to innovative world-class architecture, and was developed in close collaboration with the occupants. The Islington Square Housing scheme is designed to meet ambitious sustainability targets, intended as an exemplar for future UK construction. The design reduces primary energy, CO2 emissions and water consumption, 'green' specification of materials and reduction of construction waste, design for life-cycle adaptability, etc. and has an EcoHomes 'excellent' rating. Hence the key issue was to develop a model for mass housing design, achieving a high standard of ecological awareness and more sustainable approach to housing provision.

Once again, the scheme has been widely covered in the architectural and national press, including BBC2's 'Culture Show', Guardian, Times, Financial Times, Daily Mirror, Evening Standard, L'Architecture d'Aujourd'hui, etc. It is also reviewed in: Anglo Files (Thames & Hudson, 2005, pp. 112-27); Gritty Brits (Carnegie Museum of Art, 2007, pp. 56-59); Building Design (28 April 2006, pp. 14-20); Building (31 March 2006, pp. 54-58); Blueprint (May 2006, pp. 84-87); Architecture Today (May 2006, pp. 56-61); Architectural Design (July/August 2006, pp. 122-128); etc. The scheme has won several awards: Best Public Housing Project in 2006 Brick Development Association Awards; Daily Telegraph's 'What House' Award; Building Magazine's 'Best Development' Award; Regeneration Partnership of the Year Award 2006. It was however famously rejected for a RIBA Regional Award (2007), despite intensive pressure on the judges from RIBA's headquarters and others to recognise it.

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Output number: 4

Output type: Design

Title:

Sint Lucas Art Academy, Boxtel, Netherlands

Publication date: 10/06/2006

Media of output: Portfolio

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 1 - Architecture: Experimental Practice

Co-authors:

1: Holland, C.

External author: Yes

2: Jacob, S.

External author: Yes

Additional authors:

Other relevant details:

This £3.5 million phased project creates a bold identity for a Dutch art school by rationalizing its spaces, both inside and outside. Griffiths was again FAT's lead designer. The unremarkable 1960s buildings are given a strong, colourful and unusual new appearance through decorative screens, surface treatments and signage. These elements communicate the inner life of a creative educational institution and enhance the outdoor spaces between the existing buildings. The thrust of the interior proposal was to increase the sense of identity and legibility in the main circulation spaces. This was achieved by integrating communal activities, such as study rooms, dining facilities and exhibition spaces, into the main corridors. These become more like streets with activities along them, fostering greater activity and exchange. Circulation spaces were made more generous with connections made more obvious to everyday users and visitors alike, further enhanced by punchy signage. The key research issues in the Sint Lucas project were how to develop a novel image for a contemporary educational institution, and how to use contemporary building techniques in order to create expressive popular iconography which has been largely eroded by modernism.

The resulting design for Sint Lucas Art Academy was extensively covered in architectural journals, including Building Design (26 January 2007, pp. 10-13); Architectural Review (March 2007, pp. 68-73); ArchitectuurNL (vol.62 no.2, 2007, pp. 16-19); etc. The project was nominated and shortlisted for the Mies Van der Rohe / European Union Prize for Architecture (2006), and won a highly prestigious RIBA European Design Award (2007). Griffiths has given nearly 50 public lectures on FAT's work, focussing recently on the Sint Lucas project as the practice's most complex piece of public design. These lectures include Yale University (January 2006), Royal College of Art (April 2006) and Tate Modern (May 2006 and June 2007).

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Name: Hardingham, S. I.

Category: A

FTE: 0.60

Identifier: 0310830026971

Year of entry:

Research groups: 1 - Architecture: Experimental Practice

RA2 - Research outputs

Output number: 1 **Output type:** Edited book

Title:

Cedric Price: Opera

Publisher: Wiley-Academy

Year of publication: 2003

Number of pages: 125

ISBN: 0470848758

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 1 - Architecture: Experimental Practice

Co-authors:

Additional authors: 0

Other relevant details:

Hardingham has built up a reputation over the years as an interpreter of the radical, experimental streak that has existed in British architecture, and in doing so she has found herself working in direct collaboration with figures like Cedric Price and David Greene of Archigram. This book offers the first comprehensive overview of the later project of Cedric Price, balancing previous retrospectives of his output. Carried out before Price's death, it was thus produced in very close consultation with the architect and in doing has provided an extremely valuable resource for scholars ever since, such as Stanley Mathews in his recent book, *From Agit-Prop to Free Space* (Black Dog Press, 2007). In this case of this output here, Hardingham was responsible for all of the editing and writing and interpretive work that was needed to frame Cedric Price's projects in the book. As someone who has become one of the world's leading experts on Cedric Price and his enduring influence, Hardingham has given well over 20 public lectures on his work, including the: Architectural Association (November 2003), where she contributed alongside Rem Koolhaas, Will Alsop, Phyllis Lambert and Lord McAlpine; Design Museum in October 2005; and London School of the University of Syracuse (November 2006, and again in November 2007).

Output number: 2 **Output type:** Edited book

Title:

Experiments in Architecture

Publisher: August Media Limited

Year of publication: 2005

Number of pages: 144

ISBN: 1902854217

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 1 - Architecture: Experimental Practice

Co-authors:

Additional authors: 0

Other relevant details:

This edited book on the subject of experimental architecture combines chapters by leading artists, technologists, engineers, clients, developers, etc. Altogether there were ten participants working as part of interdisciplinary teams, and these contributors included designers and artists of the calibre of Bruce McLean, Richard Wentworth, Cedric Price and David Greene. Discussed as a series of separate case studies, and providing a record of all the events, this output was constructed to act as a call for a more open, collaborative, creative form of architectural practice – which might lead in turn to more original design solutions. As the editor of the book, Hardingham was thus provided with an opportunity to explore some connections between the work of some of the contributors who had never been published together before, and to present some of their commonalities and differences for future discussion.

The book, which was funded by a grant from the Royal Society of Arts, was produced as an outcome of an Arts Council and NESTA-funded pilot project called the Architecture Lab. The framework for the project was organized in association with an organisation called Performing Arts Labs (www.pallabs.org). The Architecture Lab ran over the course of 2002-03, with Hardingham acting as a co-director, and it consisted of two week-long residential team workshops. It was supported by mentors such as Paul Finch and Jack Pringle, later President of the RIBA. The results were then presented at an event at the Architecture Foundation in London in late-2003. The book continues to be used and distributed by Performing Arts Labs to their other programmes in order to illustrate alternative ways of working across disciplines.

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Output number: 3

Output type: Design

Title:

The Disreputable Projects of David Greene

Publication date: 01/10/2007

Media of output: Portfolio

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 1 - Architecture: Experimental Practice

Co-authors:

1: Greene, D.J.

External author: No

Additional authors:

Other relevant details:

This compendium of design work, assembled by Hardingham and Greene, pulls together the spectrum of Greene's output up to the present day. As such, it offers the first ever overview of his crucial international contribution to contemporary architecture, as reflected in the essay specially written by Robin Middleton for this study. Widely seen as the most original thinker in Archigram, plus the group's most poetic and rebellious spirit, it is near impossible to exaggerate the impact Greene has had as a theorist, educator and provocateur. He was the first to appreciate fully the impact that digitalization, miniaturization, wireless technology, etc. were to have on architecture – not leading to a heroic new kind of architecture, but to a questioning of (and indeed a retreat away from) architectural form itself. While such ideas are commonplace today, Greene was the first to articulate this condition clearly and to speculate about its consequences.

Many of these projects are ongoing, adopting new directions, and so this collected oeuvre – to be the subject of an exhibition and book by the Architectural Association in mid-2008 – constitutes the main career contribution by Greene, one of the most seminal thinkers in current architectural discourse and a widely revered figure across the world. In workload terms, Hardingham was responsible for 40% of the research and presentation, and Greene for the other 60% involved. Again, the work is widely disseminated in exhibitions such as: the FRAC Museum in Orleans, France (June-October 2003); Mori Art Museum in Tokyo, Japan (December 2004-March 2005); Barbican Art Centre in London (June-September 2006); Museum of Modern Art in Luxembourg (May-September 2007); etc. Greene's projects are scheduled for inclusion in the 'Cold War Modern' exhibition at the Victoria & Albert Museum (September-December 2008) and in the 'Home Delivery' exhibition at MOMA, New York (July-October 2008).

Output number: 4

Output type: Edited book

Title:

Cedric Price: Potteries Thinkbelt

Publisher: Routledge

Year of publication: 2007

Number of pages: 118

ISBN: 9780415434126

Is duplicate: No

Is interdisciplinary: No

Pending publication: Yes

Research group: 1 - Architecture: Experimental Practice

Co-authors:

1: Rattenbury, K.

External author: No

Additional authors: 0

Other relevant details:

This book arose out of the first-ever 'Supercrit' event held at the University of Westminster, and was originally intended as a presentation by Cedric Price of his famous 1960s Potteries Thinkbelt project as a simulacra of a student crit in front of an expert audience. Unfortunately, his death prevented this format from happening, but nonetheless the event went ahead as a retrospective of this seminal scheme. Using the transcript of the event, along with a host of other research since, the book provides scholars with the most comprehensive and stimulating account so far of the Thinkbelt project and of its impact. It forms part of a book series being co-authored by Rattenbury, but in terms of this particular volume, Hardingham was solely responsible – 100% – for the editing, research and preparation work involved. The Supercrits have attracted a range of partners and funding bodies, including the Canadian Centre for Architecture in Montreal, Academy-Wiley, the RIBA, the Architecture Foundation (who now co-run the series) and Jackson Coles. These events have been frequently reviewed in the UK architectural and international and UK architectural press, including the Architects' Newspaper in New York, Building Design, Architects Journal, etc.

This volume fits into the ongoing research work being done by Hardingham as an ex-colleague of Cedric Price, as manifested in Cedric Price: Opera (Wiley-Academy, 2003), and Cedric Price: Retriever (Iniva, 2006; co-authored with Eleanor Bron). As noted, Hardingham has given well over 20 public lectures on Cedric Price's work and influence, including at the Architectural Association (November 2003) and the London School of the University of Syracuse (November 2006, and again in November 2007).

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Name: Hinchcliffe, T. F.

Category: A

FTE: 1.00

Identifier: 9210831410720

Year of entry:

Research groups: 2 - Architecture: Historical and Cultural Studies

RA2 - Research outputs

Output number: 1 **Output type:** Chapter in book

Title:

Peter Collins and Architectural Education

Editors: Latek, Irena

Book title: Peter Collins: Critical history of modern architecture

Publisher: Institut de recherche en histoire de l'architecture

Year of publication: 2003

Pagination: 19-28

ISBN: 2980782408

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 2 - Architecture: Historical and Cultural Studies

Co-authors:

Additional authors: 0

Other relevant details:

Hinchcliffe is known as a leading architectural historian who writes on a wide variety of topics, several of them to do with the modernist architectural heritage of her native country, Canada. This particular chapter, which sits in an edited book about the life and influence of Peter Collins, a leading British architectural theorist and academic who emigrated first to the USA and later Canada in the 1950s, provides an overview of his importance for architectural education. It forms part of a genuinely international account of this important architectural figure, with written contributions coming from top-level academics drawn from Canada, USA and Britain. The research material in this chapter was the result of an invited contribution that Hinchcliffe gave to a special conference held on Peter Collins and his work held at the Canadian Centre for Architecture (CCA) in Montreal.

Output number: 2 **Output type:** Chapter in book

Title:

Women and the practice of architecture in eighteenth-century France

Editors: Hills, Helen

Book title: Architecture and the Politics of Gender in Early Modern Europe

Publisher: Ashgate

Year of publication: 2003

Pagination: 83-96

ISBN: 0754603091

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 2 - Architecture: Historical and Cultural Studies

Co-authors:

Additional authors: 0

Other relevant details:

This output forms a chapter in an important edited book written by leading scholars in the field, with the aim of addressing head on the relationships between gender and the built environment, specifically in architecture, in early-modern Europe. Only in comparatively recent years have scholars begun to investigate the ways in which architecture plays a part in the construction of gendered identities. So far the debates have focused on the built environment of the nineteenth and twentieth centuries, much to the neglect of the early-modern period. Hence it was the decision of this book to focus very much on conditions in proto-capitalist Europe, a period which many scholars agree is also decisive for our contemporary western understanding of gender and sexuality. This book as whole, including Hinchcliffe's contribution to it, has been reviewed in a number of academic journals, including: English History Review (vol.120 no.489, 2005, pp. 1438-1440); Parergon (vol.22, no.1, 2005, pp. 235-237); Woman's Art Journal (vol.26 no.2, 2005-06, pp. 60-62); Urban History (vol.32 no.2, 2005, p. 365).

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Output number: 3 **Output type:** Journal article

Title:

Robert Morris, architecture and the scientific cast of mind in early eighteenth-century England

Journal title: Architectural History

Month/year of publication: October 2004 **Pagination:** 127-138

Volume: 47

ISSN: 0066-622X

DOI:

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 2 - Architecture: Historical and Cultural Studies

Co-authors:

Additional authors: 0

Other relevant details:

This essay by Hinchcliffe in a leading refereed journal is one of the very few serious contributions to the study of Robert Morris, one of the most important of early-eighteenth century architectural theorists in Britain but a figure who is little known or largely ignored today. The essay in particular traces his interest in the scientific advances of his era, building as they did on the contributions of a previous generation which included Isaac Newton, Robert Hooke and indeed Christopher Wren. As a piece of innovative research into the subject of early-modern architecture in Britain, it is now an essential source for anyone who is looking into the period. The research for this article began as an invited paper given at the conference on 'Re-Constructing British Classicism: New Approaches in Eighteenth-Century Architecture', as held at the Victoria and Albert Museum (July 2003). Once again, the topic shows the near-polymathic diversity of the historical subjects which Hinchcliffe deals with.

Output number: 4

Output type: Chapter in book

Title:

Marie Dormoy and the architectural conversation

Editors: Martin, Brenda and Sparke Penny

Book title: Women's Places: Architecture and design, 1860-1960

Publisher: Routledge

Year of publication: 2003

Pagination: 113-124

ISBN: 041528449X

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 2 - Architecture: Historical and Cultural Studies

Co-authors:

Additional authors:

Other relevant details:

This book chapter by Hinchcliffe is one of a number of case-study essays, all of them based on previously unpublished research, which deal with the relationship between specific women, buildings and the design process. As a collection, it shows a range of actual relationships between women and material culture in a number of historical periods, from those who engaged with the avant-garde of their day, to others who were more conservative and worked within prevailing traditions and conventions; their differing strategies and the ways in which the picture changed over a period of time in response to shifts in the contemporary aesthetic, economic, social and cultural climate of gender, architecture and design. As such, all of the authors – including Hinchcliffe – are noted within their disciplines for their original and pioneering research in the field of gender, architecture, material culture and the built environment. The book as a whole, including Hinchcliffe's contribution to it, was reviewed in a number of academic journals internationally, including an extensive piece written by Christopher Reed in the *Journal of Design History* (vol.18 no.3, 2005, pp. 301-304).

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Name: Martin, A.

Category: A

FTE: 0.53

Identifier: 0410830033389

Year of entry:

Research groups: 3 - Architecture: The Polytechnic

RA2 - Research outputs

Output number: 1

Output type: Design

Title:

Lemon Factory Extension, Messina, Sicily, Italy

Publication date: 05/02/2007

Media of output: Portfolio

Is duplicate: Yes

Is interdisciplinary: No

Pending publication: No

Research group: 3 - Architecture: The Polytechnic

Co-authors:

Additional authors:

1: Berglund, J.

External author: Yes

2: Hardy, S.

External author: Yes

3: Yau, A.

External author: No

Other relevant details:

Martin works for Urban Future Organization (UFO), an internationally networked architectural practice involved in advanced digital design and fabrication. This new administrative wing is being added to an existing factory outside Messina in Sicily, sitting adjacent to a production building which is actually Italy's largest producer of lemon juice and lemon extracts / essences. The brief was for a sequence of flexible spaces to house the reception area, staff offices, meeting spaces and canteen, along with a swimming pool and a fitness centre. The interior of the building reacts to the requirement to keep the spaces fluid and able to change their use over time. The project is currently on site and scheduled for completion in Spring 2008. In terms of research questions investigated, the key ones were how to develop new techniques of modulation design and structural design in what is a highly active earthquake zone, and then – given this crucial demand – how to create a new kind of flexible spatial organisation for a rapidly evolving company.

In its design processes, the Lemon Factory has to be understood as part of a line of projects being carried out by the UFO practice and by similar entities – such as Ocean or Foreign Office Architects – into free-form, fluid and linear architectural forms, allying to this the pursuit of new forms of digital design and manufacturing in architecture. This project has been exhibited like other UFO project in important events such as the 2004 Venice Biennale, 2006 Beijing Biennale, and also in books like the press through articles such as in Building Design (7 March 2003, pp. 12-15). Urban Future Organization is a collaborative practice in which Martin and Yau are senior design figures, both being equally responsible for designing major projects such as the Lemon Factory near Messina.

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Output number: 2

Output type: Design

Title:

Sarajevo Concert Hall, Bosnia and Herzegovina

Publication date: 22/06/2004

Media of output: Portfolio

Is duplicate: Yes

Is interdisciplinary: No

Pending publication: No

Research group: 3 - Architecture: The Polytechnic

Co-authors:

Additional authors:

1: Berglund, J.

External author: Yes

2: Hardy, S.

External author: Yes

3: Yau, A.

External author: No

Other relevant details:

This design – which won an international competition in 1999 – has been very substantially reshaped and improved by UFO to prepare it for construction. As a scheme, it extends the public surface of Sarajevo into and under the ground, forming a continuous space for the foyers, auditorium and service areas, as well as an outdoor landscape above which bleeds into the surrounding park. The open landscape allows an unobstructed flow of people across and within the site, creating a new public square. The underground planning eliminates the impact between the concert hall and its adjacent buildings, as well as the need for external facades. The ground acts as a thermal mass which increase the energy efficiency; solar gain is minimised, and overall the building environment is stable and controlled. Acoustically, an underground concert hall needs no sound reductive eternal envelope since earth possesses such good inherent acoustic properties.

Research-wise, the key issues were how to develop a concert hall design to meet the strictest energy performance standards, and how to achieve advanced acoustic performance in a major international venue. In both goals, research into aspects such as optimum acoustic performance was carried out with specialists from Arup Engineers, world-leaders in the field. Again, the building represents a thoroughgoing investigation into fluid architectural design, aided by digital software and manufacturing, here linked to the latest research in concert hall acoustics. The Sarajevo Concert Hall has been written up many times, and its latest phase is described in: *World Architecture* (May 2002, pp. 22-24); *Building Design* (7 March 2003, pp. 12-15); etc. As well as winning the original international competition, the reworked scheme was exhibited in the 2004 Venice Biennale and 2006 Beijing Biennale, amongst other public outings. Again, Martin and Yau are equally responsible for input to the revised design.

Output number: 3

Output type: Design

Title:

Generative Components

Publication date: 26/09/2006

Media of output: Portfolio

Is duplicate: Yes

Is interdisciplinary: No

Pending publication: No

Research group: 3 - Architecture: The Polytechnic

Co-authors:

Additional authors:

1: Berglund, J.

External author: Yes

2: Hardy, S.

External author: Yes

3: Yau, A

External author: No

Other relevant details:

Generative Components is the name given to a new kind of computer-aided-design software being pioneered by Bentley Microstation, and which is currently being beta-tested by leading international architectural practices such as Foster and Partners or Kohn Pedersen Fox, as well as in educational institutions like the University of Westminster or the Architectural Association's Design Research Laboratory. In basic terms, the aim of Generative Components is to switch architects away from previous types of digital design software – which have relied on points and vectors, and thus simulate analogue drawing techniques – and replace this with the algorithm-based, parametric modelling of more advanced software which can quickly generate a number of alternative design proposals once it is fed a set of defined input parameters. It constitutes a sea-change in the way that digital design can be conceived and executed in architecture.

Urban Future Organization (UFO) is heavily involved in the research and development of Generative Components, both through their practice's design projects and their postgraduate teaching at the University of Westminster and elsewhere. UFO's work in terms of developing Generative Components was given special prominence in their exhibition stand in the 2006 Beijing Biennale, and some of their work was included in the catalogue for that show. In addition, this work – in which both Martin and Yau are closely connected – has been displayed publicly in various other exhibitions in Europe, USA and Britain. The innovative digitally-generated design work of UFO was specially selected by Zaha Hadid as a guest critic for inclusion in *10 x 10_2: 100 Architects, 10 Critics*, (Phaidon, 2005, pp. 380-3), this book representing a survey of the world's most promising architectural practices.

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Output number: 4

Output type: Design

Title:

Mulini Valley Water Power Project, Amalfi, Italy

Publication date: 15/09/2005

Media of output: Portfolio

Is duplicate: Yes

Is interdisciplinary: No

Pending publication: No

Research group: 3 - Architecture: The Polytechnic

Co-authors:

Additional authors: 0

1: Berglund, J.

External author: Yes

2: Hardy, S.

External author: Yes

3: Yau, A.

External author: No

Other relevant details:

As an award-winning design by an invited international multidisciplinary team – which was led by an Italian architect, Luigi Centola, and an Italian academic, Mariagiovanna Ritano of Salerno University, with Miralles & Tagliabue also involved – this proposal looks into a number of crucial issues in energy conservation and architectural sustainability. The refurbishment of disused industrial buildings in Italy was set as a competition brief, with individual areas then assigned to teams as specific locales for investigation. The parts of this project designed by Urban Future Organization (UFO), which were for a youth hostel and a paper production facility in an old paper mill, respond to the current trend of what is called agri-tourism. They also reinstate the original spaces of the buildings by assigning them with new uses and new relationships to the landscape. Much of the UFO construction would be submerged underground to improve energy performance and to integrate better with the beautiful natural surroundings. The scheme thus blends innovation with contextualism.

Here the main research issues involved were how to develop a model of sustainable architecture that could meet the most stringent energy performance standards, and how to find innovative uses for neglected industrial buildings in an otherwise highly developed country such as Italy. As part of the ongoing search for digitally-derived and fluid architectural forms that is being pursued by UFO, this scheme thus adds in another, more ecologically orientated dimension. Not only winning its section of the original competition, the overall project was then also awarded the HOLCIM Foundation's European Gold Prize for Sustainability and was runner-up internationally in the HOLCIM Foundation's Global Silver Prize for Sustainability. These prizes represent the highest worldwide standard of thinking in terms of environmentally sensitive architectural design. Martin and Yau were again equally involved in UFO's contribution.

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Name: Peckham, A.

Category: A

FTE: 1.00

Identifier: 8110831199380

Year of entry:

Research groups: 2 - Architecture: Historical and Cultural Studies

RA2 - Research outputs

Output number: 1

Output type: Chapter in book

Title:

Rossi: Fame and familiarity

Editors: Davies, Paul and Schmiedeknecht, Torsten

Book title: An Architect's Guide to Fame

Publisher: Elsevier

Year of publication: 2005

Pagination: 83-102

ISBN: 075065967X

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 2 - Architecture: Historical and Cultural Studies

Co-authors:

Additional authors: 0

Other relevant details:

Peckham is one of the few scholars who continue to carry out a critique of what might be termed the rationalist strand of architectural thought – a dominant trend during the heyday of modernism, but now one that has dropped off the radar somewhat. To cite one example, for an architect who had such a major international impact up until his untimely death, Aldo Rossi has since become a prematurely forgotten figure. This sole-authored essay by Peckham is thus one of the relatively few texts in many years to add a reflective and critical dimension to the study of Aldo Rossi, showing how he could achieve such eminence while clinging always to his own deeply felt, collectivist and socialist vision of architecture. As in the rest of this edited book in which it sits, this chapter by Peckham also explores the reciprocal relationship between publicity and everyday architectural practice, telling the unwritten stories behind how some of the most famous names gained (or maybe lost) their reputations.

Output number: 2

Output type: Edited book

Title:

Narrating Architecture: A retrospective anthology

Publisher: Routledge

Year of publication: 2006

Number of pages: 516

ISBN: 0415374359

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 2 - Architecture: Historical and Cultural Studies

Co-authors:

Additional authors: 0

1: Madge, J.

External author: Yes

Other relevant details:

This edited anthology consists of a critical overview of the best articles over the past ten years published in The Journal of Architecture, one of the foremost international refereed journals in the field. Both of the editors appointed for the anthology, Peckham and Madge, were given a free hand by the JoA editorial board, being each of them equally responsible – 50% each – for independently reading, evaluating and re-conceiving the extensive source material. Selected papers were categorised thematically into the different sub-sections to the book, and then introduced via an evaluative introduction. The process involved extensive reading, critical interpretation and careful judgement of the available source material.

Topics covered as a result include sociology, philosophy, science, cultural studies, aesthetics and a wide range of others pertaining to the subject of architecture, provided by a truly global spread of authors. And the end result, representing in effect a record of preoccupations and changing trends over the last decade or so of global architectural discourse, offers a thoughtful and extremely useful source for future scholars. As such the book is already being widely cited by those discussing contemporary architectural research, such as recently by Iain Borden of the Bartlett School of Architecture in Architectural Review. The book was sponsored jointly by the RIBA and by The Journal of Architecture and its parent publishing company, Routledge/Taylor and Francis.

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Output number: 3 **Output type:** Journal article
Title:

Building Review Norwich Forum 1998-2001: Millennial prospect, coincident detachment

Journal title: Journal of Architecture

Month/year of publication: April 2007 **Pagination:** 209-227

Volume: 12(2)

ISSN: 1360-2365

URL: <http://dx.doi.org/10.1080/13602360701363569>

DOI: 10.1080/13602360701363569

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 2 - Architecture: Historical and Cultural Studies

Co-authors:

Additional authors: 0

Other relevant details:

This essay by Peckham in a leading international refereed journal offers a fresh and very closely argued analysis of a relatively recent project by one of the leading High Tech practices, Hopkins Architects, locating its design within the changes in the public patronage of library design in Britain. As a detailed case-study it offers a rare in-depth, critical examination of the kind of public building that the prevailing social, economic and political conditions deliver for us. The provision of library services in the building has attracted professional attention in Europe (and visiting librarians), but the architecture of Hopkins' scheme – and the 'lost' history of the building which it replaced – has not been scrutinised to the same extent, a situation which this text aims to redress.

Output number: 4 **Output type:** Edited book
Title:

Rationalist Traces; Special Issue of *Architectural Design*

Publisher: Wiley

Year of publication: 2007

Number of pages: 110

ISBN: 9780470028377

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 2 - Architecture: Historical and Cultural Studies

Co-authors:

Additional authors: 0

1: Rattray, C.

External author: Yes

2: Schmeideknecht, T.

External author: Yes

Other relevant details:

As a jointly-edited book which deals directly with the continuing persistence of rationalist thought within European architectural design, Peckham took on the lead role within the project. He was responsible for 50% of all the research, writing and editing work that was involved. Altogether this special issue of *Architectural Design* provides a learned and useful overview of a wide spectrum of contemporary continental designers, many of them still relatively unknown in Britain, or indeed in other countries. Peckham's contribution was particularly important in four sections of the book: 'The Dichotomies of Rationalism in 20th-Century Italian Architecture' (pp. 10-15); 'Dialogues with OMU' (pp. 62-67); Notes on Italian rationalist projects (pp. 16-25); and the essay 'On the Threshold of Rationalism' (pp. 6-9), a piece which forms the co-written introduction to the volume.

As the main editor involved, Peckham was also personally responsible for fine-tuning the Italian and German texts of contributors writing in their second language, as well as reworking the initial translation of the French section. The overall editorial work thus involved extensive liaison with all of the European practices and critics who are featured in this publication. It should also be pointed out that the background research behind this edited volume comes out of spells of ongoing visiting tutoring that have been carried out since 2005 by Peckham at the Department of Architecture in the University of Liverpool, in conjunction with Torsten Schmeideknecht.

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Name: Rattenbury, L. K.

Category: A

FTE: 0.80

Identifier: 0010831716720

Year of entry:

Research groups: 1 - Architecture: Experimental Practice, 2 - Architecture: Historical and Cultural Studies

RA2 - Research outputs

Output number: 1 **Output type: Edited book**

Title:

This is not Architecture: Media constructions

Publisher: Routledge

Year of publication: 2002

Number of pages: 251

ISBN: 0415234069

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 2 - Architecture: Historical and Cultural Studies

Co-authors:

Additional authors: 0

Other relevant details:

This edited book (now also available in e-book format) was conceived entirely by Rattenbury and was based on research supported by a £3,000 grant from the Arts Council of England. It contains an abridged version of – and extends on work from – her doctoral thesis, which had been supported by an SERC National Pool grant. The book is the first of its kind in Britain to look at the relationship of architecture to its media representations in books, newspapers, specialist journals, exhibitions, film and television. Drawing together a wide range of contributors – including historians, theorists, journalists, computer game designers, film-makers, technologists, architects – it offers a fresh interpretation of how architecture is, and might be, practiced. As well as conceiving and editing the whole book, Rattenbury was sole-author for four key sections: 'Introduction' (pp. xxi-xxiv); 'Iconic Pictures' (pp. 56-90); 'Think of it as a farm! : Exhibitions, books, buildings – an interview with Peter Smithson' (pp. 90-98); 'Naturally biased: Architecture in the UK national press' (pp. 136-156).

The book was reviewed internationally, including in the Journal of Architectural Education (May 2004), Casabella (12 March 2004), as well as in UK professional journals. On the basis of the book, Rattenbury was invited to speak on Architectural Books and Media Bias at the conference on 'Beyond Media: Intimacy' held in Florence (October 2003), organised jointly by the University of Florence and Image magazine. She later gave a paper on aspects of the subject matter at the Architectural Humanities Research Association's annual international conference at the University of Nottingham, 2005. Furthermore, the ongoing research started in the book has stimulated Rattenbury's current research project, which is on the portrayal of architecture in British novels; she was invited to speak on this latest work at the Royal Academy (December 2006).

Output number: 2 **Output type: Authored book**

Title:

Architects Today: The hundred greatest living architects

Publisher: Laurence King

Year of publication: 2005

Number of pages: 239

ISBN: 1856693694

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 1 - Architecture: Experimental Practice

Co-authors:

Additional authors: 0

1: Bevan, R.

External author: Yes

2: Long, K.

External author: Yes

Other relevant details:

Rattenbury is widely known to be one of the world's foremost architectural journalists, often being specially invited to review the latest work by luminaries such as Rem Koolhaas/OMA or Herzog de Meuron. In her journalistic work she has written extensively on a number of different issues, and so this book is in part an attempt to draw this research strand together into sharper focus. As an extremely wide-ranging survey of contemporary architecture, it possesses a genuinely international feel – with Rattenbury being the figure who single-handedly conceived the project and then decided to bring on board two respected journalists, Robert Bevan and Kieran Long, to help write the text. Rattenbury was thus responsible for around 50% of the actual research and writing work involved.

The book's aim is to widen the dissemination and understanding of global architectural culture for architects, students and interested non-specialists alike. It is the only book as yet which takes on the task of identifying the leading contemporary architects in every zone of the globe, to do so relying on lively vignettes and superb photography in order to communicate the sheer diversity and exuberance possible within architectural practice. The book was widely reviewed in Building Design and other professional journals in the UK. It has also been translated into Italian, Spanish, Dutch and Japanese. The book has recently been re-issued in a second, paperback edition, with a further translation into Korean; a Brazilian (Portuguese) version is now in development.

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Name: Watson, V.

Category: A

FTE: 0.50

Identifier: 8810836305653

Year of entry:

Research groups: 2 - Architecture: Historical and Cultural Studies, 3 - Architecture: The Polytechnic

RA2 - Research outputs

Output number: 1 **Output type: Chapter in book**

Title:

Mies van der Rohe: Drawing in space

Editors: van Eck, Caroline and Winters, Edward

Book title: Dealing with the Visual = Art history, aesthetics and visual culture

Publisher: Ashgate

Year of publication: 2005

Pagination: 209-241

ISBN: 0754634280

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 2 - Architecture: Historical and Cultural Studies

Co-authors:

Additional authors: 0

Other relevant details:

Watson is a scholar trying to forge links between research into architectural history and theory, and the creation of innovative and speculative project designs. Hence this book chapter offers a careful analysis of the drawing techniques of Ludwig Mies van der Rohe as the outcome of just one strand of research for a PhD by Design that Watson was then carrying out at the Bartlett School of Architecture, UCL. It sits within a book that is conceived as a comprehensive overview of how we engage with and understand the spectrum of visual imagery around us, and to do so it brings together texts by art historians, artists, architects, cultural theorists and others in an attempt to provide a wide-ranging interdisciplinary account of aesthetics and visual culture. This whole book, including Watson's chapter, has since been translated into Chinese.

Output number: 2 **Output type: Chapter in book**

Title:

On drawing forth, designs and ideas

Editors: Rendell, Jane and Hill, Jonathan and Fraser, Murray and Dorrian, Mark

Book title: Critical Architecture

Publisher: Routledge

Year of publication: 2007

Pagination: 237-246

ISBN: 9780415415378

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 2 - Architecture: Historical and Cultural Studies

Co-authors:

Additional authors: 0

Other relevant details:

This chapter in the Critical Architecture edited book, based on a paper given at the international conference of the same name at UCL in November 2005, takes its place on the section that looks at how architecture might be viewed or pursued critically through the medium of drawing. As such, the essay by Watson provides a theoretical overview of the relationship of drawings to the process of conceiving architectural ideas and then translating these into representations intended to convey specific projects. In a further development of the ideas in this paper and essay, Watson published a talk-piece text on 'The Big Air World: From Cotton to Air' in Architectural Design (November/December 2006, p. 61). She also then produced a demonstration piece entitled the Gateway Grids for the 'Brief City 2051' exhibition that was held at Hoxton Gallery, London (June-July 2006).

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RAE 2008 : RA2 - Research outputs

Output number: 3 **Output type:** Journal article
Title:

How Henri Lefebvre missed the modernist sensibility of Mies van der Rohe: Vitalism at the intersection of a materialist conception of space and a metaphysical approach to architecture

Journal title: Journal of Architecture

Month/year of publication: February 2007 **Pagination:** 99-112 **Volume:** 12(1)

ISSN: 1360-2365

URL: <http://dx.doi.org/10.1080/13602360701218276>

DOI: 10.1080/13602360701218276

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 2 - Architecture: Historical and Cultural Studies

Co-authors:

Additional authors: 0

Other relevant details:

This essay in a leading international refereed journal offers a thought-provoking re-reading of the work of Ludwig Mies van der Rohe by showing how the theoretical ideas of Henri Lefebvre – currently so popular amongst architectural writers – in fact missed out on the more problematic and nuanced aspects of Mies's thinking. In this way, it offers a useful corrective to the limitations of much critical theory, showing instead how the study of architectural designs can reveal hidden richness even when it does not seem to be immediately present. It also offers a re-reading of the qualities usually associated with minimalist design. As a further extension of this reinterpretation of the implicit sensuality within Mies van der Rohe's work, Watson has also since written an accompanying piece to tease out these ideas, in an essay on 'Air Grid: A New Colour Form' in *Colour: Design and Creativity* (vol.1 no.1, pp. 1-11).

Output number: 4 **Output type:** Journal article
Title:

The Cotton Caves @ Stevenage New Town

Journal title: Architectural Design Research

Month/year of publication: October 2007 **Pagination:** 110-125 **Volume:** 2(1)

ISSN: 1448 9007

DOI:

Is duplicate: No

Is interdisciplinary: No

Pending publication: No

Research group: 3 - Architecture: The Polytechnic

Co-authors:

Additional authors:

Other relevant details:

This output in a brand new Australian design research journal provides the first major public discussion of the final design work that was produced by Watson for her PhD by Design thesis. It shows the carefully composed and exquisite models of 'Air Grids' that she produced, with these then leading on to innovative architectural proposals for the reanimation of disused underground caves in her home town of Stevenage, an otherwise sleepy commuter town some 20 miles north of London. Previously, some of the ongoing design investigations by Watson for her thesis research had also been published in the special issue on 'Back to School: Architectural Education' in *Architectural Design* (September/October 2004, pp. 83-84), and in a piece by Watson on 'The Atmospheric Signifier' in *Dialog: Architecture, Design, Culture* (no. 106, September 2006, pp. 52-53), the latter being a leading Taiwanese architectural journal.

A special installation from the emerging Cotton Grid project was included in the Barnes Bun Architecture Biennale in Barnes, London (October 2005), and images of these grids later formed part of an exhibition with Niall McLaughlin Architects at the Photofusion Gallery in Brixton (July 2007). In addition, Watson was invited to present an international seminar on the research work contained for her PhD by Design at the Bauhaus University in Weimar, Germany (April 2004).

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RAE 2008 : RA2 - Research outputs

Name: Yau, A.W.

Category: A

FTE: 0.50

Identifier: 0710830060283

Year of entry:

Research groups: 3 - Architecture: The Polytechnic

RA2 - Research outputs

Output number: 1

Output type: Design

Title:

Lemon Factory Extension, Messina, Sicily, Italy

Publication date: 05/02/2007

Media of output: Portfolio

Is duplicate: Yes

Is interdisciplinary: No

Pending publication: No

Research group: 3 - Architecture: The Polytechnic

Co-authors:

Additional authors:

1: Berglund, J.

External author: Yes

2: Hardy, S.

External author: Yes

3: Martin, A.

External author: No

Other relevant details:

Yau works for Urban Future Organization (UFO), an internationally networked architectural practice involved in advanced digital design and fabrication. This new administrative wing is being added to an existing factory outside Messina in Sicily, sitting adjacent to a production building which is actually Italy's largest producer of lemon juice and lemon extracts / essences. The brief was for a sequence of flexible spaces to house the reception area, staff offices, meeting spaces and canteen, along with a swimming pool and a fitness centre. The interior of the building reacts to the requirement to keep the spaces fluid and able to change their use over time. The project is currently on site and scheduled for completion in Spring 2008. In terms of research questions investigated, the key ones were how to develop new techniques of modulation design and structural design in what is a highly active earthquake zone, and then – given this crucial demand – how to create a new kind of flexible spatial organisation for a rapidly evolving company.

In its design processes, the Lemon Factory has to be understood as part of a line of projects being carried out by the UFO practice and by similar entities – such as Ocean or Foreign Office Architects – into free-form, fluid and linear architectural forms, allying to this the pursuit of new forms of digital design and manufacturing in architecture. This project has been exhibited like other UFO project in important events such as the 2004 Venice Biennale, 2006 Beijing Biennale, and also in books like the press through articles such as in Building Design (7 March 2003, pp. 12-15). Urban Future Organization is a collaborative practice in which Yau and Martin are senior design figures, both being equally responsible for designing major projects such as the Lemon Factory near Messina.

University of Westminster : 30 - Architecture and the Built Environment

RAE 2008 : RA2 - Research outputs

Output number: 2

Output type: Design

Title:

Sarajevo Concert Hall, Bosnia and Herzegovina

Publication date: 22/06/2004

Media of output: Portfolio

Is duplicate: Yes

Is interdisciplinary: No

Pending publication: No

Research group: 3 - Architecture: The Polytechnic

Co-authors:

Additional authors:

1: Berglund, J.

External author: Yes

2: Hardy, S.

External author: Yes

3: Martin, A.

External author: No

Other relevant details:

This design – which won an international competition in 1999 – has been very substantially reshaped and improved by UFO to prepare it for construction. As a scheme, it extends the public surface of Sarajevo into and under the ground, forming a continuous space for the foyers, auditorium and service areas, as well as an outdoor landscape above which bleeds into the surrounding park. The open landscape allows an unobstructed flow of people across and within the site, creating a new public square. The underground planning eliminates the impact between the concert hall and its adjacent buildings, as well as the need for external facades. The ground acts as a thermal mass which increase the energy efficiency; solar gain is minimised, and overall the building environment is stable and controlled. Acoustically, an underground concert hall needs no sound reductive eternal envelope since earth possesses such good inherent acoustic properties.

Research-wise, the key issues were how to develop a concert hall design to meet the strictest energy performance standards, and how to achieve advanced acoustic performance in a major international venue. In both goals, research into aspects such as optimum acoustic performance was carried out with specialists from Arup Engineers, world-leaders in the field. Again, the building represents a thoroughgoing investigation into fluid architectural design, aided by digital software and manufacturing, here linked to the latest research in concert hall acoustics. The Sarajevo Concert Hall has been written up many times, and its latest phase is described in: *World Architecture* (May 2002, pp. 22-24); *Building Design* (7 March 2003, pp. 12-15); etc. As well as winning the original international competition, the reworked scheme was exhibited in the 2004 Venice Biennale and 2006 Beijing Biennale, amongst other public outings. Again, Yau and Martin are equally responsible for input to the revised design.

Output number: 3

Output type: Design

Title:

Generative Components

Publication date: 26/09/2006

Media of output: Portfolio

Is duplicate: Yes

Is interdisciplinary: No

Pending publication: No

Research group: 3 - Architecture: The Polytechnic

Co-authors:

Additional authors:

1: Berglund, J.

External author: Yes

2: Hardy, S.

External author: Yes

3: Martin, A.

External author: No

Other relevant details:

Generative Components is the name given to a new kind of computer-aided-design software being pioneered by Bentley Microstation, and which is currently being beta-tested by leading international architectural practices such as Foster and Partners or Kohn Pedersen Fox, as well as in educational institutions like the University of Westminster or the Architectural Association's Design Research Laboratory. In basic terms, the aim of Generative Components is to switch architects away from previous types of digital design software – which have relied on points and vectors, and thus simulate analogue drawing techniques – and replace this with the algorithm-based, parametric modelling of more advanced software which can quickly generate a number of alternative design proposals once it is fed a set of defined input parameters. It constitutes a sea-change in the way that digital design can be conceived and executed in architecture.

Urban Future Organization (UFO) is heavily involved in the research and development of Generative Components, both through their practice's design projects and their postgraduate teaching at the University of Westminster and elsewhere. UFO's work in terms of developing Generative Components was given special prominence in their exhibition stand in the 2006 Beijing Biennale, and some of their work was included in the catalogue for that show. In addition, this work – in which both Yau and Martin are closely connected – has been displayed publicly in various other exhibitions in Europe, USA and Britain. The innovative digitally-generated design work of UFO was specially selected by Zaha Hadid as a guest critic for inclusion in *10 x 10_2: 100 Architects, 10 Critics* (Phaidon, 2005, pp. 380-3), this book representing a survey of the world's most promising architectural practices.

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RAE 2008 : RA2 - Research outputs

Output number: 4

Output type: Design

Title:

Mulini Valley Water Power Project, Amalfi, Italy

Publication date: 15/09/2005

Media of output: Portfolio

Is duplicate: Yes

Is interdisciplinary: No

Pending publication: No

Research group: 3 - Architecture: The Polytechnic

Co-authors:

1: Berglund, J.

External author: Yes

2: Hardy, S.

External author: Yes

3: Martin, A.

External author: No

Additional authors:

Other relevant details:

As an award-winning design by an invited international multidisciplinary team – which was led by an Italian architect, Luigi Centola, and an Italian academic, Mariagiovanna Ritano of Salerno University, with Miralles & Tagliabue also involved – this proposal looks into a number of crucial issues in energy conservation and architectural sustainability. The refurbishment of disused industrial buildings in Italy was set as a competition brief, with individual areas then assigned to teams as specific locales for investigation. The parts of this project designed by Urban Future Organization (UFO), which were for a youth hostel and a paper production facility in an old paper mill, respond to the current trend of what is called agri-tourism. They also reinstate the original spaces of the buildings by assigning them with new uses and new relationships to the landscape. Much of the UFO construction would be submerged underground to improve energy performance and to integrate better with the beautiful natural surroundings. The scheme thus blends innovation with contextualism.

Here the main research issues involved were how to develop a model of sustainable architecture that could meet the most stringent energy performance standards, and how to find innovative uses for neglected industrial buildings in an otherwise highly developed country such as Italy. As part of the ongoing search for digitally-derived and fluid architectural forms that is being pursued by UFO, this scheme thus adds in another, more ecologically orientated dimension. Not only winning its section of the original competition, the overall project was then also awarded the HOLCIM Foundation's European Gold Prize for Sustainability and was runner-up internationally in the HOLCIM Foundation's Global Silver Prize for Sustainability. These prizes represent the highest worldwide standard of thinking in terms of environmentally sensitive architectural design. Yau and Martin were again equally involved in UFO's contribution.
