

Wood Awards IRELAND 2014



Wood Marketing Federation

promoting wood as a renewable, sustainable
and versatile natural material

WOOD AWARDS IRELAND SCULPTURES BY MICHAEL WARREN

Michael Warren was commissioned by the Wood Marketing Federation to create sculptures for Wood Awards Ireland 2014 for the overall and category winners. He was the obvious choice as wood has been his main medium in site-specific works in Spain, Korea, Andorra, England, Portugal, Japan, Ecuador, Greece, France, Morocco, USA and Saudi Arabia.

He has produced major work and shows in Ireland since his first solo exhibition in 1980. During the past four years he has held a number of critically acclaimed exhibitions including *Those who go / Those who stay*, Limerick City Gallery of Art (2014); *Unbroken Line*, Visual Centre for Contemporary Art, Carlow (2010); *Gravity*, Crawford Art Gallery, Cork (2011); and *One Foot in the Real World*, Irish Museum of Modern Art, Dublin (2013). In addition he has held three exhibitions in the Hillsboro Fine Art Gallery, Dublin.

Michael Warren has a longstanding association with architecture including collaboration with architects in works such as *Wood Quay*, Dublin and *Tulach a tSolais*, Oulart the Ballagh, Co. Wexford. In recognition of this collaboration along with his achievements in producing excellence in public sculpture, Michael Warren was awarded Honorary Membership of RIAI in 2012.

Wood Awards Ireland 2014, Michael Warren
Yew on brass base (525 x 65 x 58 mm)

Wood Awards
IRELAND 2014

Organised by the Wood Marketing Federation (WMF) and supported by the Royal Institute of the Architects of Ireland (RIAI).



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OVERALL WINNER
Dun Laoghaire Rathdown County
Council Operations and Maintenance
Centre, Ballyogan, Co.Dublin.

ACKNOWLEDGEMENTS

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Special thanks to the sculptor Michael Warren for creating the magnificent WAI 2014 awards in yew and elm.

The WMF acknowledges the following:

Jury: Ciaran O'Connor, State Architect; Dr. Sandra O'Connell, RIAI; Pearse Sutton, Cronin & Sutton; Des O'Toole, Coillte (central judging panel).

Simon O'Driscoll, Simon O'Driscoll Furniture; Ruth O'Herlihy, McCullough Mulvin Architects; Dr. Annette Hart, NUIG; Catherine Keane, CIT (category judging panel). Donal Magner (facilitator).

Wood Awards Ireland Advisory Group: Ciaran O'Connor, OPW; Dr. Sandra O'Connell, RIAI; Belinda Cobden-Ramsay, AHEC; David Venables, AHEC; Paul Harvey, WMF; Des O'Toole, Coillte; Dr. Eugene Hendrick, COFORD, Noel O'Connor; Department of Agriculture, Food and the Marine; Simon O'Driscoll, Simon O'Driscoll Furniture; and Niall Coulston, Enterprise Ireland.

Photography courtesy of the shortlisted entrants and: Neville Dukes (cover); Michael Moran/Donal Murphy (2, 6, 7, 8, 10, 12); Alice Clancy (36-37, 38, 39, 40, 41, 42); Christian Richters (25); Ros Kavanagh (14); Marie-Louise Halpenny (26, 27); Brian T McElherron (28); Ross Kavanagh (20); Paul Tierney (13); Donal Magner (38, 44).

RIAI co-ordinator: Dr. Sandra O'Connell

Design: Magner Communications & Grasshopper Graphics

Editorial consultancy: Dr. Sandra O'Connell

WMF secretariat: Anne Jefferies

Project manager and editor: Donal Magner

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Judging Wood Awards

Judging Wood Awards Ireland took place during September and October 2014. The judges selected from 64 entries including site visits to 19 projects in Counties Cork, Dublin, Meath, Wicklow, Kildare, Galway and Westmeath.

Judges Simon O'Driscoll, Pearse Sutton and Ruth O'Herlihy inspecting Contemplation Space in the Mater Hospital, Dublin.

Dr. Annette Hart, Ciaran O'Connor, Dr. Sandra O'Connell and Donal Magner inspecting Old House-New House, Loughrea, Co. Galway.

Ciaran O'Connor (second from the left), chair of the WAI jury with Eamon Peregrine architect of Courtyard Extension, Crumlin, Des O'Toole and home owner Barry O'Mahony.



WMF CHAIRMAN

Wood Awards Ireland promotes wood as a sustainable material in innovative construction and design. The awards were initiated by the Wood Marketing Federation to acknowledge and reward registered architects, engineers and designers who work in Ireland and overseas, incorporating wood as an inherent medium in their projects. The emphasis is on innovation and sustainability.

The project is a collaboration between a number of stakeholders including timber processors, manufacturers and timber treaters as well as architects, engineers, designers, woodworkers and craftspeople who bring the projects to fruition.

We in the WMF are delighted that the RIAI has supported the project from the outset. This partnership was essential in maximising the impact of WAI and in achieving buy-in among the various practitioners. We acknowledge the generous support and sponsorship from COFORD (the Programme of Competitive Forestry Research for Development), Department of Agriculture, Food & Marine, Enterprise Ireland, AHEC (American Hardwood Export Council), Enterprise Ireland and Coillte.

Submissions were accepted from practitioners throughout Ireland – north and south – who incorporate wood as the inherent medium in innovative projects. The international dimension of the project was extremely important, so WAI was open to Irish practitioners based overseas who complete innovative work for Irish and international markets.

Special thanks is due to the judging panel, Ciaran O'Connor, State Architect; Dr. Sandra O'Connell, RIAI; Simon O'Driscoll, Simon O'Driscoll Furniture; Des O'Toole, Coillte; Ruth O'Herlihy, McCullough Mulvin Architects; Pearse Sutton, Cronin & Sutton; Dr. Annette Hart, NUIG; and Catherine Keane, CIT who had the arduous task of selecting a shortlist of projects from 64 worthy entries. The contest highlighted that timber is increasingly the material of choice for sustainable modernism in Irish construction and manufacture.

Paul Harvey

RIAI PRESIDENT

The RIAI welcomes this initiative which celebrates the skill of architects in using the unique qualities of sustainable timber. The entries from our sister professions demonstrate the wide engagement and multi-disciplinary collaboration that we encourage.

From the Finnish Birch Ply that was used extensively in the studios of my school of architecture, through the simple modular wood framing used by the late Walter Segal, to the elegance of Louis Kahn's beautiful timber work – wood became an integral element of my own vision of space. Having had the privilege of visiting Katsura Imperial Villa in Japan, I began to understand the potential of this tactile, manageable material.

We have been using wood for shelter for many thousands of years. In spite of the development of its use to the sophistication that is evident in the award winners, we still get the comfort of those millennia and that basic understanding of its utility and humility. We feel at home with it.

The use of wood is so deeply rooted in our psyche that, even when we see the Acropolis, we understand that it is essentially petrified forest. Look carefully at the Doric order and you will see post, beam, purlin, rafter and sarking. Even our great classical architecture originates from the same humble material.

Architects were amongst the first to understand and address the questions of sustainable forestry. We have always understood the simple chemistry of oxygen and carbon and the science of trees. While these concerns may not directly affect the entries that were received for the Wood Awards Ireland, they put them into the wider context that is our habitat. That global vision is what is at the core of architecture – our place in the world.

I hope that Wood Awards Ireland goes from strength to strength. On behalf of the RIAI, I extend thanks to the WMF and all of the others who have made these awards possible, not least the entrants.

Robin Mandal

FOREWORD

Wood means something to most of us. Who can think of any other material that is so rich in qualities as wood? It can be easily moulded and profiled. It can be both a strong structure and a lightweight external skin for a building. It is physically and psychologically warm. It is simultaneously part of nature's ecology and our collective culture. Different species such as oak and spruce can have their own design language that speaks of their own physical attributes. From ancient shelters in forest clearings, to traditional craft and innovative design, wood has shown itself to be a natural, authentic and ecological material capable of great pragmatic and poetic beauty.

Wood is a simple but not simplistic material. It responds to insight and intellect. It needs knowledge and respect plus a real and responsive wood culture if it is to grow and develop in Ireland. These awards are a contribution to that wood culture. The awards system is based on site visits followed by shortlisting projects and not just based on photographs, drawings and promotional text.

The judges are from a wide variety of backgrounds. An assessor with any interest in a submitted project had to withdraw from the adjudication of that category. We looked at the particular challenge to be solved, the design quality of the solution, and the build quality of the executed project. The best projects not only fulfilled these criteria but exceeded them. They have the watermark of excellence.

In the 'Large-Scale Public Building' category the Award goes to the Dun Laoghaire Rathdown Operations and Maintenance Centre at Ballyogan. The 3,700m² office building uses timber in a holistic way, exploiting its versatility for a variety of end uses, from structure to windows, to achieve its environmental design goals. This is the work of innovative and knowledgeable designers in whose hands wood finds its full expression. This is essence over image.

The 'Small Private Building-Structural Award' goes to the "double" house at Slievebawnogue in the foothills of the Dublin Mountains. A potentially negative combination of strict planning and significant site constraints has been transformed into a positive response to both site and client brief. The disused quarry in a conifer plantation has been skilfully and respectfully altered to make a unique setting for a special building.

The 'Restoration and Conservation Award' goes to the Dublin Dental Hospital for its vital and dignified new timber insertions into five protected old buildings. Creativity and respect combine with site-specific inventive thought and different levels of intervention and restoration such that the new whole is more than just the sum of its historic past.

The 'Furniture Award' is made to the Cork Dell "Tree" which oscillates between a piece of furniture and an art work installation. Some 400 separate yet interconnected elements of white oak climb 15 metres in a four-storey atrium. This is a timber installation of great technical skill and bravado.

The 'Innovation Award' goes to the Contemplation Space in the new Mater Hospital. This egg shaped lattice structure creates a fishnet of enclosed space for calmly sitting and waiting in an otherwise frenetic entrance foyer. Shape, function, technology and craft production are forged into an inhabited sculptural entity.

The 'International Award' goes to the "Vessel" at the Venice Architectural Biennale on 2012. This soaring installation is for the imagination. It is large yet incremental in scale. Both a place to interact and reflect.

The 'Overall Wood Award' was a difficult choice between the three category winners. It goes to the Ballyogan Operations and Maintenance Centre. This project explores and exposes the intrinsic values of wood. There is a tenacity of purpose to reach high standards of architectural design which are further illustrated by a thorough grasp of detail and structure.

This project integrates wood into design and environmental awareness matched with poetic vision. A fitting overall winner in a very fine group of category winners.

CIARAN O'CONNOR FRIAI
STATE ARCHITECT
CHAIRPERSON, WAI JUDGING PANEL



OVERALL WINNER WOOD AWARDS IRELAND 2014

Project: Dun Laoghaire Rathdown
County Council Operations and
Maintenance Centre, Ballyogan

Dun Laoghaire Rathdown County
Council (DLRCC) Architects
Department and
Bucholz McEvoy Architects Ltd.

Suppliers: Gem Joinery and
Weihag AG

Lead Architects: Bob Hannan,
DLRCC Architects Department and
Merritt Bucholz, Bucholz McEvoy
Architects Ltd.

Lead Engineer: Lee McCullough

Main Contractor: PJ Elliot, ABM
Construction



Ballyogan Operations and Maintenance Centre is a low-energy naturally ventilated building. The design has optimised passive solar gain, controlled to prevent overheating by the use of automatically controlled blinds and a mixture of manually and automatically controlled timber windows and timber vertical ventilator panels.

EUROPEAN LARCH
Larix decidua



EUROPEAN REDWOOD
SCOTS PINE or Red Deal
Pinus sylvestris



EUROPEAN WHITEWOOD
NORWAY SPRUCE or White Deal
Picea abies



Ballyogan Operations and Maintenance Centre, winner of the Wood Awards Ireland overall award.

The timber in the Ballyogan Operations and Maintenance Centre is left unfinished and will age naturally (overleaf).



CATEGORY

LARGE-SCALE PUBLIC BUILDINGS

Open to public and commercial buildings, commissioned by public or private clients. Building projects such as schools and universities, hospitals, local government buildings, offices, hotels, restaurants, libraries and other buildings with public access.

CATEGORY WINNER
Dun Laoghaire Rathdown County Council (DLRCC) Architects
Department and Bucholz McEvoy Architects Ltd.

HIGHLY COMMENDED
Box Architecture Ltd.

COMMENDED
Solearth Architecture Ltd.

WINNER
LARGE-SCALE
PUBLIC BUILDINGS
DLRCC MAINTENANCE CENTRE

Dun Laoghaire Rathdown County Council
 (DLRCC) Architects Department and
 Bucholz McEvoy Architects Ltd.
 (Project team featured in page 7)

Approximately 1,000 tonnes of carbon dioxide have been sequestered within the timber structure of the Ballyogan Operations and Maintenance Centre.



HIGHLY
COMMENDED
BALLYROAN LIBRARY

The initial design idea was to create a building easily understood by the public user. A 'timber skin' wrapping and folding to denote the public spaces was chosen and used in the main internal street, gallery space and public stairs leading to a research room.

Movable walls for flexibility, using two different systems, a single pivot and double track system were used. A simple wire hanging system was used to maintain a clean timber surface. Timber was used on the ceilings in the gallery area maintaining the timber wrap.



AMERICAN WHITE OAK
Quercus alba



BIRCH
Betula spp.

Lead architect: Box Architecture Ltd.
 Gary Mongey (Project Architect),
 Ross Millaney (Assistant), Terry
 Murphy & Archdox

Quantity Surveyors: Burton
 O'Connor, Mike Burton, Louise
 O'Connor

Structural Engineer: Lohan &
 Donnelly, Frank Madden, Denis
 Kealy, Pat Russell

Main Contractor: MDY Ltd.





COMMENDED AIRFIELD EVOLUTION

At Airfield, new materials were chosen on the basis of embodied energy and life cycle costing. Accoya (ascetic acid treated soft wood) is used throughout as a cladding material in order to provide a durable, sustainable alternative to tropical hardwoods.



EUROPEAN RED-
WOOD, (SCOTS
PINE or red deal)
Pinus sylvestris



ACCOYA from
MONTEREY PINE
Pinus radiata



SITKA SPRUCE
Picea sitchensis

Architect: Solearth Architecture Ltd.

Conservation Architect: Eunan
McLoughlin Architects

Cafe Fit-out: PKA

Structural and Civil Engineers: Casey
O'Rourke

Service Engineers: In2

Quantity Surveying: Davis Langdon

Landscape Architect: Dermot Foley

Garden Design: ALB

Main Contractor: Glenbeigh
Construction Ltd.



CATEGORY

SMALL-SCALE PRIVATE BUILDINGS

To include privately funded projects
for private or community clients.
Open to residential properties either
new build or extensions

CATEGORY WINNER
Clancy Moore

HIGHLY COMMENDED
James Corbett Architects

COMMENDED
Eamon Peregrine Architect
Colm Doyle, DMVF Architects
Peter Legge Associates

WINNER
SMALL SCALE BUILDING-
STRUCTURAL
SLIEVEBAWNOGUE –
DOUBLE HOUSE



DOUGLAS FIR (OREGON PINE)
Pseudotsuga menziesii



EUROPEAN OAK
Quercus spp.



IROKO
Milicia excelsa

Architects: Clancy Moore (Andrew
Clancy and Colm Moore)

Structural Engineer: Malcolm Jacob

Main Contractor: Mick Waldron

Timber sub-contractor: Matthew
O'Malley

This project involves the construction of a multi generational dwelling, capable of being used as a single house, two semi-detached houses or four apartments. Situated in a disused quarry with uncertain ground conditions of discarded spoil, the houses act as an inhabited bridge, spanning between natural and man-made outcrops of service structures and a shared entrance staircase.



HIGHLY COMMENDED
OLD HOUSE/NEW HOUSE

Cedar-clad extension provides a spatial element that is missing from the original house in that the external volume of the extension is an exact expression of its internal space. It is a discreetly-lit, sculpted counterpoint to the more rigid, cellular interior of the existing refurbished house, achieved through material selection, building form and spatial truth.

WESTERN RED CEDAR
Thuja plicata



Architects: James Corbett Architects (Maria Donoghue and James Corbett)

Structural Engineers: John McBeath, AFM Consulting Engineers

Main Contractor: Timothy Gardiner



COMMENDED COURTYARD EXTENSION

A two-storey mid-terraced house extended to provide a kitchen, dining and living area. A plywood liner defines the junction with the existing house. The exposed timber framed structure of red deal and birch plywood sits on a ground concrete base. Douglas fir is used for the joinery and cladding.



DOUGLAS FIR (OREGON PINE)
Pseudotsuga menziesii



BIRCH
Betula spp.



EUROPEAN REDWOOD
(SCOTS PINE or Red Deal)
Pinus sylvestris

Architect: Eamon Peregrine

Main Contractor: Clonlough.ie

Structural Engineer: Liam Keogh,
Downes Associates



COMMENDED COTTAGE CUBED

The Cottage cubed project comprises the refurbishment of a derelict protected mid-19th century fisherman's cottage. The modest 25m² floor area of the existing cottage called for a carefully considered design execution and an economy of means to provide the required programme of accommodation.

The cube is constructed from Grade B birch plywood.

Functionally, the cube operates as both architecture and furniture and it was necessary to construct it from a material which was versatile, aesthetically warm, loadbearing and durable to meet the requirements of the brief.



BIRCH
Betula spp.

Architect: DMVF Architects
Colm Doyle,

Contractor: Joe Maghery,
Tirgarve Ltd.

Cabinet Maker: Shane Kummer
Aspect Kitchens



COMMENDED MEATH HOUSE

Architects: Peter Legge Associates

Engineers: Casey & O'Rourke Associates

Contractor: GEM Construction



SIBERIAN LARCH
Larix sibirica



AMERICAN ASH
Fraxinus spp.

The building was designed to become a part of an arboretum that shaped the approach to the site carrying through to the building itself, externally and internally.

The selected timber is Siberian larch sustainably sourced from the Irkutsk region and left untreated with an open jointed profile allowing airflow around the boards for greater stability and durability.

The main timber installation internally is in the serpentine wall of the hallway where American white ash sustainably sourced from the Appalachian mountain range of North America was used for the walls and concealed doors with a pattern similar to the exterior arrangement.



CATEGORY

RESTORATION AND CONSERVATION

Open to public and private projects that emphasise the creative use of wood in conservation, restoration, renovation and repair.

CATEGORY WINNER
McCullough Mulvin Architects

COMMENDED
Lawrence and Long Architects

Patrick Sheehan Sawmills Ltd.

WINNER RESTORATION DUBLIN DENTAL HOSPITAL

This is an idea about inhabiting forgotten rooms of varying scale in the city, with a view to transforming the potentiality of a series of ordinary city structures into a richly layered internal environment. Three levels of intervention, spliced into a predefined solid existing matrix, provide Dublin Dental Hospital with extended space on their city centre site including the addition of dramatic new 'pods' containing a library overlooking Trinity College.

The Hospital acquired five protected structures, each of which was treated with differing levels of restoration and intervention. Timber panelling found behind layers of beauty-board was reset internally: a new take on the panelled room. Fireplaces and floorboards were stripped back and reinstated. Timber – in all cases limed American white oak – was the material chosen to provide the contemporary patina.



AMERICAN WHITE OAK
Quercus alba

Architects: McCullough Mulvin Architects

Engineers: O'Connor, Sutton Cronin Engineers

COMMENDED WAINSCOTED



EUROPEAN OAK
Quercus spp.



BIRCH
Betula spp.

Architects: Lawrence and Long
Architects

Main Contractor: Oikos Furniture Ltd.

The Wainscoted project involved the refurbishment of an early 19th century protected structure Georgian building in Dublin. The client's brief was to provide four apartments. It was decided at an early stage not to subdivide the rooms to accommodate bathrooms and kitchens, in order to reinstate the quality of the original rooms.

Developing the idea of traditional wainscoting, walls were lined with 2.2 metre high European white oak paneling. By varying the thickness of the oak paneling, bathrooms, kitchens and storage are accommodated while maintaining the character, details and proportions of the original rooms.



COMMENDED
KILBEGGAN DISTILLERY
TIMBER WATERWHEEL

The waterwheel restoration project in Kilbeggan Distillery is a major historic and landmark project. Founded in 1757, Kilbeggan is the oldest distillery in Ireland and the sensitive conservation project recreates the link with the distillery's proud heritage. Home grown larch and oak were used by Sheehan Sawmills when restoring the floats on the waterwheel and the sluice gate. The wood, sourced from Coillte, is FSC certified.



PEDUNCULATE OAK
Quercus robur



EUROPEAN LARCH
Larix decidua

Company: Sheehan Sawmills Ltd.

Project team: Industrial Archaeologist,
 Dr Fred Hammond with Patrick
 Sheehan, Sheehan Sawmills as
 contractors and Athy Foundry
 supplying the ironwork.



CATEGORY
FURNITURE

Projects accepted from designers, furniture makers and collaborations between designers and makers of: bespoke furniture, to include one-off pieces; and production furniture to include single or ensemble pieces produced in commercial quantities.

CATEGORY WINNER
 Simon & Tadgh O'Driscoll
 Gensler Architects
 H.J. Lyons & Partners
 Jason Cronin,
 Virtus Contracts Management

COMMENDED
 Eamon Peregrine and Tom Maher

WINNER FURNITURE DELL

Detailed design, installation: Tadhg O'Driscoll and Simon O'Driscoll, O'Driscoll Furniture

Project Manager: Jason Cronin, Virtus Contracts Management

Project Architects: Finghin Curraoin, Henry J Lyons & Partners

Concept Architects Gensler, London

Engineers: MMOS, Cork



AMERICAN WHITE OAK
Quercus alba

This design was conceived by Genslar Architects London in collaboration with Henry J Lyons Architects Dublin. Detailed design and execution was by O'Driscoll Furniture. This structure spans four floors of an atrium with a total overall height of approximately 15m. Best described as a 'tree', it comprises over 400 separate and individually unique timber elements in American white oak veneer on an MDF core, with solid oak edging all around.

A technically demanding project requiring an ability to work within very precise tolerances and alignments. In this context O'Driscoll Furniture brought their technical know-how to the project and worked with the design team to ensure their design concept could be realised.





COMMENDED 8 BY 4 BOOKCASE

Objects conceived and defined by being CNC (computer numerical control) machined from sheet material with the premise of minimum material wastage and ease of assembly.

Pieces slot jointed together without the use of fixings. The choice of material is defined by the end user.



BIRCH
Betula spp.

Designers: Eamon Peregrine and Tom Maher



CATEGORY INNOVATION

Internal and external functional and non-functional works push the boundaries in creative and innovative wood design. Shortlisted projects explore new uses for wood in construction, design and other aspects of sustainable living. This category is open to new and traditional wood usage and design including permanent and temporary projects.

CATEGORY WINNER
Michael Goan Architects
Garvan deBruir, Laura Magahy

COMMENDED
Seán Harrington Architects
Casey O'Rourke Associates
Eugene Boyle, Woodcollective

WINNER INNOVATION CONTEMPLATION SPACE

Concept: Laura Magahy – MCO
Projects

Designer: Garvan deBruir

Architect: Michael Goan

Contractor: John Sisk Training &
Education Centre

This collaborative project was developed by designer Garvan deBruir with architect Michael Goan from a concept by Laura Magahy. The joinery details and fabrication of the piece were developed with Dave Tracey and the staff and apprentices at the John Sisk Training & Education Centre. The space was conceived as a free-standing sculptural form inserted into the main foyer of the new Mater Adult Hospital Development. It provides a retreat for reflection away from the busy processes and interactions associated with the functioning of a large hospital.

The form is constructed using American white ash lattice and is a development of a structural form previously explored by Garvan deBruir. An additional layer of lattice work at low level was introduced to provide increased visual privacy and structural stability while maintaining a degree of passive observation by hospital staff. The tapering internal bench and complex curved entrance portal were conceived as insertions into the pure structural form. The complex laminated entrance arch was hand-crafted by Garvan deBruir at his workshop using laminated ash and leather.



AMERICAN ASH
Fraxinus spp.



AMERICAN BLACK WALNUT
Juglans nigra



COMMENDED INNOVATION PALLET OPEN AIR, DUBLIN

This innovative pop-up outdoor theatre was a temporary project for one month during September 2013 when it was the third most visited attraction in Ireland. A 300-person open-air amphitheatre was designed by Seán Harrington Architects, masterplan by A2 Architects and constructed by young people from the Dominick Street flats in Dublin and from loyalist districts of Belfast, with direct hands-on help from the architects. As well as a forum for performances and a destination at the end of Granby Park, the building process itself was an initiative by Upstart to explore cross-border collaboration.

The theatre is a circular form, defined by a single curved wall of varying heights. Made from 1200 stacked timber pallets sourced in the local markets area, it referenced the sectarian bonfires built for July 12 in Northern Ireland but, in contrast, was accessible, inclusive and open in form and function.



SITKA SPRUCE
Picea sitchensis

Architects: Seán Harrington Architects (Seán Harrington, Brian Hutchinson, Ryan Gillespie); Granby Park masterplan by A2 Architects

Structural Engineers: Casey O'Rourke Consulting Engineers (John Pigott)



COMMENDED INNOVATION GARDEN OF PLENTY

Architect: Woodcollective – Eugene Boyle
Horticulture Consultant: Carol Melody



SITKA SPRUCE
Picea sitchensis

The concept underlying the Garden of Plenty – Sustainable Living was multi-layered, like the very soil that feeds it and the sustainable wood that encloses it. There is a poetic, educational and sensory dimension in its design and realisation. Its form and organic foundation draw on cyclical themes of seasons and growth as well as the natural systems on which the edible productive garden depends. Timber and timber products were supplied by Murray Timber Group, Coillte Panel Products and Laois Sawmills. The Garden of Plenty – Sustainable Living was awarded the Silver Gilt Medal at Bloom 2013.



CATEGORY

INTERNATIONAL WOOD AWARD

Open to international projects in construction, furniture design and restoration. Entries also invited for functional and non-functional (temporary or permanent) innovative projects installed overseas.

CATEGORY WINNER
O'Donnell + Tuomey Architects

COMMENDED
John McLaughlin Architects and
Gary A. Boyd



WINNER INTERNATIONAL VESSEL

Vessel is a wood-stack temporary structure that was designed and constructed as a special installation for the international exhibition at the Venice Architecture Biennale 2012. The structure was meticulously assembled from 5,250 pre-sawn panels of Sitka spruce sourced in Coillte forests and processed by Glennon Bros. Sawmills. The construction of Vessel became an experiment in the design control of Sitka spruce, a demonstration of the aesthetic potential of a raw material not previously recognised for its fine detail.

Vessel with its 9-m high sculptural light funnel rising from a 4m x 4m floor plan was a pivotal element at the Venice Biennale and was seen by 178,000 visitors.



SITKA SPRUCE
Picea sitchensis

Architects: O'Donnell + Tuomey

Structural Engineers: Horgan Lynch

Contractor: Gem Joinery



HIGHLY COMMENDED PAVILION

Architects: John McLaughlin
Architects and Gary A. Boyd

Engineers: Casey O'Rourke

Contractor: Oikos Ltd.



NORWAY SPRUCE
Picea abies

This is a demountable pavilion and Ireland's official contribution to the Venice Architecture Biennale 2014. It houses and frames an exhibition of Irish modern architecture spanning a century. It was sited inside a 15th century building in Venice, which is prone to flooding. It had to be designed to be easy to transport, erected and taken down as it is intended to be exhibited in Ireland. A glulam spruce frame was chosen as a durable and strong structural solution that is lightweight and easy to transport and to handle on a confined site.

The ease with which it could be altered and worked with hand tools was also a consideration. The sharp aesthetic quality of the pavilion was easily achieved by machine cutting the sections (150x90mm). Proprietary aluminium connector plates ensure transfer of structural loads.



TOWARDS A FOREST AND WOOD CULTURE

When the Wood Marketing Federation (WMF) was founded in 1989, Council members made a deliberate decision to promote wood, regardless of origin, providing it is sourced from sustainably managed forests. By resisting the temptation to confine projects to home grown timber, the Federation could deliver on its broad-based mission “to promote wood as a renewable, sustainable and versatile natural material”.

It recognises the importance of engaging with stakeholders from countries with strong wood cultures as well as working with species grown in Ireland and overseas to broaden our experience of the true potential of timber as a sustainable construction and design medium with major environmental and social benefits throughout the wood chain.

This approach has served us well, as Ireland develops its own forest and wood culture. For example, timber and timber products used in Wood Awards Ireland projects originated in woodlands stretching from the Slieve Bloom Mountains and Wicklow Hills in Ireland to hardwood crops in New England in the United States and from Europe to forests around the world as far south as New Zealand. The only stipulation was that all timber would be sourced in accordance with the EU Timber Regulation, which counters the trade in globally illegally harvested timber.

The experience of looking to other countries began centuries ago but was heightened early in the last century when Irish forests were depleted to 1% of the land area after centuries of exploitation and neglect. The visionaries that began the job of restoring Ireland’s lost forests did so with little resources in a largely deforested landscape. Slowly and wisely they re-established a forest resource which now has an annual value of €2.3 billion providing wealth and jobs mainly in rural Ireland.

But this is just a beginning. Only 11% of Irish land is under forest compared with 37% in Europe. The Wood Marketing Federation recognises the need to increase our forest estate and the need to involve a wide range of stakeholders to maximise the potential of our forestry and forest products industry. Few industries have a greater degree of interdependency than forestry. How the various links in the forest value chain interact and perform determines the capability of the sector as a whole. These links begin with the quality of our seed and nursery stock, which decides the viability of our forests, the performance of down-stream industries and the effectiveness with which the sector delivers a range of social and environmental benefits.



Wood Awards Ireland was established to strengthen the links in the forest chain: to include architects, engineers, designers, woodworkers and third level colleges. They all play a major role in demonstrating that wood is a key design and construction medium in 21st century sustainable living. In addition, the climate change mitigation benefits of wood are only being tapped in this country. Wood and wood products can replace carbon emission intensive products, such as steel, plastic and aluminium. For example, using wood saves energy over the life of a building as its cellular structure provides outstanding thermal insulation, estimated at 15 times better than concrete, 400 times better than steel and 1,170 better than aluminium. The Timber Research & Development Association (TRADA) maintains that a 2.5cm timber board has better thermal resistance than an 11.4cm brick.

While the Kyoto Protocol acknowledges forests as carbon sinks, in reducing greenhouse gas emission, there has been a reluctance to acknowledge forest products as carbon stores. However, the UN climate change convention in Durban at the end of 2011 accepted that harvested wood products such as sawn timber, engineered wood, panel products and pulp for paper manufacture, could be included in the carbon accounting framework for forests for the period up to 2020.

There are opportunities for Irish forest owners, timber processors and manufacturers to enter a partnership with architects, engineers and designers to create and build for a society that values the importance of sustainable living. Because, to prosper, a wood culture concerns itself not only with long-term commercial and environmental objectives, but also with people. This is the essence of sustainable forest management which is a societal contract or partnership in the stewardship and use of the resource to benefit present and future generations. This approach is not new and was foreseen by Edmund Burke over two centuries ago:

Society is indeed a contract ... a partnership in all science; a partnership in all art; a partnership in every virtue, and in all perfection. As the ends of such a partnership cannot be obtained in many generations, it becomes a partnership not only between those who are living, but between those who are living, those who are dead and those who are to be born.

Those involved in Wood Awards Ireland recognise the value of this partnership or contract in an endeavour which links forests past to forests future. And because timber harvested is reforested, those who produce projects in wood, do so, safe in the knowledge that what they take will be replaced, given the renewable nature of wood, our greatest natural resource.

Donal Magner
Secretary
Wood Marketing Federation

SPONSORS OF WOOD AWARDS IRELAND 2014

AHEC – AMERICAN HARDWOOD EXPORT COUNCIL



The American Hardwood Export Council is committed to presenting an unequivocal case to use more wood in design and architecture by celebrating its versatility as a material, and highlighting its environmental benefits.

AHEC showcases how American hardwoods can contribute to great design. At the core of our programme is the belief that architects and designers can unlock the potential of the material we promote, and that this creative input is essential to help optimise the use of sustainable timbers.

We are pleased to be key supporters of Wood Awards Ireland because we want to inspire others who strive for great design.

www.americanhardwood.org

COFORD – PROGRAMME OF COMPETITIVE FORESTRY RESEARCH FOR DEVELOPMENT



COFORD - the Programme of Competitive Forestry Research for Development – is based in the Research Division of the Department of Agriculture, Food & Marine. Established in 1993, it is funded by the Irish Government under the National Development Plan. COFORD's mission is to:

- Establish and strengthen links between research and industry.
- Determine forest research and development needs to optimise international competitiveness, sustainable employment, innovation and environmental harmony.
- Evaluate R&D progress and transfer technology to ensure maximum benefit.

COFORD is responsible for the development of national forest R&D policy and priorities, the formulation and implementation of programmes that address these priorities, and transferring the knowledge generated into practice.

www.coford.ie

COILLTE



Coillte is a state-owned commercial company operating in forestry, land based businesses, renewable energy and panel products. Established in 1988, the company employs over 1,000 people to manage its businesses and 445,000-ha estate. It supplies 2.3 million cubic metres of logs annually to Irish sawmills and its own board mills Coillte Panel Products who produce:

- Medite – the most recognised brand of quality medium density fibreboard (MDF) in Europe.
- SmartPly – oriented strand board (OSB), a quality, cost effective and environmentally friendly alternative to other board products.
- Medite Tricoya – represents one of the biggest advances in panel products since the 1980s because of its durability and versatility.

www.coillte.ie

ENTERPRISE IRELAND



Enterprise Ireland's mission is to accelerate the development of world-class Irish companies to achieve strong positions in global markets resulting in national and regional prosperity. Our priority is helping companies develop innovative market-led products and grow and develop new export markets. We also provide assistance for international companies who are searching for world-class Irish partners. Enterprise Ireland works with Irish timber processors, to maximise their impact by supporting them to:

- Develop and implement strategies
- Access new international markets
- Invest in R&D
- Compete through productivity
- Build strong management teams
- Finance growth and innovation

Enterprise Ireland is committed to supporting innovation in the Irish forest products industry.

www.enterprise-ireland.com

ORGANISER AND SUPPORTER OF WOOD AWARDS IRELAND 2014

WOOD MARKETING FEDERATION (WMF)



WMF was founded in 1989 to promote wood as a renewable, sustainable and versatile natural material. The WMF programme promotes wood in construction, design and treatment from traditional applications to product innovation.

Projects include:

- Publication of *Woodspec – A Guide to Designing, Detailing and Specifying Timber in Ireland* hosted by COFORD (www.woodspec.ie).
- Wood Awards Ireland, aimed at architects, engineers and designers using wood as the inherent medium in their projects.
- Third Level Student Wood Awards – aimed at students of architecture, engineering and design who incorporate wood in their projects.
- Conferences and symposiums on wood usage and design.
- Wood promotional and educational initiatives including literature, posters, website and *Talking Timber* series on wood treatment and standards.
- Irish Timber Information Centre planned for 2015 and hosted by NUIG.

www.wood.ie

THE ROYAL INSTITUTE OF THE ARCHITECTS OF IRELAND (RIAI)



Founded in 1839, and celebrating its 175th anniversary in 2014, the RIAI is the Regulatory and Support body for Architects in Ireland. Support services are also provided for Architectural Technologists. The RIAI engages with government, the professions, industry, clients and the public to promote the value of quality and design in architecture. An attractive and sustainable built environment enriches Ireland's distinctive culture and heritage, contributes to the competitiveness of our economy and improves quality of life for the people of Ireland, today and for generations to come.

The RIAI is designated as the competent authority for architecture in Ireland under EU Directive 2005/36/EC. As official registration body under the Building Control Act 2007, the RIAI is committed to discharge its obligations for administration of the Register of Architects in Ireland.

Follow the latest news on architecture by signing up to our free, monthly e-newsletter on www.riai.ie



Wood Awards Ireland, category awards 2014, Michael Warren
Elm on brass base (165 x 74 x 68 mm)



Wood Awards IRELAND 2014



Wood Awards Ireland (WAI) is organised by the Wood Marketing Federation and supported by the Royal Institute of the Architects of Ireland.

WAI receives funding from COFORD – the Programme of Competitive Forestry Research for Development – Department of Agriculture, Food and the Marine, Enterprise Ireland, AHEC – American Hardwood Export Council – Coillte and Enterprise Ireland.

