

Vincenzo Reale



Profession

Structural Engineer & Architect

Joined Arup

2013

Nationality

Italian

Qualifications

MEng (Hons) Structural Engineering and Architecture
MSc Emergent Technologies and Design

Professional Associations

Graduate Member of IStructE
Architectural Association member

Since joining Arup as part of a multi-disciplinary building engineering group, Vincenzo has gained a wide variety of experience on projects in the UK and abroad. He has developed a particular skill in the design of geometrically complex structural forms. These projects involve advanced 3D modelling, utilising parametric design techniques and scripting.

He expresses a keen interest in conceptual design, working closely with both architects and other engineering disciplines to develop holistic solutions, and has been involved in many international design competitions with leading architects.

Vincenzo places himself in the area where architecture meets and overlaps multiple fields, from design to engineering, from biology to computer science.

Experience:

Structural Engineer at Arup

2013 – present

Involvement in a wide range of projects from small to large scale such as:

Sleuk Rith Institute, Cambodia

Document archive, school, museum and memorial for Cambodia's people reconciliation.

Architect: Zaha Hadid Architects.

Sana Al-Nour, Abu Dhabi International Airport, UAE

Glass clad cable-net sculpture that will bring daylight into the heart of the new midfield terminal.

Designer: Carpenter | Lowings.

Lusail Tower Hotel, Doha

30 storey 5-star hotel in the marina district of Lusail, with three level basement and podium.

Architect: Zaha Hadid Architects.

Beko Development, Belgrade

150,000m² mixed-used development, incorporating residential, hotel, and retail. Four separate buildings joined below ground by a combined basement, and above ground by the flowing lines of the façade and landscape. Delivered integrated BIM model.

Architect: Zaha Hadid Architects.

Bryghus, Copenhagen

27,000m² mixed-use scheme on the harbour front, incorporating a complex arrangement of one and two storey deep trusses bridging over a main road. Delivered integrated BIM model.

Architect: OMA.

Curtis Green, London

Redevelopment of a 1930's office block on the Northbank by Westminster. The scheme includes partial demolition for the insertion of a larger floor plate, a new floor on top and entrance lobby. The project is a design and build contract with an accelerated design & construction programme.

Architect: AHMM

Professor at Arup University**2014 – present**

Developing and teaching parametric courses for structural engineers through the Arup University.

Computational Designer at Anthony Gormley Studio**2013 – present**

Developing computational tools to assist in the generation of design projects such as:

Expansion Field, Bern

2014 Exhibition at the Zentrum Paul Klee.

Second Body, Paris

2015 Exhibition at the Galerie Thaddaeus Ropac.

Faculty member / Unit Studio Master at Architectural Association**2012 – present**

Tutor at the Landscape and Urbanism Master Program and Unit Master at the AA Visiting School Jordan:

Previously tutor and coordinator of several AA workshops and visiting school such as Computing Topos, at AA visiting school Bilbao / San Sebastian and Super Surface Fabrication, at AA Emergent and Technologies and Design Master.

Previous Experience:

Architect at Zaha Hadid Architects

2013

Involvement in a high rise development in Taiwan and in the King Abdullah Metro Station in Ryhad SD where developed the parameterization of the facade and of the structure.

Architect at SPAN

2012

Involvement in planning and development of Beijing Oval Housing project and Busan Opera house competition

Architect Assistant at Emergent Architecture

2011

Involvement in planning and development large scale projects such as the Beijing National Hotel and Shenyang University Sports Arena.

Organisations:

Italian Engineering Chartership

Eu chartered engineer since 2010

Institution of Structural Engineers

Graduate Member since 2014

Architectural Association

Member since 2011

Education:

Master of Science (MSc) Emergent Technologies and Design
at Architectural Association (2012)

Master of Architecture and Building Engineering (Hons)
at Università di Bologna (2010)

Publications and Exhibitions:

Venice Biennale 2014

Design of a Parametric Roof Video exhibited at the Venice Biennale of Architecture, Fundamentals, curated by Rem Koolhaas, in the central Pavillion amongst traditional and contemporary roof models.

Royal Academy 2014

MSc dissertation model exhibited at the Royal Academy Summer Exhibition

College of Art and Architecture University of Idaho 2012

Urban Fluctuations project received a Special Mention for Research Methodologies, by the New York City based d3 Natural Systems Competition 2012 and exhibited at The College of Art and Architecture Galleries at the University of Idaho.

References are available on request