

# Michela Musto

Researcher in Computational Design and Digital Fabrication

micky.musto@hotmail.it

---

## Résumé

Michela Musto is an artist, architect and designer. Architect for Foster + Partners, recently graduated as MSc at the Architectural Association (AA), researching on water symbiosis systems.

She has been studying the relation between Fashion and morphogenetics, teaching in Iran and Italy. Fashion Designer for the Maker Faire 2014. Art director of the Académie d'art et musique of Naples. Had been architectural assistant for the studio Pica Ciamarra Associati and for Gramegna Architects. B. Arch. Degree from Università degli studi di Ferrara.

Michela Musto is an artist, architect and designer. She had been working for the top tier firms of the world of architecture, such as Foster+ Partners and Pica Ciamarra Associates. Her involvement with the world of architecture come along a deep interest of computational sciences and rapid prototyping techniques. Her career as a fashion designer started after her studies at the Architectural Association School of London researching over the relation between Fashion and morphogenetics. She had been teaching in Iran, UK and Italy and had been creating her first collection for the Maker Faire 2014 in Rome. Art director of the Académie d'art et musique of Naples and curator of its photography, art and design exhibitions.

---

## Expérience

**Researcher in Computational Design and Digital Fabrication , Fondazione Idis-Città della Scienza**  
octobre 2015 - Poste actuel (1 an 3 mois)

**Architecte , GFC Architecture**  
septembre 2015 - Poste actuel (1 an 4 mois)

**Freelance Architect , Private client**  
février 2014 - Poste actuel (2 ans 11 mois)

Property renovation of a luxurious house unit in Paris

**Advisor , Re-Coding Fashion**  
septembre 2015 - Poste actuel (1 an 4 mois)

The workshop immerses students into computational design thinking and the exploration of the new design possibilities associated with and it seeks to create an inventive and collaborative environment in which the overlap between architecture and fashion will be investigated. Focusing on the use of generative systems and

parametric modelling participants will create a 'code-structured garment' through materializing their ideas and employing computer-aided manufacturing tools.

The research nature of workshop provides a laboratory atmosphere to test, study and observe material behaviour, fabrication techniques and digital tools as inspiration to devise novel designs. In this way there are additional challenges such as body dynamism that Parametricism has less chance to face with them in architectural discourses and they open a new field of possibilities.

Research in architecture and the design discipline must involve experimental and prototyping (including prototype testing). In graphic design and in fashion design there are no obstacles in enfolded experimentation and prototyping within the design process itself.

## PHYSICAL AND DIGITAL

The workshop focus is placed on the physical and the digital experiments working in a reciprocal process to benefit the most of each other. In the physical part, fabrication techniques and material behaviour will be investigated while in the digital part, simulation of physical experiments as well as computational concepts will be studied.

## TECHNICAL BRIEF

In the early stages physical models will be used, allowing the participants to gain a greater understanding of materials, fabrication and assembly methods as well as simple, yet pragmatic structural solutions. Later these strategies will be digitalized and elaborated using software visualization tools such as Rhinoceros and the algorithmic plug-in Grasshopper.

<http://www.makerfairerome.eu/it/espositori/?ids=866>

### **Lecturer , Associazione Ingegneri Napoli**

juillet 2016 - juillet 2016 (1 mois)

Computational Design Seminar

### **Guest Lecturer , University of Rome "La Sapienza"**

mai 2015 - mai 2015 (1 mois)

Conference 2015

Fashion Through History

Costumes, Symbols, Communication

The Initiative: Following the tradition of previous conferences, Sapienza University of Rome launches the call for papers for the international conference Fashion Through History, with a broad subtitle that aims to confront the complex reality of fashion.

Methods: The scientific approach of the conference is aimed at a broader interdisciplinarity and internationality, in the belief that only by combining diverse knowledge, which use various and effective methods of research, we can deepen the understanding of social history and that of costumes. In this perspective, of great importance are contributions of professors and researchers of history, sociology, philosophy, economics, communications, psychology, art and literature, of various countries between the past and the present.

**Architect , Foster + Partners**

septembre 2014 - mai 2015 (9 mois)

Prepare, develop and edit drawings, models, images and other documents relating to the design. Assisting Client Liaison in conjunction with other professionals to establish building type, style, cost and potential landscape requirements. Monitor construction work in progress to ensure compliance with specifications. Develop representations of design options for further discussion by the design team. Conduct potential studies on condition and characteristics of site. Involved in several activities ranging from pure architectural design to rendering and physical modeling. As for the latter, the core one were primarily concerned with the scheme design of the Limni Bay Golf Resort in Cyprus and the Lusail Iconic Stadium in Qatar.

**Fashion Designer , SPQwoRk**

septembre 2014 - octobre 2014 (2 mois)

**Project Architect , Pica Ciamarra Associati**

juin 2014 - septembre 2014 (4 mois)

**Architect, Consultant , Magic Stones srl**

septembre 2011 - septembre 2014 (3 ans 1 mois)

Structural design and calculation, energy management plan of housing estates and offices.

**Lecturer for Fashion Digital Strategies Workshop , SPQwoRk, Lostudio Dorme**

juillet 2014 - juillet 2014 (1 mois)

"Osservando il corpo umano in forma di struttura complessa su cui operare, il Fashion Digital Strategies Workshop si propone di esplorare come i principi e le strategie della natura siano elementi fondanti del parametricismo e come essi possano essere associati al design della moda. Lo spirito di ricerca del workshop fornisce la possibilità di testare, studiare e osservare le specificità dei diversi materiali, le loro tecniche di fabbricazione e le strategie digitali utilizzate per la loro trasformazione in prodotto finito. Tale esercizio consente di confrontarsi con diverse specificità del corpo umano, quali la sua dinamicità e la sua complessità. L'esperimento avrà inizio con la creazione di geometrie complesse a partire da una primitiva a scelta del candidato. Tale geometria verrà esplorata prima manualmente poi digitalmente modificandone i parametri e registrando le variazioni sul modello fisico, arrivando così alla compilazione di un catalogo di diversi elementi. Il catalogo sarà poi la base della creazione di superfici complesse in grado di interagire e adattarsi

al il corpo umano. In questi termini il workshop verrà svolto con delle simulazioni digitali e esperimenti manuali in modo che entrambe le metodologie siano di supporto l'una dell'altra."

### **Tutor for PARA(metric)-FASHION Workshop , International Institute for Strategic Studies in Iranian Architecture**

avril 2014 - mai 2014 (2 mois)

It has been always precedent that design methodologies in each field flows over others. As so; appearing of parametricism in architecture proposed tools and methods along with a distinctive aesthetic sense which can be implemented in other design disciplines. In this regard disciplines involved in more complex geometrical challenges such as fashion design are becoming more potent to take the advantages of computation.

Looking at human body as a complex built structure needs to be covered; a design research is set in form of series of workshops trying to investigate how parametricism principles and methods can be associated with fashion design. The research nature of workshop provides a laboratory atmosphere to test, study and observe material behavior, fabrication techniques and digital tools as inspiration to devise novel designs in fashion criteria. In this way there are additional challenges such as body dynamism that parametricism has less chance to face with them in architectural discourses and they open completely a new field of possibilities.

In this regard; the main workshop focus is placed on two parts of physical and digital experiments working in a reciprocal process to benefit the most of each other. In the physical part fabrication techniques and material behavior will be investigated and in digital part simulation of physical experiments as well as computational concepts will be studied.

Additionally as the workshop approach demands certain knowledge of parametric tools and fabrication methods, prior to the main workshop a series of tutorial sessions are designed to transfer adequate knowledge of software such as Rhino-Grasshopper and fabrication machines like Laser cutters and CNC machines. In this way students will be well equipped to deal with the various aspects of workshop research ambition and come up with novel designs.

### **Tutor for ARCHITECTURE OF DIGITAL FASHION III Workshop , Parametrica [Digi Fab School]**

avril 2014 - avril 2014 (1 mois)

Fashion and Architecture are both based on basic life necessities – clothing and shelter.

However, they are also forms of self-expression – for both creators and consumers.

Both fashion and architecture affect our emotional being in many ways.

The agenda of this workshop is to investigate on the overlap between these two areas of design, art & fashion.

Fashion and architecture express ideas of personal, social and cultural identity, reflecting the concerns of the user and the ambition of the age. Their relationship is a symbiotic one and throughout history, clothing and buildings have echoed each other in form and appearance. This only seems natural as they not only share the primary function of providing shelter and protection for the body, but also because they both create space and volume out of flat, two-dimensional materials.

While they have much in common, they are also intrinsically different – address the human scale, but the proportions, sizes and shapes differ enormously.

And while fashion is, by its very nature, ephemeral or ‘of the moment’, architecture traditionally has a more solid, monumental and permanent presence.

**Architectural Assistant , Pino Gramegna Architects**

2011 - avril 2012 (1 an)

Restauration, Interior design, Graphic design and material supervisor

**Costume and Set Designer , Teatro comunale di Ferrara, UNIFE**

février 2009 - juillet 2009 (6 mois)

Costume and set designer with the professor Antonio Utili for the play "Il mondo della luna" by Carlo Goldoni.

**Performer , Giulia Giannola**

octobre 2008 - octobre 2008 (1 mois)

Performer for the Italian artist Giulia Giannola for the performance "Feeling (no kisses)" in Berlin.

**Co-founder, Event planner, Exhibition manager , Académie d'art et Musique**

avril 2008 - avril 2008 (1 mois)

---

**Langues**

**Français**

(Bilingue ou langue natale)

**English**

(Capacité professionnelle complète)

**Espagnol**

(Capacité professionnelle complète)

**Portugais**

(Compétence professionnelle limitée)

**Perse**

(Notions)

---

**Compétences et expertise**

**Architectural Design**

**Graphic Design**

**3D Modeling**

**Revit**

**Energy Management**

**Generative Design**

**Building Information Modeling**

**Foreign Languages**

**2D art**

**Architecture**

**Fashion Design**

**Product Design**

**Computer Graphics**

**AutoCAD**

**Art Exhibitions**

**Sustainable Architecture**  
**SketchUp**  
**Urban Design**  
**Web Design**  
**Event Planning**  
**Event Management**  
**Energy Efficiency**  
**Sustainable Design**  
**Sustainability Consulting**  
**Generative Art**  
**Computational Biology**  
**Evolutionary Computation**  
**Computational Modeling**  
**Computational Geometry**  
**Design Research**  
**Photoshop**  
**Rhino**  
**Language Teaching**  
**Recherche en design**  
**Design architectural**  
**Aménagement d'intérieur**  
**InDesign**  
**Architecture AutoCAD**  
**Adobe Illustrator**  
**Design résidentiel**  
**Rendu visuel**  
**Design de concept**  
**Plan d'architecture**  
**Planification urbaine**  
**Microsoft Office**  
**Usage mixte**  
**Plans de construction**  
**Sketch**  
**Architecture d'intérieur**

---

## Formation

### **Autodesk REVIT**

Autodesk Revit Certified Professional, Building Information Modeling, 2015 - 2016

Résultat obtenu : 90/100

### **ACC, Autodesk Certification Centre, Forma Mentis, Milan**

Autodesk Revit Certified User, Building Information Modelling, 2015 - 2015

Résultat obtenu : Autodesk Revit Certified User Certification

### **Architects Registration Board**

Architect, 2014 - 2014

Résultat obtenu : Part III

Activités et associations : Architects Registration Board, Royal Institute of British Architects

### **INARCH**

Certificate of attendance, 3D Printing, 2014 - 2014

Activités et associations : Gianpiero Ceraso (MEDAaRCH, Mediterranean FabLab)

### **École nationale supérieure des arts décoratifs**

AA Visiting school\_ Re-inventing shoes workshop, AA Visiting school\_ Re-inventing shoes workshop, 2013 - 2013

### **Architectural Association School of Architecture of London**

Master in Science, EMergent TEChnologies and design, 2012 - 2013

### **MAXON Authorized Training Center (ATC), Verona**

Official Cinema 4D user, Computational Design, 2012 - 2012

Résultat obtenu : Official Cinema 4D user certification

### **Regione Emilia Romagna**

Leadership in Energy and Environmental Design Assessor, Sustainability, 2011 - 2011

Résultat obtenu : LEED Energy Assessor certification

### **Università degli Studi di Ferrara**

Master's degree in Architecture and Construction engineering, Environmental Design specialisation, 2005 - 2011

### **FIRE, ENEA**

Energy Manager, Sustainable architecture, 2010 - 2010

Résultat obtenu : Energy Manager C

Activités et associations : L'ENEA (National Agency for the new Technologies, Energy and sustainable development) è impegnata sul fronte dell'efficienza energetica e nello sviluppo di tecnologie che accrescano l'efficienza nella produzione e utilizzo dell'energia. La FIRE (Italian Federation for the Rational Use of the Energy) è un'associazione tecnico-scientifica il cui scopo è promuovere l'uso efficiente dell'energia. Gestisce su incarico del Ministero dello Sviluppo Economico la rete degli energy manager (Legge 10/91).

### **KlimaHaus**

Certificate of Attendance, Sustainable Architecture, 2010 - 2010

### **Pontificia Universidade Católica do Paraná**

Intercambio Scholarship, 2007 - 2008

Activités et associations : Università degli Studi di Ferrara\_PUCPR

---

# Michela Musto

Researcher in Computational Design and Digital Fabrication

micky.musto@hotmail.it

---



[Prenez contact avec Michela sur LinkedIn](#)