



MARCO VERDE
bio and curriculum vitae | 02.12



Marco Verde, educated as an Engineer at Università degli Studi di Cagliari (Italy), earned his post-graduate Master's degree in Architecture (2005) and a DEA's degree (2008) at EsArq-UiC, Barcelona (Spain). Marco is an interdisciplinary practitioner focused on integral design strategies and processes for Non-Standard Architecture. He is an expert in material systems, interactive structures of variable geometry, parametric-associative design strategies, and digital fabrication.

From early 2005, Marco resided in Spain. Here he joined HYBRIDA (Sylvia Felipe + Jordi Truco Architects) working as project manager, designer, and researcher. During three years, he was deeply involved in the HybGrid® research project: a patented, real-time responsive and adaptive structural system recently awarded within the Seventh Framework Programme (FP7). Since 2006, Marco taught design studios and workshops within undergraduate and postgraduate programs across several schools among which EsArq-UiC (Spain), Pratt Institute (USA), Elisava (Spain), University of Nicosia (Cyprus). In fall 2008, Marco moved to The Netherlands to join HYPERBODY. (HRG). HYPERBODY is the research group at the Faculty of Architecture at the Delft University of Technology directed by Prof. ir. Kas Oosterhuis (ONL) focusing on Non-Standard and Interactive Architecture. Here, Marco held a position as Assistant Professor and led several Design Studios within the Masters' degree program in Non-Standard and Interactive Architecture until summer 2011. Since 2006, Marco is member of the teaching staff at Bio Design Research Group, initiatives of Jordi Truco currently developed within the ADDA (Advanced Design and Digital Architecture) Masters' Degree Program at Elisava, Escuela Superior de Disseny i Enginyeria de Barcelona. In 2010, Marco has been invited as instructor and curator of the Laboratories for Computational and Physical Investigations at the AA Visiting School in Paris, and as instructor within the TAC, Technically Advanced Construction), a postgraduate course at the Department of Building Environment Science and Technology (BEST), Politecnico di Milano.

Marco is the founder of [P]a, Performative Design Processes for Architecture (www.marco-verde.blogspot.com), an academic research and education initiative launched in 2007 that develops interdisciplinary research in computational design strategies, material systems, interactive structures of variable geometry, composites structures and "File to Factory" strategies in Architecture. In 2011, Marco inaugurated ALO. ALO is a hybrid architectural office where practice, research, and education combine in collaboration with an international network of research partners. As an interdisciplinary platform for these activities, ALO Co.Re.Division is a resident laboratory developed by ALO and focused on computational research and data-driven fabrication in architecture.

EDUCATION

2008 **DEA**, Diploma de Estudios Avanzados, Escola Superior d'Arquitectura, EsArq_UiC. Spain.

2007 **PhD Candidate**, Escola Superior d'Arquitectura, EsArq_UiC. Spain.

2005 **"Genetic Architectures" MArch**, Escola Superior d'Arquitectura, EsArq_UiC. Spain.

Instructors within the Master's Degree program:

Karl Chu
Evan Douglass
Sylvia Felipe
Achim Menges
Lars Spuybroek
Ludovica Tramontin
Jordi Truco
Mike Weinstock

2004 **Engineer's Degree**, Università degli Studi di Cagliari, UNICA. Italy (5-years curriculum)

Thesis director:

Prof. Antonio Tramontin.

ACADEMIC EMPLOYMENT HISTORY

- 2011 UCY. University of Cyprus, Department of Architecture at the Faculty of Engineering**
“Differential Porosity” 10-day Workshop in Form-Finding, Parametric-Associative Design and Digital Fabrication.
- \\ Workshop Director-Instructor.
August 2011 | Nicosia, Cyprus.
keywords_ physical form-finding, parametric-associative design, digital fabrication, file to factory.
- 2011 ELISAVA (Escola Superior de Disseny - UPF (Universitat Pompeu Fabra).**
“Hybrid prototypes/File to Factory” Workshop within the ADDA Advanced Design and Digital Architecture Master’s degree program at ELISAVA .
- \\ Workshop Director-Instructor.
Spring Semester 2011, Barcelona, Spain.
keywords_parametric-associative design, digital fabrication, file to factory.
- 2011 Architectural Association, AA Visiting School in Paris.**
“F(AA)SHION” 10 day international visiting programme.
- \\ Laboratories Curator
\\ Studio Director-Instructor.
Spring Semester 2011 | Paris. France
- 2011 TU Delft (Faculty of Architecture at the Delft University of Technology).**
“Evolutionary Patterns| deepFORMATIONS” MSc2 Design Studio within the “Non-Standard and Interactive Architecture” BSc & MSc Master’s degree program at HYPERBODY.
- \\ Director-Instructor.
Spring Semester 2010 | Delft. The Netherlands
- 2010 TU Delft (Faculty of Architecture at the Delft University of Technology).**
“Ready To Fabrication” Vertical ELISAVA (ES) + HYPERBODY (NL) workshop within the “Non-Standard and Interactive Architecture” BSc & MSc Master’s degree program at HYPERBODY.
- \\ Instructor (together with Jordi Truco)
Fall Semester 2010 | Delft. The Netherlands
- 2010 ELISAVA (Escola Superior de Disseny - UPF (Universitat Pompeu Fabra).**
“Performative Proliferations” Workshop within the ADDA Advanced Design and Digital Architecture Master’s degree program at ELISAVA .
- \\ Director-Instructor (together with Jordi Truco)
Fall Semester 2010 | Barcelona. Spain
- 2010 TU Delft (Faculty of Architecture at the Delft University of Technology).**
“Performative Proliferations” MSc1 Design Studio within the “Non-Standard and Interactive Architecture” BSc & MSc Master’s degree program at HYPERBODY.
- \\ Director-Instructor
Fall Semester 2010 | Delft. The Netherlands

- 2010** **ELISAVA (Escola Superior de Disseny - UPF (Universitat Pompeu Fabra).**
“File to Factory” Workshop within the CoDeLab Master’s degree program at ELISAVA.
- \\ Director-Instructor**
Spring Semester 2010 | Barcelona. Spain
- 2010** **TU Delft (Faculty of Architecture at the Delft University of Technology).**
“Evolutionary Patterns| deepFORMATIONS” MSc2 Design Studio within the “Non-Standard and Interactive Architecture” BSc & MSc Master’s degree program at HYPERBODY.
- \\ Director-Instructor**
Spring Semester 2010 | Delft. The Netherlands
- 2010** **University of Nicosia, Department of Architecture**
“ULTRALIGHT. Lightweight Spatial Formations” Workshop.
- \\ Director-Instructor**
Spring Semester 2010 | Nicosia. Cyprus
- 2009** **ELISAVA (Escola Superior de Disseny - UPF (Universitat Pompeu Fabra).**
“Form-Finding. Spatial Formations through material intelligence” Workshop within the Advanced Design of Spaces and Materials Master’s degree program at ELISAVA.
- \\ Director-Instructor**
Fall Semester 2009 | Barcelona. Spain
- 2009** **TU Delft (Faculty of Architecture at the Delft University of Technology).**
“infoMATTERS” MSc3 Design Studio within the “Non-Standard and Interactive Architecture” BSc & MSc Master’s degree program at HYPERBODY.
- \\ Instructor**
Fall Semester 2009 | Delft. The Netherlands.
- 2009** **TU Delft (Faculty of Architecture at the Delft University of Technology).**
“ProtoSPACE 4.0” within the “Non-Standard and Interactive Architecture” BSc & MSc Master’s degree program at HYPERBODY.
- \\ Instructor specialized in Digital Fabrication/File to Factory within the MSc2 course**
Spring Semester 2009 | Delft. The Netherlands.
- 2009** **TU Delft (Faculty of Architecture at the Delft University of Technology).**
“Interactive Tinkering Workshop” within the “Non-Standard and Interactive Architecture” BSc & MSc Master’s degree program at HYPERBODY.
- \\ Director-Instructor within the MSc1 and MSc3 courses**
Spring Semester 2009 | Delft. The Netherlands.
- 2009** **TU Delft (Faculty of Architecture at the Delft University of Technology).**
“Computational Design and Manufacturing Workshop” within the “Non-Standard and Interactive Architecture” BSc & MSc Master’s degree program at HYPERBODY.
- \\ Director-Instructor within the MSc1, MSc2 and MSc3 courses**
February 2009 | Delft. The Netherlands.
- 2008** **TU Delft (Faculty of Architecture at the Delft University of Technology).**
“Computational Design and Manufacturing Workshop” within the “Non-Standard and Interactive Architecture” BSc & MSc Master’s degree program at HYPERBODY.
- \\ Director-Instructor**
December 2008 | Delft. The Netherlands.

- 2008** **EsArq-UiC (Universitat internacional de Catalunya).**
“Ma(s) Lab 2008. Lesseps Metamorpho/sys. Final Thesis Project within Genetic Architectures MArch.
 Studio Director: Jordi Truco.
- \\ In instructor**
 March-June 2008 | Barcelona. Spain.
- 2008** **Symposium: “SIMAE 2008 Symposium of Emergent Architecture”.**
EsArq-UiC (Universitat internacional de Catalunya).
- \\ Workshop Session Organization and “TopSolid Workshop Instructor**
 April 7 to 11 2008 | Barcelona. Spain.
- 2008** **ESARQ - UIC (Universitat Internacional de Catalunya).**
“Floral Obsession”. Final Review. Matias del Campo Workshop within Genetic Architectures MArch.
- \\ Guest Critic**
 March 2008 | Barcelona. Spain.
- 2008** **ESARQ - UIC (Universitat Internacional de Catalunya).**
“Evolutionary Computation Workshop” within Genetic Architectures MArch.
- \\ Director-Instructor**
 February 2008 | Barcelona. Spain.
- 2008** **ESARQ - UIC (Universitat Internacional de Catalunya).**
“Architecture and Digital Fabrication I-II”. Undergraduate Studio. Studio Director: Jordi Truco.
- \\ Instructor**
 January-March (I), April-June (II) 2008 | Barcelona. Spain.
- 2007** **ELISAVA Escola Superior de Disseny - UPF (Universitat Pompeu Fabra).**
“Espais Híbrids”. Final Review. Jordi Truco & Sylvia Felipe Studio. Undergraduate Design Studio.
- \\ Guest Critic**
 January - April 2007 | Barcelona. Spain.
- 2007** **ESARQ - UIC (Universitat Internacional de Catalunya).**
“Architecture and Digital Fabrication”. Undergraduate Studio. Studio Director: Jordi Truco.
- \\ Instructor**
 January - April 2007 | Barcelona. Spain.
- 2006** **PRATT School of Architecture. NY.**
Ma(s) Lab 2006. Advanced Design Studio-Undergrad 5th year. Studio Director: Jordi Truco.
- \\ Instructor in advanced parametric design strategies**
 Fall semester 2006 | New York. U.S.A.
- 2006** **PRATT School of Architecture. NY.**
Frederic Levrat Studio. Final review.
- \\ Guest Critic**
 Fall semester 2006 | New York. U.S.A.
- 2006** **PRATT School of Architecture. NY.**
Lonn Combs Studio. Final review.
- \\ Guest Critic**
 Fall semester 2006 | New York. U.S.A.

- 2006** **GSAPP–COLUMBIA UNIVERSITY (Graduate school of Architecture Planning and Preservation).**
Frederic Levrat Studio
- \\\ **Guest Critic**
Fall semester 2006 | New York. U.S.A.
- 2006** **ELISAVA Escola Superior de Disseny - UPF (Universitat Pompeu Fabra).**
“Espais Híbrids”. Final Review. Jordi Truco & Sylvia Felipe Studio. Undergraduate Design Studio.
- \\\ **Guest Critic**
January - April 2006 | Barcelona. Spain.
- 2006** **ESARQ - UIC (Universitat Internacional de Catalunya).**
“Ma(s) Lab_02” Design Studio within Genetic Architectures MArch. Studio Director: Jordi Truco.
- \\\ **Studio Assistant**
January – April 2006 | Barcelona. Spain.
- 2006** **ESARQ - UIC (Universitat Internacional de Catalunya).**
“Digital Productions”. Undergraduate Studio. Studio Director: Jordi Truco.
- \\\ **Studio Assistant**
January - April 2006 | Barcelona. Spain.
- 2005** **ESARQ - UIC (Universitat Internacional de Catalunya).**
“Liminal Evolutions”: Vertical Workshop. Director: Mike Weinstock. Coordinator: Jordi Truco.
- \\\ **Studio Assistant at Lluís Viu Workshop.**
September 2005 | Barcelona. Spain.

PROFESSIONAL EMPLOYMENT HISTORY

- 2011** **ALO and ALO Co.Re.Division**
\\ Founder and Director
Cagliari. Italy
- 2010** **HYPERBODY Research Group directed by Prof. ir. Kas Oosterhuis at TU Delft**
\\ protoSPACE 3.0 / protoDECK. Laboratory and Interactive Floor Design and Manufacturing Engineering.
Delft. The Netherlands
- 2009** **HYPERBODY Research Group directed by Prof. ir. Kas Oosterhuis at TU Delft**
\\ Assistant Professor
Delft. The Netherlands
- 2008** **HYPERBODY Research Group directed by Prof. ir. Kas Oosterhuis at TU Delft**
\\ Researcher Project Leader.
Delft. The Netherlands
- 2006-8** **HYBRIDa _Sylvia Felipe + Jordi Truco Architects.**
\\ Project Manager, Designer, and Researcher on the HybGrid[®] Research Project.
Barcelona. Spain.
- 2007** **Marco Verde Engineering and Architecture foundation. (IT) 03124710926.**
Cagliari. Italy.
- 2007** **HYBRIDa / seGV_ Sistemes i Estructures de Geometria Variable S.C.P.**
\\ Engineering and Parametric Control System for the HybGrid[®] Research Project: Real time responsive and adaptable structural system.
\\Real Time Prototype development, fabrication (CNC and Fiber Composite) and assembly.
Barcelona. Spain.
- 2005** **HYBRIDa_Sylvia Felipe + Jordi Truco Architects.**
\\ Collaboration in Digital Fabrication at EUROCONT Headquarter Office Project.
Barcelona. Spain.

LECTURES, EVENTS AND PUBLICATIONS

- 2011** **FABRICATE 2011. International Peer Reviewed Conference.**
\\ Published in Proceedings and Lecture.
April 2011 | London, UK
- 2011** **Architectural Association, AA Visiting School in Paris.**
\\ Academic Lecture. "Divergent Actualizations".
March 2011 | Paris, France
- 2010** **MACHINING PROCESSES. Architectural Biennial Beijing Students.**
\\ Published in Proceedings.
December 2010 | Beijing, China.
- 2010** **University of Nicosia, Department of Architecture**
\\ Academic Lecture. "Towards Diversity"
June 2010 | Nicosia, Cyprus.
- 2009** **ACADIA09. reForm()**
\\ Published in Proceedings, Critical projects.
October 2009 | Chicago, USA.
- 2009** **ENHSA-EAAE Architectural Design Teachers' and Construction Teachers' Networks**
\\ Key Note Speech (+ article in proceedings). "FRICTION. Experiencing computation, matter and data driven manufacturing"
June 2009 | Genoa, Italy.
- 2009** **AAST 2009. Advanced Architecture Exhibition Settimo Tokyo**
\\ Generative Computational Design and Advanced Architectural Research International Exhibition.
"[M]SYSTEMS | Multiperformative Efficient Systems"
April 2009 | Settimo Torinese, Italy.
- 2009** **HYPERBODY. Faculty of Architecture at the Delft University of Technology**
\\ Academic Lecture. "Technologies | Processes"
February 2009 | Delft. The Netherlands.
- 2008** **HYPERBODY. Faculty of Architecture at the Delft University of Technology.**
\\ Academic Lecture.
"Systems: Generation and Fabrication through Parametric Associative Design Strategies".
Lecture and Real Time demo.
December 2008 | Delft. The Netherlands.
- 2008** **SIMAE 2008. Symposium of Emergent Architecture. EsArq-UiC**
\\ Academic Lecture. "Generation and Fabrication through Parametric Associative Design Strategies".
April 2008 | Barcelona. Spain.

- 2008** **ON DISEÑO**, Nº 291, Ed. ONDISEÑO S.L., Barcelona, 2008.
- \\\ **Published in HYBRIDa article.**
Architecture magazine. Spain.
- 2007** **Patent Constructions. New Architecture made in Catalonia**, Ed. Albert Ferré, ACTAR, Barcelona, 2007.
- \\\ **Published in HYBRIDa article.**
Architecture book. Spain.
- 2007** **Via Construcción**, Nº 42, Grupo Via Editores, Barcelona, 2007.
- \\\ **Published in HYBRIDa article.**
Architecture magazine. Spain.
- 2006** **Oficinas**, Nº 262, Cetisa Editores S.A., 2006, Barcelona.
- \\\ **Published in HYBRIDa article.**
Office architecture magazine
- 2006** **Subtle Technologies 2006. Responsive Architectures Symposium. University of Toronto.**
- \\\ **Academic Lecture.** Contribution to “From Form Generation to form Adaptation” Sylvia Felipe & Jordi Truco. “Parametric Design and Strategies” real Time demonstration.
June 1 to 4 of 2006 | Toronto. CANADA.
- 2006** **Responsive Architectures: Subtle technologies 2006**, Ed. Philip Beesley, Sachiko Hirose, Jim Ruxton, Marion Tränkle, Camille Turner. Riverside Architectural Press, Toronto, 2006.
- \\\ **Publication.** Contribution to HybGrid® Research Project by HYBRIDa.
Article in Book. Canada.

GRANTS AND AWARDS

2007 **Master and Back Program.**

\\ Scholarship awarded by Regione Autonoma della Sardegna to carry out postgraduate education programs.
Cagliari. Italy

CONTACT INFO

ALO

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