

EDUARDO CHAMORRO

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EDUCATION

PROFESSIONAL EXPERIENCE

PHD Candidate
(2020 - Present) Full Scholarship
Swinburne University of Technology
- IAAC , Melbourne, Australia
Thesis in " High-Performance
Freeform Spatial 3D Printing
Towards A Material Structurally
Optimized Architecture"
Supervisors-
Mark Burry & Mathilde Marengo

Master's Degree
(2017 - 2018) Scholarship
Institute for Advanced Architecture
of Catalonia (IAAC), Spain
Masters in Advanced Architecture

Postgraduate Diploma
(2014) Full Scholarship
San Pablo CEU Higher Polytechnic
University, Madrid, Spain
Fab Academy : Applications and
Implications of Digital Fabrication

Master's Degree
(2006 -2014)
San Pablo CEU Higher Polytechnic
University, Madrid, Spain
Masters & Graduate in Architecture
Level 7, of the European
Qualifications Framework (EQF)

RESEARCH EXPERIENCE (2015-2022)

Research Project
IAAC - 3DPA, Spain (2022)
First 3D printed earthen
construction in Spain at Living
Prototypes project
(Role : Project Manager and
Machine Expert)

Professional Workshop
FabLab BCN, Spain/S.Korea (2021)
Robotic 3D printing Recycled Plastic
Robotic system installation for
Seoul Innovation Lab
(Role : Lead Researcher)

Professional Research
IAAC-WASP, Spain (2021)
Integration of Wasp XXL paste
extruding system on robotic arms
(Role: Hardware Consultant)

IAAC
FabLab Barcelona
(2017 - Present)

TIDE Institute
FabLab Seoul
(2015 - 2017)

EPS CEU University
(2014)

EBLA Architecture
Studio
(2014)

EPS CEU University
(2013)

ICO Foundation
(2013)

CA14 Architecture
Studio
(2011)

ACADEMIC EXPERIENCE (2015-2022)

Academic Studio
FabLab BCN
Spain (2022)

Academic Studio
FabLab BCN- UTEC
Uruguay (2021-2022)

Academic Seminar
FabLab BCN-Elisava
Spain (2022)

Academic Seminar
Design Morphine -
UACEG Bulgary (2022)

Research Studio
IAAC - MAA
Spain (2022)

Academic Workshop
FabLabBCN - Elisava
Spain (2021)

Academic Workshop
IAAC - MRAC
Spain (2021)

Academic Studio
FabLab BCN
Spain (2021)

Academic Seminar
FabLab BCN-Elisava
Spain (2021)

Senior Researcher & Faculty - Digital Fabrication &
Robotic Expert at FabLab Barcelona & Advanced
Architecture Group
Barcelona, Spain

Researcher & Executive Director at FabLab Seoul, Tide
Institute
Seoul, South Korea

Computational Design & Digital Fabrication Faculty
Madrid, Spain

Junior architect- Developed architectural contests
Madrid, Spain

Exhibition director of "Transformad" architectural
student work exhibit at Madrid Town Hall
Madrid, Spain

Exhibition assistant of "Spain mon amour" Spanish
architectural exhibit
Madrid, Spain

Architectural design & urbanism intern
Barcelona, Spain

Postgraduate Diploma in Fab Academy: Applications
and Implications of Digital Fabrication
(Role : Lead Faculty)

Specialization in Digital Manufacturing & Innovation
Technology University of Uruguay
(Role : Lead Faculty)

Fabricating for Design - Making centered challenges
Master in Design for Emergent Futures
(Role : Lead Faculty)

Computational Robotic lab
Master of Science Computational and Advanced Design
(Role : Lead Faculty)

MAA Digital Matter Research Studio
Master in Advanced Architecture
(Role : Fabrication Expert)

The Almost Useful Machines - Design & Prototyping
Master in Design for Emergent Futures
(Role : Lead Faculty)

Fabrication Design Strategies - Robotic A.M.
Master in Advanced Robotics & Construction
(Role : Lead Faculty)

Postgraduate Diploma in Fab Academy: Applications
and Implications of Digital Fabrication
(Role : Lead Faculty)

Fabricating for Design - Making centered challenges
Master in Design for Emergent Futures
(Role: Lead Faculty)

Research Project FabLab BCN, Spain (2020) Development of an open-source physical computing platform based on esp32 microcontroller (Role: Co-researcher)	Academic Workshop IAAC - MAA Spain (2021)	Data-Informed Structures- Timber In Tension MAA-Masters in Advanced Architecture (Role: Fabrication Assistant)
Research Project FabLab BCN, Spain (2020) Development of an mini open-source machine platform, fully fablab fabricatable and low-cost for educational purposes (Role: Researcher)	Academic Workshop IAAC - MAEB Spain (2021)	Digital Prototyping for Architecture Master in Advanced Ecological Buildings (Role: Lead Faculty)
Research Project CEU University, Spain (2019) Material optimization parametric pavilions prototypes projects at Summer School (Role: Researcher)	Academic Seminar FabLab BCN-Elisava Spain (2020)	Fabricating for Design Master in Design for Emergent Futures (Role: Lead Faculty)
Professional Research Atelier Studio, Saudi Arabia (2019) Art installation & artist training for MISK Foundation with Atelier Studio (Role: Technical artist)	Academic Studio FabLab BCN Spain (2020)	Postgraduate Diploma in Fab Academy: Applications and Implications of Digital Fabrication (Role: Faculty)
Professional Research Atelier Studio, Spain (2019) Art installation physical computing development for Atelier Studio (Role: Technical consultant)	Research Studio IAAC - MAA02 Spain (2020)	MAA02 Thesis Research Studio Master in Advanced Architecture 02 (Role: Faculty Assistant)
Professional Research Nous Engineering, England (2018) MASSBESPOKE development of parametric structural analysis for modular timber construction (Role: Computational consultant)	Academic Workshop FabLabBCN - Elisava Spain (2020)	The Almost Useless Machines - Design&Prototyping Master in Design for Emergent Futures (Role: Faculty)
Research Project England (2018) Workshop for flexible housing design systems. Collaboration: RCA School, TRADA, AJG, Manja van de Worp, Hanson, PetersenCables (Role : Co-organizer)	Academic Workshop IAAC - 3DPA - OTF Spain (2020)	Machine - Building a Open-source Clay 3D printer OTF-Post-Graduate in 3D printing Architecture (Role: Lead Faculty)
Professional Research FabLab Seoul S. Korea (2016-2017) K-Lab Founding Fablab in South East Asia(Philippines, Myanmar, etc) (Role: Project Manager)	Academic Workshop Design Morphine Spain (2020)	Robotic Inform V1.0 - Large Scale Robotic 3D printing generative growth furniture Design Morphine workshop (Role: Faculty)
Research Project Creatable Labs S. Korea (2016-2017) FDM 3D printers developer (Role: Hardware Researcher)	Academic Lecturer A.A. School England (2020)	Prototyping fabrication on acoustics systems with Laura de Azcaráte - Architectural Association School (Role: Lecturer)
Research Project FabLab Seoul S. Korea (2015-2017) Multiple pavilions development for COEX, GGCW and MakerFaire Seoul (Role: Project Manager)	Academic Seminar FabLab Barcelona Spain (2020)	Remotely Controlled CNC & Robotics via internet Master in Design for Emergent Futures (Role: Co-Faculty)
	Academic Seminar IAAC - MAEB Spain(2019)	Digital Prototyping for Architecture Master in Advance Ecological Buildings (Role: Lead Faculty)
	Academic Workshop FabLabBCN FAB-15 Spain(2019)	Opensource Aerial blimps Fabrication FabLab Conference 15th (Role: Co-Faculty)
	Academic Workshop EPS SanPablo CEU Spain (2019)	Aerial Photogrammetry for architecture Graduate degree in Architecture (Role: Faculty)
	Academic Workshop IAAC - 3DPA - OTF Spain (2019)	Machine - Building a clay 3D printer OTF Post Graduate in 3D printing Architecture (Role: Faculty)
	Academic Studio FabLab BCN Spain (2019)	Postgraduate Diploma in Fab Academy: Applications and Implications of Digital Fabrication (Role: Co-Faculty)
	Academic Seminar IAAC - MAEB Spain(2018)	Digital Prototyping for Architecture Master in Advanced Ecological Buildings (Role: Faculty)
	Academic Seminar U.S.A. Embassy S.Korea (2016-2017)	MakerAcademy, Start-upAcademy American Center Korea (Role: Faculty)
	Academic Seminar FabLab Seoul S.Korea (2016-2017)	Postgraduate Diploma in Fab Academy: Applications and Implications of Digital Fabrication (Role: Main-Faculty)

SKILLS			PUBLICATIONS
Rhinoceros	Arduino		FAB17 (2022) Abstract Paper accepted FAB 17th edition of the Fab Lab International Conference and Fab City Summit - Designing Emergent Realities Maker-centred challenges: Promote critical thinking about technology and design for emergent interventions - Dominguez Aparicioa ; Fuentemilla,Santiagoob ; Chamorro, Eduardo ; Gerodimou, Maria Dafnie
Grasshopper	Processing		
Karamba	Photoshop		
Mendeley	Lightroom		
Robots	Illustrator		
ABBTaco	Indesign		DSMB (2022) Abstract Paper accepted at The Design Modelling Symposium Berlin 2022 Towards Radical Regeneration Continuous stress lines spatial lattices formation on fabrication-informed manufacturing - Eduardo Chamorro, Mathilde Marengo
KUKA PRC	Premiere Pro		
UR Robot	AfterEffects		
Vray	Html+css		
Autocad	MkDocs		
Metashape	Scripting		JIDA (2021) JIDAConference on Educational Innovation in Architecture Issue 10, (JIDA 2021) Hyper-connected hybrid educational models for distributed learning through prototyping - Eduardo Chamorro Martin, Kunaljit Chadha
Meshroom	OBS		
Meshmixer	Atom		
Fusion360	Sketchup		
Eagle/Kicad	Ms Office		CFRD (2021) The 3rd International Conference on Computational Design and Robotic Fabrication Proceedings of the 2021 DigitalFUTURES (CDRF 2021) Additive Manufacture of Cellulose Based Bio-Material on Architectural Scale - Yimeng Wei, Areti Markopoulou, Yuanshuang Zhu, Eduardo Chamorro Martin, Nikol Kirova
LANGUAGES			ACCOMPLISHMENTS
Spanish Native	French Bilingual DALF C1	English Bilingual C1-IELTS 8	
AREAS OF EXPERTISE			
Additive manufacturing			2022 Work Publication in "3dprintingmedia" digital media First 3D printed earthen construction in Spain
Robotic arms			2021 Work Publication in "dreamtinyliving" digital media Ecological Niu Haus Tiny House
LaserCutting			2019 Work Publication in "TRAE.DK" magazine (Copenhagen,Denmark) 2nd STATE THINK TANK building systems prototype Exhibit in DanishArchitecture Center DAC(Copenhagen,Denmark) 2nd STATE THINK TANK building systems prototype
3D scanning			
Composites			
CNC Milling			2018 Exhibit of "2nd STATE THINK TANK" in UK Timber Expo 2018 1:1 Prototype flexible design systems for new housing typologies presentation Exhibit in Festival della Scienza (Genova Science Fair) Exhibit of FLUX-IN final thesis project developed at laaC Documentary Interview, "50 years anniversary" Ceu San Pablo School Alumni interview as architect expert in digital fabrication
Design thinking			
Hardware Prototyping			2016 Interview, "Seunssanga Documentary" SBS-Tv Documentary on how maker movement is changing the Seoul Design Publication, in "Ponoko"&"Design" Korean design magazines 3d print design pieces publication
Aerial Photogrammetry			2015 Speaker at "Let's Make Global Forum" Conference Korea, KOFAC Speaker with Hiroya Tanaka,Paul Duggen, Kim Sung Han and Ha Uk Hiu Founding on "Ideas Club" Korean Government Foundings program Drone educational kit development grant
REFERENCES			2014 Work Publication, in "On Diseño" & "Veredes" architectural magazines 3º Position in ArcChallenge Youth Hostel competition Contest for refurbishment of an spoiled neighborhood
FabLab Barcelona (Spain) Guillem Campodron Executive Director of FabLab Barcelona - IAAC			2013 Grant for workshop with Morphosis, OAB, José Gonzalez Gallegos, Izaskun Chinchilla, Zigzag architecture, Mansilla-Tuñon 3ºPosition in Orona CEU architecture competition Vertical architectural systems contest 3ºPosition in Schindler CEU architecture competition Vertical architectural systems contest
EPS CEU (Spain) Dr. Covadonga Lorenzo Cueva Academic Director of Architecture & Design School San Pablo CEU Higher Polytechnic University			
IAAC - UPC (Spain) Dr. Areti Markopolou Academic Director of Institute for Advanced Architecture of Catalonia Advanced Architecture Group, IAAC			
TideInstitute (South Korea) Joseph Hwang Chief Executive Officer of Tide Institute			