

# SIGRADI CEI APPLICATION

## ALBERTO FERNANDEZ GONZALEZ

### BIOGRAPHY

Alberto Fernández González is an Architect, Academic and Researcher of the University of Chile, Master in Architecture of University College London and RIBA Chartered Architect. His career has been developed between academia and professional practice, exploring the "form" designed from the local perspective as a contribution to Global issues applying BIM, Generative Design and Digital Fabrication in different scales, recognised internationally by HOLCIM Award Next Generation, Archiprix International, Sunbrella Future of Shade, UIA La Biennale di Venezia and Evolo Skyscrapers, among others. He has been part of UCH since 2006, where he leads Design Studio 6 - Digital integration and is Tutor for PART 1 Research Seminar unit and PART 2 Graduation Projects design studio. His work has been published nationally and internationally, and now his MPhil/PhD studies are funded by the Chilean Government, UCL and UCH. Now he is a Digital Design Tutor at UCL The Bartlett and an advisory board member of Prospectives Journal from the same school.

### Curriculum Vitae

Alberto Fernández González

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### DISTINCTIONS

2020 PhD research "Cellular Architecture" selected from SIGraDi for Global CAAD conference 2020, 2019 Chilean Government Scholarship and UCL for PhD Studies at The Bartlett School UCL – Chile- UK, 2017 1st Prize Ministry of Public Works Competition for Public Art Access in Antofagasta Airport - Chile, 2016 1st Prize Architizer Sunbrella Future of Shade Competition Building Shade Category – Miami Design District - USA, 2016 2nd Prize Ministry of Public Works Competition for Saltpetre Mining Memorial Iquique - Chile, 2014 Honour Mention Ministry of Public Works Competition for Calama Airport Art installation - Chile, 2013 2nd Place OIT GAM public competition – GAM cultural centre - Chile, 2011 UCL Santander Scholarship for MArch Studies at The Bartlett School UCL - UK, 2011 Chilean Government Scholarship for MArch Studies The Bartlett School UCL - Chile, 2011 Finalist – Young Architects Programme- Constructo MoMA PS1 2011 - USA-Chile  
2010 100 Chilean Young Leaders 2010 - Chile  
2010 1st Prize Extension Project Team 8.8 – FAU – South-American Association of Architecture Schools – South America  
2010 Winner Landscape and Environment projects for Sercotec VI Region - Chilean Gov. - Chile  
2009 Best Chilean Architect Under 35 - Chilean Architects Association - Chile  
2009 Honour Mention Xella Sustainable House TodoObras Magazine – Argentina - Chile  
2008 1st Prize Holcim Awards 2008 "Next generation" Latin-America – Switzerland  
2008 3rd Prize Evolo Arch Skyscrapers for the XXI Century competition - USA  
2007 Winner Archiprix international Shanghai for the Best graduation projects - Netherlands  
2006 2nd Prize, Arquibus Mention South-American Association of Architecture Schools – South America  
2006 Winner team Region 3 UIA Celebration of cities 2, La Biennale di Venezia X - Italy  
2005 Best Chileans Graduation Projects by Chilean Architects Association Magazine CA - Chile  
2005 Best Graduation Project University of Chile - Graduation Project score: 7.0 – Highest Distinction - Chile  
2003 Finalist team Elemental International competition – PUC - Chile

### SEMINARS, CONFERENCES AND EXHIBITIONS

-2nd ICBDT 2021: AI in+form: Bio-inspired solar design in architecture, Dalian Polytechnic University - 23 October, 2021  
-DigitalFUTURES Young: Sea Leve and Climate Change, Coastal Fog Harvesting Tower, Tongi University - Global Event (2021) -10 April 2021  
-Cellular Architecture, World PhD CAAD conference 2020, Istanbul Turkey, 7-9 December 2020  
-Workshop Showcase, ACADIA 2020, Online+Global, 29 October 2020  
-Computational Design I, Digital Futures Young, Tongi University - Global Event (2020), 22 August 2020.  
-BIM From Academy, Chilean BIM day, Santiago Chile (2020), 20 August 2020.  
-Cross Scaled Architectural Design for Public Building Transformations, BIM in Birmingham (2020), Birmingham, UK (2020), 22 Jan. 2020.  
-BIM Chilean Social Housing Analysis II, BIM in Birmingham (2019), Birmingham, UK (2019), 23 January 2019. -BIM Chilean Social Housing Analysis: from the 70's to 90's, Oporto, Portugal (2019), ECAADE SIGRADI, Oporto, Portugal, 11-13 Sep. 2019. -BIM strategy and Education in Chile, RIBA BIM in Birmingham (2018), Birmingham, UK (2018), 24-25 January 2018. -Agenda BIM in Chile, BIM an Agenda for Brazil (2018), Sao Paulo, Brazil, 7 November 2018.  
-Coastal Fog Tower, Homo Faber 2.0, Politics of Digital in Latin America (2018) [Exhibition], SIGRADI, Sao Carlos, Brazil, 05 – 30 Nov.2018.

-*Coastal Fog Tower, Diálogos Impostergables* (2017) [Exhibition], XX Chilean Arch. Biennale, Valparaiso, Chile, 26 Oct – 10 Nov. 2017  
 -International Practice Licensure portability, ACSA Cross Americas Congress, Chile (2016) – USA, 20 January 2016 -*Quasicrystals for design, Sunbrella Future of Shade* (2016) [Exhibition], AIA Philadelphia Congress, USA, 19 – 21 May 2016 -*CFT, Innovation Market* (2016) [Exhibition], 8th European Conference on Sustainable Cities & Towns, Bilbao, Spain, 27-29 April 2016. -*Homo Faber, Digital Fabrication In Latin America* (2015) [Exhibition], Caad Futures, Sao Paulo, Brazil, 07 – 31 July 2015. -*The Valparaiso that we want* (2015) [Exhibition], XIX Chilean Biennale of Architecture, Valparaiso, Chile, 16– 26 April 2015. -*AF\_A Cardboard Pavilion* (2014) [Exhibition], MasDeco Market, Santiago, Chile, 24 -27 April 2014.  
 -*Recurv(e)sive RC1* (2012) [Exhibition], The Bartlett BPro Show, London, UK, 25 -29 September 2012.  
 -*Coastal Fog Tower, Water Wars* (2011-2012) [Exhibition], Science Museum, London UK, 20 September 2011 - 31 June 2012. -*Elements* (2012) [Exhibition], Culture Centre La Moneda Palace, Santiago, Chile, 19 January 2012 - 31 December 2012 -*Summer Cathedral, Expo YAP Constructo MoMA PS1* (2012) [Exhibition], MOMA, New York, USA, 1 March 2012- 30 April 2012. -*Xella Sustainable House* (2009), [Exhibition], Las Americas University, Santiago, Chile, 1 - 31 October 2009 - *Coastal Fog-harvesting tower -Holcim Awards* (2008) [Exhibition], Colegio San Idelfonso, México City, Mexico, 23 - 24 October 2008. - *Agro-Industrial School of Rengo ARCHIPRIX International* (2007) [Exhibition], Tongi University, Shanghai – Beijing, China, 15 - 19 April 2007 - *Bicentros UIA celeb.cities 2 winners* (2006) [Exhibition], Int. Arch. Biennial in Venice, the Palazzo Zorzi, Italy, 10 Sept. 2006- 19 Nov. 2006 - *Expo Recoleta City hall Competition* (2006) [Exhibition], Recoleta, Chile, 1 December 2006  
 - *Expo Best Graduation Project Archirpix. Center Hall FAU* (2006) [Exhibition], Chile 2006 Expo CNAP, Santiago, Chile. 01 -31 August 2006.  
 - *16 Best Graduation Projects 2004-2005* (2005) [Exhibition], University of Chile – PUC, Santiago, Chile. 28 March 2005 - 21 April 2005. - *Expo Elemental International Competition* (2003) [Exhibition], Santiago, Chile, Santiago, Chile, 26 November 2003 - 5 December 2003.

## OTHER RELEVANT ACTIVITIES

*2021-2020 BIM fabrication and automation Board Leader, Chilean Construction Chamber, 2021 Workshop Leader CAADRIA 2021 conference , 2020 Workshop Leader ATRICA 2020 conference, 2020 Workshop Leader Sigradi 2020 Conference, 2020 Workshop Leader Acadia 2020 Conference, 2020-2019 Elected Director BIM Forum Chile, Chilean Construction Chamber, 2020-2015 Workshop Leader Virtual Studio online Arquisu (Unesco) , 2019 RIBA Validation Board Member - U. Central review Part 1 – Part 2 , 2019 Workshop leader Archiprix International (Netherlands) , 2019 Workshop leader Tilburg Architecture Academia (Netherlands) University of Chile (Chile) , 2019-2015 Academic Consultant of Chilean BIM Task Group - Corfo Plan BIM , 2018-2014 School Director / Head of School University of Chile Faculty of Architecture and Urbanism, 2017-2016 National Director of Chilean Association of Architects (CA), 2019-2016 Board Member of Chilean Arts Committee at Chilean Culture Ministry , 2014 National Prize of Architecture Search Committee Member (CA) ,2014 Jury for National Competition of Chilean Undergraduate Projects (CNPP) , 2013 Jury for First Steel National Prize, Chilean Institute of Steel (ICHA), 2010 National Prize of Architecture Search Committee Member (CA) , 2009-2010 President of Young Architects Committee (CA), 2008 Jury for National Competition of Chilean Undergraduate Projects (CNPT) , 2008 Jury for Graduation Projects Selection CA Magazine (CA)*

## PROPOSAL for SIGRADI 2021-2022

*My proposal as contributions towards the SIGraDi community development for the next period are mainly linked with five principal ideas:*  
 -*a broad connection of Sigradi with other associations and organizations thinking in a more inclusive and collaborative agenda (as in example RIBA education, Design museums, Schools of architecture in Latin America, Europe and Asia among others)*  
 -*the development of a strategic plan by which Sigradi can run more educational activities during the year for undergraduate students, being sponsored by software companies.*  
 -*the promotion of new talents from architecture school, creating a special category for the next Sigradi conference, thinking of promoting research seminars from undergraduate as seeds for the future of our society.*  
 -*the creation of a Sigradi Journal, keeping more active our society during the whole year and with that, we can create better networking among different professionals and academics around the globe.*  
 -*the idea of digital mentoring from Sigradi, expanding the PHD workshop to Master's level as an opportunity to expand our society to new members in the short term.*

*These are my proposal to be developed and expanded during the next period, hoping to collaborate in a pretty active way with all the talents that already are pushing Sigradi year by year, enriching the research experience in the digital field from a Latin American perspective but connected with the globe in a quite positive way till now.*

*All the best*

*Alberto Fernández González*  
 > BA (Hons), DipArch (Hons) UCH  
 > MArch AD (Hons), MPhil A&DT UCL  
 > PhD (c) Architecture and Digital Theory UCL  
 > Professor of Architecture @UCH Fau  
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