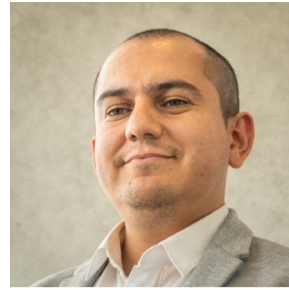


# Sigradi 2023-24 CEI APPLICATION



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## BIOGRAPHY

Alberto Fernández González is an architect, educator and researcher from the University of Chile and The Bartlett. His awards include UIA Venice Biennale Celeb Cities 3, Archiprix International, Architizer Future of Shade and Holcim Award Next Generation. Recognised as the Best Young Chilean Architect in 2009, he is currently a lecturer (Teaching), PhD candidate at UCL, and an advisory board member of the journal Perspectives. His research is funded by ANID, UCL and UCH, exploring the application of Cellular Automata in architecture. He is a SIGraDi board member as Director of Education and also he co-founded DigitalFUTURES Spanish and Rational Energy Architects, studying the intersection of AI, solar energy, VR participatory design and self-generated spaces.

## ACADEMIC EXPERIENCE

2020-Present

Lecturer (Teaching) DFPI + Tutor Skills U10 + Tutor BSA Open Classes + SPTGA MEng EAD + MSci Arch+DFM  
Tutoring and teaching in several programmes, including MArch DFPI, BPro, MEng Engineering and Architectural Design, MSci Architecture, UG10 and BSA Open Classes (Rhino, Fusion 360, Open BIM). My duties are teaching modules about Design from a digital perspective, including skills related to theoretical dimensions as well as software implementation and Design methods.  
UCL, The Bartlett School of Architecture

2013-2020

Professor of Architecture (Teaching) Studio Master at RIBA Part 1 Programme in Architectural Design (Technology Integration Studio 5), Architectural Perception Studio II (2013- 2014), Supervisor at RIBA Part 2 Programme in Professional Practice, Architectural Design Research Seminar, , Diploma of Architecture PART II Design Studio Master (2015-2019) University of Chile. Faculty of Architecture and Urbanism, Department of Architecture 2014-2018 School Director - Programme Director Architecture RIBA Part I and Part II RIBA Part I and II Architectural Studies Programme Direction and Architectural Design Curricula Development by Semester with an average of 1200 students and 100 Professors. University of Chile. Faculty of Architecture and Urbanism, Department of Architecture

## SEMINARS, CONFERENCES AND EXHIBITIONS

- Participatory Design in the Metaverse for Sustainable Habitats, Co-creation Topic 1, CAAD Futures 2023
- INTERCONNECTIONS: Co-computing beyond boundaries, 5-7 July 2023, TU Delft, Netherlands
- Threading Cellular Architecture Geometries, DigitalFUTURES-CDRF 2023: The 4th Conference on Computational Design and Robotic Fabrication (CDRF 2023), College of Architecture and Urban Planning (CAUP), Tongji University Shanghai, China, June 24, 2023
- Bio Receptive Cellular Automata Geometries, BIODIG 2023 5th International Conference for bio digital Architecture & Genetics, UIC, Barcelona, Spain, 30 -31 March 2023
- Cellular Architecture, high resolution as an incremental level of detail toward a neo-post natural aesthetic, TRAITS of Postdigital Neobaroque Conference 2022, PDNB. Funded by the FWF-PEEK (Austrian Science Fund, Programme for Arts-based Research), Department for Experimental Architecture, Universität Innsbruck, Austria., 6-9 December 2022.
- Round The Table, Education without the 2d frame constraints: a WebVR experience from a glocal perspective, SIGraDi 2022 | Critical Appropriations XXVI International Conference of the Ibero-American Society of Digital Graphics, UPC School of Architecture, Lima, Perú, 7-11 November 2022.
- A neo-postnatural high resolution aesthetic by Cellular Architecture, SIGraDi 2022 | Critical Appropriations XXVI International Conference of the Ibero-American Society of Digital Graphics, UPC School of Architecture, Lima, Perú, 7-11 November 2022
- Round-the-Table: A Phygital Exchange, Tenth International Conference on Design Computing and Cognition, University of Strathclyde, Glasgow, Scotland UK, 4-6 July 2022
- AI in+form: AI application in Participatory Solar Design, Tenth International Conference on Design Computing and Cognition, University of Strathclyde, Glasgow, Scotland UK, 4-6 July 2022
- Digital Commons: Decolonial Urbanism in Datafied Societies, 15th Conference of the Interantional Forum of Urbanism, IFOU, Bordeaux National School of Architecture and Landscape, Bordeaux France, June 29 - July 1 2022
- Cellular Automata, Memory and Intelligence, DigitalFUTURES-CDRF 2022: The 4th Conference on Computational Design and Robotic Fabrication (CDRF 2022), College of Architecture and Urban Planning (CAUP), Tongji University Shanghai, China, June 25-26, 2022
- Towards an Adaptive BIM, BIM in Birmingham 2022 conference, Birmingham School of Architecture, BCU , Birmingham UK, 20 April 2022
- 'Round The Table: A sustainable academia via phygital exchanges'+ 'Decentralised Solar Economy: Unattended and Smart Solar Energy Urban System (UnSSEUS)',-AI In+form: Intelligence and Aggregation for Solar Designs in the Built Environment, SIGraDi 2021, Georgia Tech + Global - 8-12 Nov 2021
- Round the Table: A Planetary Classroom Beyond the 2D Frame, UCL Researcher Lead initiative - BSA - 3 Sept- 24 Sept - 29 Oct 2021
- 2nd ICBDT 2021: AI in+form: Bio-inspired solar design in architecture, Dalian Polytechnic University - 23 October, 2021
- Architecture making the most of solar energy at the local level, The Bartlett COP26 Together for Climate Action - BSA - 11 October 2021

- Greatest Happiness, Digital Commons, Decolonial Urbanism, The Bartlett Together Festival 2021 - BSA - 1 October 2021
- AI in+form: Bio-inspired solar design in architecture, CAAD Futures 2021, University of Southern California - Global event - 16-18 July 2021
- DigitalFUTURES Young: Sea Leve and Climate Change, Coastal Fog Harvesting Tower, Tongi University - Global event -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 Archiprix. 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

- 2022-2023 SIGraDi Elected Director of Education, Ibero America
- 2021-2023 Digital Futures, Spanish - CoFounder, USA - China
- 2021-2022 SIGraDi Elected Director of Innovation, Ibero America
- 2021-2020 BIM fabrication and automation Board Leader, Chilean Construction Chamber
- 2021 Workshop Leader Digital Futures, Inclusive futures initiative
- 2021 Workshop Leader CAAD Futures 2021 conference
- 2021 Workshop Leader SIGraDI 2021 conference
- 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 Arquisur (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 2023-24

In my proposal for the next period, I aim to enhance SIGraDi's community development through four key initiatives:

1. Strengthening SIGraDi's connections with various associations and organizations, fostering a more inclusive and collaborative agenda. Examples include partnerships with other institutions and associations.
2. Developing a strategic plan to increase educational activities throughout the year, as online seminars and talks about what is happening in Sigradi, similarly to the ones that we developed with DF the last year, promoting a more stable content during the year.
3. Elevating emerging talents from architecture schools by introducing a special category at the next SIGraDi conference. This includes encouraging research seminars at the undergraduate level.
4. Introducing innovative methods to showcase research at our conferences, incorporating projects, ongoing research, and poster exhibitions. This initiative aims to provide diverse avenues for presenting and discussing valuable contributions within our community.

These proposals aim to actively contribute to the ongoing growth of SIGraDi, enriching the digital research experience from a Latin American perspective while maintaining a positive global connection. I look forward to collaborating with the talented individuals who consistently drive SIGraDi's progress year after year.

All the best

Alberto Fernández González

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