

CURRICULUM VITAE

GABRIELA I. BUSTOS L., D.ARCH, MIA, ARCH

1. EDUCATION

1.1. Educational Credentials

College of Architects and College of Engineering, Venezuela N° CIV: 117808

1.1.1. UNIVERSITY OF ZULIA, SCHOOL OF ARCHITECTURE AND DESIGN 2004 – 2009

La Universidad del Zulia (LUZ) Facultad de Arquitectura y Diseño (FAD)

Doctorate in Architecture Program

16th Avenue 69th Street Technical Center, Maracaibo, Venezuela

Doctora en Arquitectura/ Doctor of Architecture – D.ARCH

Honorable and publishing mention

Dissertation - Doctoral Thesis

Publication: October 30, 2009 – Maracaibo, Venezuela

Original: “Epistemología Compleja del Diseño Arquitectónico con Tecnología Digital:

ASMI en los Talleres de Diseño Arquitectónico”

In English: “Complex Epistemology of Architectural Design with

Digital Technology: Semi in Architectural Design Workshops”.

1.1.2. UNIVERSITY OF ZULIA, SCHOOL OF ARCHITECTURE AND DESIGN 2000 – 2003

La Universidad del Zulia (LUZ) Maracaibo, Venezuela

Magister Scientiarum en Informática en Arquitectura

Masters -Informatics in Architecture Program- MIA

Honorable and publishing mention

1.1.3. UNIVERSITY OF ZULIA, SCHOOL OF HUMANITIES AND EDUCATION 2000 – 2001

GRADUATED STUDENTS DIVISION

La Universidad del Zulia (LUZ) Maracaibo, Venezuela

Academic Formation and Actualization Program to Higher Education

Graduated with Honors

Profesor de Educación Superior -Niveles I y II

Professor of Higher Education Levels -I and II

1.1.4. UNIVERSITY OF ZULIA, SCHOOL OF ARCHITECTURE AND DESIGN 1994 – 1999

Maracaibo, Zulia State, Venezuela

Arquitecto - Arq. / Architect - ARCH

Summa Cum Laude

1.2. Continuing Education - UNIVERSITY OF WISCONSIN MILWAUKEE / UWM

- 1.2. Attending University of Wisconsin Milwaukee, Peck School of the Arts 2017-Present
 Candidate for License as an Art Teacher
 Department of International Students at UWM evaluated transcripts and grades in: Architect,
 Master in Informatics and Doctor of Architecture.

Student Experience at UWM:

- Lubar Entrepreneurship Center – Startup Challenge 2017 - 2018
 Participation in UWM Student StartUp Challenge
 Project: Affordable House for Emergency Assistance in Disasters (AHEAD)
- Innovators EXPO 2018 May 1, 2018
 Uwm Lubar Entrepreneurship Center

2. AWARDS

- 2.1. Department of Science and Technology (MCT) 2011-2013
National Observatory of Science, Technology and Innovation (ONCTI)
Caracas, Venezuela
 Program Stimulus to Innovation and Investigation, Level C
 (Programa de Estimulo a la Innovación y la Investigación, PEII) (2011 – 2013)
- 2.2. University of Zulia 2008
Council of Scientific, Humanistic and Technological Development CONDES
 Dr. Francisco Eugenio Bustamante Award
- 2.3. Iberian-American Digital Graphic Society. SIGraDi 2002
Highest honor in scientific investigation
 “Development and Applicability of Virtual Menus with VRML”
 Authors: Gabriela Bustos and Ivan Burgos
- 2.4. University of Zulia 1999
Venezuela
Architect - Summa Cum Laude Award

3. WORK HISTORY**3.1. Teaching Experience and Academic Positions**

- 3.1.1 Saint Adalbert School 2015 – Present
 1913 W Becher St., Milwaukee, WI 53215
 Art Teacher / K4- 8th Grades
 Created and developed syllabus and structure of Art Program all grades.
- 3.1.2 University of Zulia, School of Architecture and Design
Doctorate in Architecture Program – Venezuela 2018 - 2019
 Tutor of Doctoral Dissertation of Candidate Francisco Rincon
 Architectural Design with Digital Technology

**3.1.3 University of Wisconsin Milwaukee,
School of Architecture and Urban Planning** 2017 – 2018
Invited reviewer at architectural studios:

- Arch 320 / 2nd Project, February 21, 2018
Assigned with Professor Kyle Reynolds
- Arch 420 / 2nd Project, March 12, 2018
Assigned with Professor Mo Zell
- Arch 320 / Final Project, May 4, 2018
Assigned with Professor Amanda Koch
- Spring 2018 Thesis Reviews, May 10, 2018
Master in Architecture Program / SARUP UWM

3.1.4 University of Zulia, School of Architecture and Design 1995 - 2015
La Universidad del Zulia (LUZ) Facultad de Arquitectura y Diseño (FAD)
16th Ave. 69th St. Technical Center, Maracaibo, Venezuela
Last position: Associated Professor and Researcher

3.1.4.1. Department of Theory and Practice of Architecture and Design / Undergrad Program

- Sabbatical Year + Two years of nonpayment leave of absence. 2012-2015

Research:

BUSTOS, Gabriela, 2012-2014

"Ethics in Digital Technology in Design from a Complex Epistemology Vision"

Superior / Supervisor: Susana Gomez, D. Arch / Dean

- Associated Professor and Researcher (FT) 2009- 2015

Studio Teaching: Architectural Design I, Architectural Design II, Architectural Project I.

Research Project Seminar I

Research Project Seminar II

Topics: Ephemeral architecture, interactive architecture, residential, hotels, offices, commercial, elementary school, and urbanism.

Digital Graphics: Architectural Design aides with VRML (Virtual Reality Modeling Language). Software: AutoCAD, 3D Studio, VRML, Cortona, White Dune, VR Space.

Superior / Supervisor: Susana Gomez, D. Arch / Dean

Maria Marti, Chair of Department

Nora Marquez, Chair of Department

- Aggregated Professor and Researcher (FT) 2003-2009

Member of the program: Urban Caribbean (2004-2005).

Professor and designer: Coast's Architecture.

Member of the Commission of Academic Management of Architecture School
(Session N° 33-2003 Faculty Consul)

Superior / Supervisor: Ramon Arrieta, D. Arch / Dean

Ivan Burgos, D. Arch / Urban Caribbean Coordinator

Anile Carruyo, D. Arch / Urban Caribbean Coordinator
Andres Echeverria, D. Arch / Urban Caribbean Coordinator

- Assistant Professor and Researcher (FT) 2001-2003

Studio Teaching: Introduction to Architectonic Design and Architectonic Design I.

Superior / Supervisor: Miguel Sempere, D. Arch / Dean
Thais Ferrer, D.Arch / Chair of Department

- Academic Internship 2000-2001

Tutor: Alejandro Carrullo, D.Arch

- Teaching Assistant (FT) 1995-1999

Subject: Constructive Systems, Techniques Introduction II, Soils and Topography.

Superior / Supervisor: Ignacio Oteiza D. Arch / Dean

3.1.4.2. **Graduated Student Division – LUZ FAD**

- Director, Master of Informatics in Architecture Program and Coordinator, Chair of Digital Art 2008-2011

DEPG FAD LUZ and Contemporary Art Museum of Zulia, Venezuela
Superior / Supervisor: María Iriate de Blanco, D. Arch

- Coordinator, ICAD Research Staff (LUZ) (FAD) 2005–2008

Informatics and Computing Applied to Design
 Superior / Supervisor: Jane Espina, D. Arch

- Master of Informatics in Architecture Program Associate Professor 2003 – 2015

Professor: Alternatives of Design, Virtual Reality, Virtual reality Research Project
 Specialist: Virtual Reality, Digital Design, Data Base, GIS (Geographic Information Systems), Web Design, Multi-users Living Worlds.

3.1.4.3. **Extension Division – LUZ FAD**

- Director, Interactive Architecture, Digital Design Program, Virtual Reality and Interactive Mention 2009 - 2011

Professor: Interactive Design and Digital Art
 Expert on Interactive Design and Digital Art
Superior / Supervisor: Adriana Rangel, Mg.Sc. Giscard Gonzalez, Mg.Sc. Dina Bromberg, D. Arch

- Director of Scientific On-line Magazine “Portfolio” of FAD LUZ 2005-2007
Superior / Supervisor: Dina Bromberg, D. Arch

- Director, Publications Unit FAD LUZ 2003-2004
- Member of Editorial Committee of Scientific Magazine “Portfolio” of FAD LUZ 2003-2006
- Member of the Board of Publications of LUZ 2003-2004

- 3.1.5. **“Julio Arraga” School of Art** 1995

 Maracaibo, Zulia Venezuela
 Escuela Nacional de Arte “Julio Arraga”
 75th Street 3H Avenue, “Quinta Dora” No. 3C-83. Maracaibo, Venezuela
- Substitute Teacher
 Fine Arts Critique, Analytical Drawing (October 1995 thru December 1995)
 Professor Eduardo Moran, Principal
- 3.1.6. **“Neptali Rincon” Art Academy** 1994 - 1998

 Maracaibo, Zulia Venezuela
 Escuela Superior de Arte “Nepalí Rincón” Secretaria de Cultura del Estado Zulia.
 3rd Ave. El Milagro, Maracaibo, Venezuela
- Teacher
 History of Art, Free-Hand Drawing (December 1994 thru May 1998)
 Professor Consuelo Guerrero, Principal
- 3.1.7. **“Neptali Rincon” Art Academy** 1994

 Maracaibo, Zulia Venezuela
 Escuela Superior de Arte “Nepalí Rincón” Secretaria de Cultura del Estado Zulia.
 3rd Ave. El Milagro, Maracaibo, Venezuela
- Substitute Teacher
 History of Art, (September 15, 1994 thru December 15, 1994)
 Professor Consuelo Guerrero, Principal
- 3.1.8. **“Julio Arraga” School of Art** 1994

 Maracaibo, Zulia Venezuela
 Escuela Nacional de Arte “Julio Arraga”
 75th Street 3H Avenue “Quinta Dora” No. 3C-83. Maracaibo, Venezuela
- Substitute Teacher
 Fine Arts Critique, Analytical Drawing (June 1994 thru July 1994)
 Professor Eduardo Moran, Principal

3.2. Professional Positions

- 3.2.1. **Pa-Kua Group International** 2011 – 2015

 Venezuela - Panamá
- Architectural Design Department, Architect Assistant
 Residential Buildings
 Conceptual Designer, AutoCAD and 3DS MAX
 Digitalrepresentation and visualization with BIM X Pro
 President: Santiago Colmenares, Arch.
- 3.2.2. **Tecno-Casa, Architecture and Engineering** 2009 – 2010

 Maracaibo, Venezuela
- Architectural Design and Digital Graphics Department Designer
 Residential and Commercial Buildings
 AutoCAD and 3DS MAX Digitalrepresentation and visualization
 President: Jesus Fernandez, Eng.

- 3.2.3. **Espacio 2000, Arquitectos C.A** 2008 – 2009
 Bella Vista Avenue. Centro Commercial Villa Inés Maracaibo, Venezuela
- Architectural Design Department, Architect Assistant
 Commercial Buildings
 AutoCAD and 3DS MAX Digital representation and visualization
 President: Lisa Suchar de Chic, Arch.
- 3.2.3. **Pdvsa. Petroleum of Venezuela (Petroleos de Venezuela)** 1998
 Tia Juana, Zulia Venezuela
- Department of Infrastructure and General Services Engineering Assistant
 Effectively designed, developed and planned the adaptations of the Oil Industry Pensioners Care Center from Lagunillas and Bachaquero, OIPCC-L AND OIPCC-B
 (September 5 thru December 17, 1998)
 Superior: Maria A. Bracho, Eng.
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4. RESEARCH

University of Zulia, School of Architecture and Design

Successfully Completed:

BUSTOS, Gabriela, 2001. "VRML-assisted Design of Interior Spaces". School of Architecture and Design, University of Zulia. Maracaibo. Zulia State, Venezuela.

Tutored by Professor CARRUYO, Alejandro.

BUSTOS, Gabriela, 2002. "Virtual Menus with VRML within Interior Spaces Design: The threshold to Synthetic Environments Laboratory". School of Architecture and Design, University of Zulia. Maracaibo. Zulia State, Venezuela. Tutored by Professor BURGOS, Ivan.

BUSTOS, Gabriela, 2008-2009. "Modeling and Interactive tridimensional Simulation (MS3DI) in traditional and on-line design studios". Research project for promotion to associate professor. School of Architecture and Design, University of Zulia. Maracaibo. Zulia State, Venezuela.

BURGOS, Iván. BUSTOS, Gabriela. 2002-2005 "Implementation and Development of Synthetic Environment Laboratory at Facultad de Arquitectura y Diseño". School of Architecture and Design, University of Zulia. Maracaibo. Zulia State, Venezuela. (Co-researcher)

*Program from the Institute of Investigations of FAD-LUZ
 Auxiliary co-researcher*

"Application of Informatics in Architecture and Design. Project n° 2. Phase I. Hypermedial Model of Maracaibo City." 2003-2005. School of Architecture and Design. University of Zulia. Maracaibo, Zulia State, Venezuela. Responsible: Professor INDRIAGO, Jose.

ICAD Group. 2006-2008 "Investigatory strategies and approaches to design with Digital Technology". School of Architecture and Design. University of Zulia. Maracaibo. Zulia State, Venezuela. (Co-researcher)

Research / Sabbatical Year

BUSTOS, Gabriela, 2012-2014. "Ethics in Digital Technology in Design from a complex epistemology vision". School of Architecture and Design. University of Zulia. Maracaibo. Zulia State, Venezuela.

5. PUBLICATIONS

Preferred Journals (Double Blind)

Chapter in the Refereed Book Sigradi 2013

2013 BUSTOS G, GONZÁLEZ G. and RINCÓN F. 2013. Didáctica Proyectual y Entornos Post-digitales. Prácticas y Reflexiones en Escuelas Latinoamericanas de Arquitectura y Diseño. Mar del Plata: Universidad Nacional de Mar del Plata. Pp, 44. ISBN 978-987-544-545-1

Refereed Journal Orbis, Caracas, Venezuela.

2011 CARDONA Richard; BUSTOS, Gabriela; MARTIN, Víctor. "Circadian metamorphosis in the urban landscape from the complex epistemology". ISSN: 1856-1594. Redalyc. Latindex 14.510.No. 18. Pp, 82-115.

Refereed Journal Orbis, Caracas, Venezuela.

2011 CARDONA Richard; BUSTOS, Gabriela; MARTIN, Víctor. "Circadian metamorphosis: a strategy for the observation and diagnose of the urban phenomenon.". ISSN: 1856-1594. Latindex 14.510

Refereed Journal "De Arquitectura" Santiago de Chile, Chile.

2007 VELEZ, Gonzalo; BUSTOS, Gabriela. "Design Alternatives: Architecture to Cyberspace as strategy of education. Case: Virtual 3D interactive multi users to Las Americas virtual Studio". No 15-2007. Chile University. Index: Latindex. Folio 11904. Issn 0716-8772. pp, 33-38.

Refereed Digital Journal Arquitetura Revista. São Leopoldo, Brazil.

2007 BRUSCATO, Underlea; BUSTOS, Gabriela, GARCIA, Rodrigo. "Shared Dreams: Multi-user visits in architectonic distance models". ISSN 1808-5741. Edition N2 . V.3 No.2:31-38. July-December 2007. UNISINOS. Index QUALIS. pp, 31-38.

Refereed Journal Orbis, Caracas, Venezuela.

2006 BUSTOS, Gabriela; "Glocal" in Digital Technology + S3DI matter of perception in the creative process of architectural design". ISSN: 1856-1594. Redalyc. Latindex 14.510. Year 2 / Nº 5 / November 2006. Pp, 5-51.

Refereed Digital Journal Vitruvius. Arquitectos. Brasil.

2004 VELEZ, Gonzalo; BUSTOS, Gabriela; "Teaching experiences on modeling interactive virtual museums". Special Edition No 252. September 2004. ISSN: 1809-6298. CAPES -A.

Refereed Journal IJAC. International Journal of Architectural Computing. University of Utah. Utah, USA.

2003 BUSTOS, Gabriela, BURGOS, Ivan. "Virtual Menus on VRML". Issue 03. Volume 01. September 2003. Especial Edition. ISSN 1478-0771. Multi – Science Publication. pp .347-359

PAPER "IN EXTENSO" IN REFEREED ACTS (PROCEEDING)

SIGraDi 2013. Valparaiso, Chile

2013 BUSTOS, Gabriela. "Method 7.1. Re-action in multi-re-form: ethical regeneration of Digital Technology (DT) + Architectural Design (AD)". In Knowledge-based Design - Proceedings of the 17th Conference of the Iberoamerican Society of Digital Graphics, 54-57. SiGraDi Valparaiso, Chile, 2013.

SIGraDi 2012. Fortaleza, Brazil

2012 BUSTOS, Gabriela. "Ethics in the Complexity of Architectonic Design with Digital Technology (DT): Multidimensional Collaborative Networks". Universidad de Fortaleza. Pp 43-46

SIGraDi 2011. Santa Fe. Argentina.

2011 BUSTOS, Gabriela; GONZALEZ, Giscard; RINCON, Francisco. "Interactive architecture, reaction, behaviors and transformations in the Digital Design Program". Universidad Nacional del Litoral. ISBN: 978-987-657-679-6. Pp 171-174.

SIGraDi 2010. Bogotá, Colombia

2010 BUSTOS, Gabriela. "A Complex Epistemology of Architectonic Designs Using Digital Technology: Preliminary Definitions in Virtual Workshops". Universidad de los Andes. Bogotá. ISBN 978-958-695-565-2. Pp 197-200

SIGraDi 2009. São Paulo, Brazil

2009 BUSTOS, Gabriela. "Architecture derivations in light of seductive digital technology". Universidade Presbiteriana Mackenzie. ISBN 2176-0519. Pp 95-97

CUPUM 2007. 10TH. São Paulo, Brazil

2007 BUSTOS, Gabriela; BRUSCATO, Underlea; GARCIA, Rodrigo. "Protocols for Shared VRML Urban Projects". International Conference on Computers in Urban Planning and Urban Management. University of Sao Paulo USP

SIGraDi 2006. Santiago de Chile, Chile.

2006 BUSTOS, Gabriela; GARCIA, Rodrigo; VASQUEZ DE VELASCO, Guillermo. "Virtual Workshop of the Americas: Proposal of development with multi-user interactive environment of support". Universidad de Chile. ISBN 956-19-0539-6, pp 105-109

SIGraDi 2005. Lima, Peru.

2005 BUSTOS, Gabriela; BURGOS, Iván; OLIVA, Javier. "Multiuser worlds: 3D interactive visualization in synthetic environments to design workshops". UPC. PERU. ISBN: 1-59975-306-5, Pp 344-349

CISCI 2006. Orlando, FL, USA.

2006 BUSTOS, Gabriela; BURGOS, Ivan. "Urban Interactivity 3D: SIG+VRML". 5th Iberoamerican Conference in Systems, Cybernetic and Informatics Florida. ISBN: 980-6560-88-4 (Collection), 980-6560-89-2 (V.I) Pp 74-80

MX Design Conference. Ciudad de Mexico, México

2005 BUSTOS, Gabriela; BURGOS, Ivan. "From a Methodological Concepcion Bi to Three-dimensional in Architecture Education". Design Perspective, Envisioning Design for XXI Century. Universidad Iberoamericana.

UDMS 2004. Venice, Italy

2004 GONZALEZ; Maria, BUSTOS, Gabriela; BURGOS, Iván; OLIVA, Javier. "3D Urban Interactivity: GIS+VRML. The experience of BLPG Project". Urban Data Management Symposium. Copyright URBAN DATA MANAGEMENT SOCIETY. Delft University Technology.NL 2628. Netherlands. Pp 10.23-10.34

6. EXPERIENCE: EVENT PARTICIPATION

(SPEAKER, FACILITATOR, COMMITTEES, PARTICIPANT) (LAST 6 YEARS)

Orlando, FL, U.S.A. International Executive Committee. Information and Communication Technologies and Applications ICTA. 2012

Latin America. International Executive Committee. SIGraDi. Iberian-American Digital Graphic Society. 2010-2014

Concepción, Chile. Facilitator, on-line, Taller de Trans-versatilidad del Modulo 2, Teoria y Practica Avanzada. Universidad del BIO BIO. Magister Didáctica Proyectual.

"Experiences in Architectural Design with Digital Technology / academic strategies in on-line workshops" 2011

Santa Fe, Argentina. Speaker, Evaluator Committee

SIGraDi. 2011. Augmented Culture. Universidad Nacional del Litoral. "Interactive architecture: Reactions, behaviors and transformations in the Digital Design Program"

College Station, TX - Muncie, IN, U.S.A. Participant, (2005, 2006, 2009)

International Evaluator (2005-2012) Las Americas Virtual Studio, Texas A&M University - Ball State University.

Bogotá, Colombia. Speaker, Evaluator Committee SIGraDi. 2010. Universidad de los Andes.

"Complex Epistemology of Architectural Design with Digital Technology: First generation in a virtual workshop"

São Paulo, Brazil. Evaluator Committee. SIGraDi. 2009. XIII Universidade Presbiteriana Mackenzie.

Santiago de Chile, Chile. Evaluator Committee SIGraDi. 2006. Post Digital. Universidad de Chile.

Orlando, FL, USA. Evaluator Committee. Iberoamerican Conference in Systems, Cybernetic and Informatics (CISCI) 2007-2008

Lima, Perú. Speaker SIGraDi. 2005.UPC. "Multiuser worlds: 3D interactive visualization in synthetic environments to design workshops".

Venezia, Italia Speaker UDMS 2004, Urban Data Management Symposium

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"3D urban interactivity: GIS+VRML. The experience of BLPG project"

LANGUAGES

Spanish –native language–speak fluently and read/write with high proficiency

English – speak, read and write with above average competency

MEMBERSHIPS

Colegio de Ingenieros de Venezuela. Centro de Ingenieros del Estado Zulia. License N° CIV: 117808

1999

Asociación de Profesores de la Universidad del Zulia. APUZ. N° 2159

1999-2015

Sociedad Iberoamericana de Grafica Digital - SIGraDi

2002-2014