

## Escuela Superior Politécnica del Litoral Resume

### PERSONAL DATA

<b>LAST NAMES:</b>	Solórzano Alcívar
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### SUMMARY

Ph.D. in Science, Dr. Honoris Causa and Order of Educational and Cultural Merit Magnus Docentis (OICEE), Ambassador of Peace of the Americas, and Doctor Honoris Causa Award (ODAE).

Her professional and academic training, in addition to her doctoral studies, which she graduated with high distinction, include a specialization in an internationally recognized research program, two master's degrees, including an MBA and a degree in Quality Systems Administration Management, a diploma in International Project Management, as well as international certifications such as Facilitator in Entrepreneurship and Technological Innovation, Technological Project Management, and recent studies in Diplomacy and International Relations in Switzerland.

Her experience is highlighted in research methodologies and university teaching in education and technology (ICTs), gamification, inclusive education and community engagement, information systems (IS), project management, and entrepreneurship. In the professional field, she has held managerial and presidential positions related to commercial and financial management and academic leadership positions in public and private organizations.

### ACADEMIC INFORMATION

QUALIFICATION	LEVEL	INSTITUTION	AREA	COUNTRY
Ph.D. Doctorate in Philosophy (Technology Adoption and Information Systems)	Fourth level	Griffith University	Information and communication technologies	Australia
Diploma in Advanced Research	Fourth level	Griffith University	Education	Australia
Academic Certification in Diplomacy and International Relations	Fourth level	Geneva School of Diplomacy and International Relations	International Relations	Swiss
Master of Business Administration (MBA)	Fourth level	ESPOL - University of Quebec in Montreal	Social sciences, business education, and law	Canada



Master's in Quality Systems Administration	Fourth level	ESPOL in agreement with the University of Monterrey	Information and communication technologies	Mexico
Diploma as a Specialist in Design, Administration, and Development of International Projects	Fourth level	ESPOL in agreement with the Pontifical Catholic University of Ecuador	Social sciences, business education, and law	Ecuador
Graduate in Information Systems	Third level	ESPOL	Information Systems and Technologies	Ecuador
Microcomputer Support Analyst	Third level	Sheridan College	Information Systems and Technologies	Canada
Systems analyst	Third level	ESPOL	Information Systems and Technologies	Ecuador
Certifications of specialized international diplomas	Fourth level	- UQ University, - Oxford University, Geneva School of Diplomacy - GSD	- English - ICT Management Diplomacy and International Relations	- Australia - England - Swiss

### **EXPERIENCE IN HIGHER EDUCATION INSTITUTIONS**

INSTITUTION	EXPERIENCE	START DATE	END DATE	DEDICATION
ESPOL	Dean of the Faculty of Art, Design and Audiovisual Communication	11/13/2022	Present	Full time
ESPOL	Senior Lecturer	19/05/1986	Present	Full time
ESPOL	Teacher and Researcher: • Director of Research Projects (Education-Art-Technology line) Director of RTE and ÑAWI Scientific Magazines	2017	Present	Full time
Griffith University	Visiting Professor	01/12/2014	09/30/2016	Full time
ESPOL	Thesis supervisor and member of the evaluation committee. ESPAE Postgraduate Students	2008	2011	Occasional
Holy Spirit University (UESS)	Guest Thesis Director. Graduate Students	2010	2012	Occasional



Holy Spirit University (UESS)	Teacher Guest level postgraduate	2009	2010	Occasional
University of Machala	Guest Professor at the postgraduate level	2009		Occasional
CEC-ESPOL, Technical University of Babahoyo UTB, University of Santa Elena	Instructor in training and continuing education seminars and workshops	2005	2010	Occasional
ESPOL	Director of Research and Development Projects. Technology area applied to early childhood education: "Interactive Multimedia for Early Childhood Education (MIDI)" projects.	2001	2010	Full time
ESPOL	Director of the Multimedia Research and Development Laboratory	2001	2002	Full time
ESPOL	Director of the Multimedia Research and Development Laboratory	2006	2008	Full time

**PROFESSIONAL EXPERIENCE**

INSTITUTION	POST	AREA	START DATE	END DATE
ESPOL	Editorial General Director ESPOL - RTE Technology Magazine Indexed multidisciplinary scientific journal	Dean of Research	10/30/2019	Present
ESPOL	Executive Director, Indexed Research Magazine "ÑAWI: Art Design and Communication"	Faculty of Art, Design and Communication	09/27/2017	Present
ESPOL	Member of the Postgraduate Committee for the Master's Degree in Digital Audiovisual Postproduction.	Digital Audiovisual Postproduction	2017	2017
Griffith University	Vice President-Elect of the Graduate Student Association	Student Association	2015	2016



Griffith University	Elected International Student Representative of the Graduate Student Association	Student Association	2014	2015
(IJMSEM) International Journal of Management Science and Engineering Management, ÑAWI, LA-CCI EEE 2018, CITT 2018, LA-CCI EEE 2019, ICIS 2013, IGI-Global, Indian Institute of Information Technology Design and Manufacturing Kancheepuram	Invited professor-researcher as session director at international conferences, member of several technical committees, and blind peer reviewer in global and national scientific journals, publications at international conferences, book chapters, and doctoral theses	Investigation	2013	2019
ESPOL	President-elect of the Teachers Association	Teachers Association	2008	2013
ESPOL	Deputy Director of ESPOL – FOCUS magazine	Rectorate	2008	2009
ESPOL	Director of the School of Design and Visual Communication, Escuela-EDCOM	Faculty of Art, Design and Communication	2006	2006
ESPOL	Director (General Coordinator) in three different periods of the Computer Technology and Graphic Design Program-PROTCOM (current FADCOM)	Faculty of Art, Design and Communication	2003	2005
ESPOL	Vice-Rector (e) of Student Affairs and Polytechnic Welfare	Polytechnic Welfare	2002	2003
ESPOL and private companies, NGOs, and government institutions, such as ECAPAG, INTERAGUA, the Armed Forces, the Municipality of Samborondón, among others	Director of several technical projects related to information systems development, audits, and reengineering.	Public and private sectors	1989	2010
ESPOL	Director (General Coordinator) in three different periods of the Computer Technology and Graphic Design Program-PROTCOM (current FADCOM)	Faculty of Art, Design and Communication	1999	2001
DEASESORIAS SA Information Systems	President	Management	1996	2001



Development and Support Company				
Financial corporations and public institutions such as CFN	Information Systems Advisor	Public and private sectors	1986	2008
ESPOL	Director (General Coordinator) in three different periods of the Computer Technology and Graphic Design Program-PROTCOM (current FADCOM)	Faculty of Art, Design and Communication	1989	1991

### **ACADEMIC EVENTS / PROFESSIONAL DEVELOPMENT**

EVENT	GUY	STAKE	START DATE	DATE END	DUR ATIO N	CERTIFIED BY:
5th Latin American Congress of editors of scientific journals and researchers	Course	Participant (received)	05/22/2025	05/23/2025	40	FUNDES University Institution
Docencia: Generative Intelligent Teaching	Course	Participant (received)	04/21/2025	04/25/2025	5	CISE-ESPOL
Universal Design for Learning (UDL): Strategies for Inclusive Teaching	Course	Participant (received)	04/16/2025	04/16/2025	2.5	ESPOL
Operator of the National Public Procurement System - SNCP Operator Certification. Certification validity: 2 years. Fundamentals of Public Procurement.	Certification	Participant (received)	01/18/2025	01/18/2025	2	SERCOP
BASIC GUARANTEES OF DUE PROCESS	Course	Participant (received)	05/28/2024	05/28/2024	1	ESPOL
INTCEC 2024	Congress	Speaker	11/06/2025	June 13, 2025	20	Lewis University
ESPOL SPOKESMEN PROGRAM	Course	Participant (received)	08/05/2024	08/05/2024	4	ESPOL
CIICATI 2023	Congress	Speaker	09/21/2023	01/09/2023	8	REDPRO
TICEC 2023	Congress	Speaker	10/18/2023	20/10/2023	20	CEDIA
i-art Research applied to art and design	Course	Participant (received)	July 31, 2023	03/08/2023	12	FADCOM (ESPOL)



InHouse Tech	Congress	Participant (received)	June 27, 2023	June 27, 2023	9	ESPOL
Master Class: Video Game Development with Unreal Engine	Workshop	Participant (received)	June 13, 2023	June 13, 2023	2	FADCOM (ESPOL)
THE SCIENCE THAT IS TOLD IS WHAT COUNTS	Workshop	Participant (received)	08/05/2023	12/05/2023	40	Embassy of Spain, ESPOL Divulga, and The Conversation
Operator of the National Public Procurement System - Fundamentals of Public Procurement	Certification	Participant (received)	07/01/2023	07/01/2023	2	National Public Procurement Service
International Conference on Electrical, Computer, Communications, and Mechatronics Engineering	Congress	Participant (received)	11/16/2022	11/18/2022	24	IEEE
20th LACCEI International Multi-Conference for Engineering, Education and Technology	Congress	Participant (received)	July 18, 2022	07/22/2022	40	LACCEI
XXVII LATINDEX TECHNICAL MEETING	Round table	Participant (received)	09/22/2021	09/22/2021	3	LACCEI
Research methodology	Course	Participant (received)	5/3/2020	7/3/2020	20	UNAE and the United States Embassy
ACM chapter international conference on educational technology, language, and technical communication	conference	Instructor (taught)	27/1/2020	31/1/2020	20	ACM
Development of teamwork skills	workshop	Participant (received)	12/12/2019	12/13/2019	6	Entrepreneurship Center of the Polytechnic School of the Coast
The 2nd International Conference on Computers in Management and Business	conference	Instructor (taught)	24/3/2019	9/27/2019	32	



Bonding School - Part 1	course	Participant (received)	4/23/2019	4/26/2019	16	Polytechnic Higher School of the Coast
The 5th international conference on information management	conference	Instructor (taught)	24/3/2019	27/3/2019	32	
Workshop for editors and reviewers of scientific journals on science and technology published in open access format	Workshop	Participant (received)	11/14/2019	11/14/2019	5	Central University of Ecuador
LASERA 2018	conference	Participant(s)	10/22/2018	10/26/2018	32	LASERA
Qualitative research methods in the social sciences	course	Participant (received)	4/9/2017	8/9/2017	20	FIMCBOR
Computer forensics	course	Participant (received)	21/11/2011	6/12/2011	36	Higher School of Design and Visual Communication EDCOM ESPOL
English language studies - academic level	course	Participant(s)	21/2/2011	29/4/2011	80	Institute of continuing & tesol education, the University of Queensland
Network of Ibero-American university administrators	seminar	Participant (received)	11/10/2010	10/13/2010	24	Network of Ibero-American university administrators
REE LA Congress 2009	congress	Participant (received)	11/25/2009	11/27/2009	24	University of Development
Advanced program in internationalization to financial markets	others	Participant (received)	10/30/2009	10/30/2009	8	Georgetown University
Creativity as a work tool	course	Participant (received)	28/9/2009	2/10/2009	24	Polytechnic Higher School of the Coast
Developing creative thinking	course	Participant (received)	21/9/2009	25/9/2009	25	Polytechnic Higher



						School of the Coast
Aspects to consider in the new organic law on higher education	seminar	Participant (received)	27/5/2009	29/5/2009	30	GESECAL, Technical University of Esmeraldas
Declaration of assets	seminar	Participant (received)	19/2/2009	19/2/2009	3	Polytechnic Higher School of the Coast
National Congress of the National Federation of University and Polytechnic Professors of Ecuador (FENAPUPE)	congress	Participant (received)	8/1/2009	10/1/2009	15	National Federation of University and Polytechnic Professors of Ecuador
Theoretical perspectives and methodological guidelines for the creation of distance learning programs	seminar	Participant (received)	16/5/2008	18/5/2008	20	ESPOL - CISE
Mandates 02 and 04	seminar	Participant (received)	4/4/2008	5/4/2008	12	Managerial approach
Declaration and payment of personal income tax and application of the new tax equity law to the public sector and individuals	seminar	Participant (received)	20/2/2008	22/2/2008	10	Technology Transfer Center
Computer manual development techniques	seminar	Instructor (taught)	12/12/2007	12/12/2007	10	
Espolciencia 2007, first place posters: methodology and teaching for early childhood education supported by technological tools. Poster mod	congress	presentation	11/14/2007	11/14/2007	8	
Roundtable on entrepreneurship education in Latin America	seminar	Participant (received)	10/30/2007	1/11/2007	10	Stanford Technology Venture Programs
Standards for creating information systems manuals	seminar	Instructor (taught)	25/9/2007	25/9/2007	10	



The importance of quality assurance and accreditation on the path to excellence: the experience of the University of Puerto Rico Mayaguez	seminar	Participant (received)	14/9/2007	14/9/2007	8	Polytechnic Higher School of the Coast
Sidweb learning environment	workshop	Participant (received)	14/9/2007	14/9/2007	10	Polytechnic Higher School of the Coast
Evaluating results of engineering programs	seminar	Participant (received)	13/9/2007	13/9/2007	8	Polytechnic Higher School of the Coast
Computer science & information technology symposium	symposium	Participant (received)	June 28, 2007	June 28, 2007	8	Computer science & information technology symposium
Start course, phase II, cycle I of the C3 program	seminar	attendance	23/4/2007	4/5/2007	48	
Computer systems documentation technique	seminar	Instructor (taught)	19/4/2007	19/4/2007	10	
University strategic direction	seminar	Participant (received)	8/12/2006	12/13/2006	25	Polytechnic Higher School of the Coast
C3 start - participatory training techniques	seminar	Participant (received)	2/12/2006	6/12/2006	28	CORPEI, GFA consulting group (Germany)
II National Congress on Research, Technology and Innovation & Espoliencia 2006 Conference	congress	attendance	11/14/2006	11/15/2006	16	
REE Latin America	congress	Participant (received)	8/11/2006	10/11/2006	24	ESPOL - Entrepreneurship Development Center
Training of multipliers in entrepreneurship	day	Participant (received)	23/10/2006	10/27/2006	50	Ecuadorian system of support for the training of entrepreneurs



Research methodology and development methodology	seminar	Participant (received)	19/9/2006	22/9/2006	32	Polytechnic Higher School of the Coast
Statistical analysis of the patterns observed in teacher evaluation at ESPOL	workshop	Participant (received)	30/8/2006	30/8/2006	8	Center for research and educational services
Training for thesis or undergraduate project tutors	workshop	Participant (received)	5/7/2006	7/7/2006	12	Center for research and educational services
Introduction to ISO 9001:2000	workshop	Participant (received)	June 22, 2006	June 22, 2006	4	Polytechnic Higher School of the Coast
VI Congress	congress	Participant (received)	5/6/2006	5/6/2006	8	Inter-American Business Federation
Leadership: charting the route to global leadership	seminar	Participant (received)	12/10/2005	12/10/2005	42	West Virginia University
Training workshop on information and communication technology (ICT) policies	workshop	Participant (received)	8/8/2005	9/8/2005	16	Infodesarrollo, APC
Workshop to discuss technical specifications for websites	workshop	Participant (received)	June 14, 2005	June 15, 2005	16	CONATEL
Effective negotiation	course	Participant (received)	11/10/2004	10/19/2004	60	Polytechnic Higher School of the Coast - CELEX
Teacher evaluation at ESPOL	seminar	Participant (received)	July 15, 2004	July 16, 2004	10	Polytechnic Higher School of the Coast - APESPOL-CISE
Problem-based learning	seminar	Participant (received)	3/10/2003	4/10/2003	16	Polytechnic Higher School of the Coast
Environmental economics and sustainable development	course	Participant (received)	3/3/2003	11/7/2003	12	University of the Andes - Faculty of Economics



Resource allocation and economic and social evaluation of projects for university professors	course	Participant (received)	3/6/2003	11/7/2003	135	University of the Andes - Faculty of Economics
Project preparation and formulation	course	Participant (received)	3/6/2003	11/7/2003	21	University of the Andes - Faculty of Economics
Financial evaluation	course	Participant ( receive bids )	3/6/2003	11/7/2003	21	University of the Andes - Faculty of Economics
Welfare economics	course	Participant (received)	3/6/2003	11/7/2003	28	University of the Andes - Faculty of Economics
Economic evaluation	course	Participant (received)	3/6/2003	11/7/2003	46	University of the Andes - Faculty of Economics
Valuation of non-marketable assets	course	Participant (received)	3/6/2003	11/7/2003	28	University of the Andes - Faculty of Economics
Negotiation	course	Participant (received)	3/6/2003	11/7/2003	8	University of the Andes - Faculty of Economics
Risks and uncertainty	course	Participant (received)	3/6/2003	11/7/2003	8	University of the Andes - Faculty of Economics
Effective Teaching Workshop	workshop	Participant (received)	23/5/2003	23/5/2003	8	Polytechnic School of the Coast - ESPAE
Internet application development	course	Participant (received)	1/4/2003	5/4/2003	32	Polytechnic Higher School of the Coast - PROTCOM
Preventive and corrective maintenance of microcomputers	course	Participant (received)	1/4/2003	2/4/2003	16	Polytechnic Higher School of the Coast - PROTCOM
Object-oriented analysis and design	course	Participant (received)	1/3/2003	3/3/2003	12	Polytechnic Higher School of the Coast - PROTCOM
IV International Forum on the Internet	forum	Participant (received)	10/16/2002	10/17/2002	16	Polytechnic Higher



without Borders "The Age of Infinity"						School of the Coast
Espolciencia 2002 - computer museum	symposium	Presentation	27/9/2002	27/9/2002	8	
Marketing and development of multitudinous interactive educational children's CD-MIDI	conference	Presentation	27/9/2002	27/9/2002	8	
Bitworld 2002: commercialization and development interactive multimedia for children education	congress	Presentation	3/6/2002	5/6/2002	24	
Our challenges at the Institute of Technologies	workshop	Participant (received)	15/5/2002	15/5/2002	5	ESPOL
Our challenges at the Institute of Technologies	workshop	Participant (received)	15/5/2002	15/5/2002	5	Polytechnic Higher School of the Coast - INTEC
Advanced programming with sql and pl / sql tools	seminar	Participant (received)	1/5/2002	8/5/2002	40	Polytechnic Higher School of the Coast - PROTCOM
International marketing	course	Participant (received)	20/9/2001	23/9/2001	32	Graduate School of Business Administration
Business management	course	Participant (received)	23/8/2001	26/8/2001	32	Polytechnic School of the Coast - ESPAE
International project management, specialist studies in management i	course	Participant (received)	5/7/2001	8/7/2001	32	Graduate School of Business Administration
International studies	course	Participant (received)	5/7/2001	8/7/2001	32	Graduate School of Business Administration
Workshop to review the draft reform of the ESPOL statute	workshop	Participant (received)	6/6/2001	8/6/2001	20	Polytechnic Higher School of the Coast



commerce technology , specialized studies in management ii	course	Participant (received)	24/5/2001	27/5/2001	32	Graduate School of Business Administration
New modalities of university-productive sector relations: experiences in technology parks and business incubators	seminar	Participant (received)	17/5/2001	18/5/2001	16	Polytechnic Higher School of the Coast
Strategic integration	course	Participant (received)	26/4/2001	29/4/2001	32	Graduate School of Business Administration
Radical strategy	course	Participant (received)	26/4/2001	29/4/2001	32	Graduate School of Business Administration
Simulation for banks special studies Finance II .	course	Participant (received)	15/3/2001	18/3/2001	32	Graduate School of Business Administration
Structure of distance learning courses implemented with technology	seminar	Participant (received)	15/1/2001	19/1/2001	30	Virtual University of Monterrey Technological University
Innovation in education through the use of information technologies	workshop	Participant (received)	11/27/2000	11/28/2000	16	ESPOL - CTI
Research methodology	seminar	Participant (received)	July 26, 1999	July 29, 2000	100	Institute of Physical Sciences - ESPOL
Project management	seminar	Participant (received)	July 26, 1999	July 29, 2000	100	Institute of Physical Sciences - ESPOL
Institutional design	seminar	Participant (received)	July 26, 1999	June 29, 2000	100	Institute of Physical Sciences - ESPOL
Project design, management and evaluation	professional technical training	Participant (received)	23/9/1999	25/3/2000	304	Pontifical Catholic University of Ecuador, ESPOL



Economic analysis	seminar	Participant (received)	22/3/2000	25/3/2000	32	Pontifical Catholic University of Ecuador, ESPOL
Financial analysis	seminar	Participant (received)	8/3/2000	11/3/2000	32	Pontifical Catholic University of Ecuador, ESPOL
Advanced Negotiation Workshop	seminar	Participant (received)	24/2/2000	26/2/2000	24	Pontifical Catholic University of Ecuador, ESPOL
Training of project facilitators	seminar	Participant (received)	10/2/2000	12/2/2000	24	Pontifical Catholic University of Ecuador, ESPOL
Small projects and micro-enterprises	seminar	Participant (received)	27/1/2000	29/1/2000	24	Pontifical Catholic University of Ecuador, ESPOL
Basic negotiation workshop	seminar	Participant (received)	13/1/2000	15/1/2000	24	Pontifical Catholic University of Ecuador, ESPOL
Environmental analysis of projects	seminar	Participant (received)	December 27, 1999	December 29, 1999	24	Pontifical Catholic University of Ecuador, ESPOL
Project monitoring and evaluation	seminar	Participant (received)	December 17, 1999	12/18/1999	24	Pontifical Catholic University of Ecuador, ESPOL
Project management	seminar	Participant (received)	11/24/1999	November 27, 1999	32	Pontifical Catholic University of Ecuador, ESPOL
Gender analysis for projects	seminar	Participant (received)	12/11/1999	11/13/1999	16	Pontifical Catholic University of Ecuador, ESPOL
Institutional and organizational analysis	seminar	Participant (received)	10/13/1999	10/16/1999	32	Pontifical Catholic University of



						Ecuador, ESPOL
Logical framework for project design and conceptualization	seminar	Participant(s)	23/9/1999	25/9/1999	24	Pontifical Catholic University of Ecuador, ESPOL
Human resources culture	course	Participant (received)	July 23, 1998	July 26, 1998	32	Polytechnic School of the Coast - ESPAE
Process analysis and optimization	course	Participant (received)	11/6/1998	June 14, 1998	32	Polytechnic School of the Coast - ESPAE
Microcomputer support analyst	others	Participant (received)	10/7/1987	10/7/1987	8	Sheridan College
Total quality	course	Participant (received)	18/4/2006		32	Polytechnic School of the Coast - ESPAE
Operations research	course	Participant (received)	18/4/2006		32	Polytechnic School of the Coast - ESPAE
Statistical tools for quality improvement	course	Participant (received)	18/4/2006		32	Polytechnic School of the Coast - ESPAE
Member of the jury of the pre-selection contest Ecuador, winner	seminar	attendance	2/10/2006		12	



Forty-ninth anniversary of ESPOL	seminar	Instructor (taught)	12/9/2007		2	
Espolciencia 2007 - 2nd Place: Teaching Methodologies for Early Childhood Education Supported by the Use of Technological Tools - Presentation Mod	congress	presentation	11/26/2007		5	
Project construction: "research methodology"	workshop	Instructor (taught)	12/5/2017		4	
Workshop for editors and reviewers of scientific journals on science and technology published in open access format	workshop	Participant (received)	11/14/2019		5	Central University of Ecuador

### **PROJECT EXPERIENCE**

PROJECT NAME	INSTITUTION	FROM	UNTIL	COUNTRY
MIDI StoryPop . Evaluation and production of interactive stories with augmented reality to support regular and inclusive education.	ESPOL (FADCOM and FIEC), COPOL	03/25/2024	11/27/2026	Ecuador
Loly-MIDI II: A model for inclusive learning	ESPOL (CIDIS and FADCOM), GAD Quevedo	06/05/2024	10/31/2025	Ecuador



MIDI-MUSICAL: Usability evaluation and production of platforms and applications mobiles using gamification to teach musical initiation to children aged 2 to 3 and 4 to 7.	ESPOL (CIDIS/FADOM/FIEC), Vicente Rocafuerte Higher Technological Institute, Polytechnic Private Educational Unit (COPOL)	05/27/2022	05/27/2024	Ecuador
MIDI- Preschoolers : Use of technological tools as a pedagogical strategy to facilitate teaching and learning in comprehensive early childhood development centers	ESPOL (FADCOM/FCSH/CIDIS), Child Development Centers (MIES), Growing with Our Children (MIES), Vicente Rocafuerte Higher Technological Institute	June 17, 2021	December 31, 2023	Ecuador
Loly-Inclusive MIDI-Quevedo	Center for Research, Development, and Innovation in Computing Systems (CIDIS), Faculty of Art, Design, and Audiovisual Communication, Ecuadorian Federation of the Autistic Spectrum Disorder, Decentralized Autonomous Government (GAD), Municipality of Quevedo	6/01/2020	03/31/2023	Ecuador
Design and implementation of an intelligent robot capable of carrying out human-robot social interactions ( HRI ) in natural environments	Center for Research, Development and Innovation in Computing Systems (CIDIS), Faculty of Art, Design and Audiovisual Communication	1/07/2019	1/07/2021	Ecuador



MIDI-AM 2.0: Evaluation and production of educational games linked to control platforms for usability analysis and preference of content and graphic lines that impact the creation and use of MIDI-AM series as support for regular or inclusive education.	Center for Research, Development and Innovation in Computing Systems (CIDIS), Faculty of Art, Design and Audiovisual Communication, Faculty of Life Sciences, Faculty of Electrical and Computer Engineering (FIEC), Ecuadorian Federation of Autism Spectrum Syndrome (FEDEA), Orange Smile Foundation, Fermín Vera Rojas Educational Unit, Specialized Fiscal Educational Unit (JEFE) December 3, Sagrada Familia de Nazareth Educational Unit	31-05-2019	01/31/2022	Ecuador
Usability of MIDI-adapted playful games in mobile applications for millennial children (MIDI-am) - exploratory study focused on preschool and first grade children -	Information Technology Center - (CTI), Faculty of Art, Design and Audiovisual Communication, Faculty of Electrical and Computer Engineering - (FIEC), Ministry of Education	2/05/2018	05/31/2019	Ecuador
National polytechnic extension PROTCOM pilot plan Samborondón extension	ESPOL - EDCOM	04/19/2017		Ecuador
ISO 9002 quality system .	FUNASA	03/22/2017		Ecuador
Academic e-branding applied to higher education	Faculty of Art, Design and Audiovisual Communication, Polytechnic University of Valencia	7/03/2016	November 29, 2019	Spain
Creating scientific and technical texts in the ik tex system using winedt	CICYT	04/19/2015		Ecuador
Factors influencing successful information systems adoption in public organizations of Latin	Faculty of Art, Design and Audiovisual Communication, Griffith University	2/01/2013	December 31, 2016	Australia



America: The Case for Ecuador				
Direction of agreement, feasibility study and expert appraisal of current systems and proposed alternatives for the Ecuadorian Customs Corporation	ESPOL - EDCOM	04/19/2010		Ecuador
Teaching methodology for early childhood education supported by the use of interactive technological tools in poster format	ESPOL - EDCOM	11/14/2007		Ecuador
Teaching methodologies for early childhood education, supported by the use of interactive technological tools, in lecture format.	ESPOL - EDCOM	11/14/2007		Ecuador
II National Congress on Research, Technology and Innovation & Espolciencia Conference 2006	ESPOL - CICYT - SENACYT	11/14/2006	11/15/2006	Ecuador
Development and presentation of a prototype "interactive multimedia as a complementary tool for computing in schools"	EDCOM - CYCIT	1/03/2006	11/30/2006	Ecuador
Creation of a computer museum	ESPOL - EDCOM	1/01/2002		Ecuador
Seed project for interactive multimedia educational research and development - MIDI (qualified by the CYCIT research	EDCOM - CYCIT - ESPOL	1/11/2001	1/11/2003	Ecuador



council on 08/25/2004)				
Development and marketing of interactive educational multimedia for children	ESPOL - CYCIT - DICAMCORP	10/01/2001	December 31, 2001	Ecuador
Seed project for research and development of interactive multimedia teaching for basic early childhood education - MIDI (qualified by the CICYT/ESPOL research council)	Faculty of Art, Design and Audiovisual Communication, Aunt Lupita Kindergarten, Los Delfines Educational High School, NEC Educational Unit	10/01/2001	December 31, 2001	Ecuador

### **HONORABLE MENTIONS / AWARDS**

<b>PROJECT</b>	<b>INSTITUTION</b>	<b>DATE</b>	<b>COUNTRY</b>
Doctor Honoris Causa	Organization of the Americas for Educational Excellence	2024	Panama
Ambassador of Peace	Organization of the Americas for Educational Excellence	2023	Spain
Doctor Honoris Causa	International Organization for Inclusion and Quality Education OIICE	2021	Peru
Award for educational excellence	International Organization for Inclusion and Quality Education OIICE	2021	Peru
Order of educational and cultural merit Magnus Docentis	International Organization for Inclusion and Quality Education OIICE	2021	Peru
Social Robot Games to Support Inclusive Education for Autistic Children	ASEFIE: Recognition of Independent Research	2021	Ecuador
Social Robot Games to Support Inclusive Education for Autistic Children	Inter-American Development Bank - Play Challenge - Fourth place, awarded to the one with the greatest impact on inclusion challenges in education	2020	World



	- Award for the most creative solution People Choice Award ( Poular Vote )		
Projects supporting early childhood education through MIDI and MIDI-AM digital educational applications	UNESCO Nomination	2019	Japan
Best Presentation - Best Presentation Award	7th International Conference on Software and Information Engineering (ICSIE 2018)	2018	Egypt
Polytechnic Merit Award	ESPOL-FADCOM	2016	Ecuador
Academic Excellence	Griffith University	2013	Australia
Doctoral scholarship	SENESCYT	2006	Ecuador
Honor of Polytechnic Merit	ESPOL	2006	Ecuador
Diploma for best student in the Master of Business Administration (MBA)	UQAM - ESPOL	2005	Canada-Ecuador
Medal of Honor and Diploma for Best Student in the Master's Degree in Quality Systems Administration	ESPOL - University of Monterrey	2000	Ecuador- Mexico
Diploma of Honor for Teaching Merit	ESPOL	Various periods	Ecuador
Recognition of qualifications High distinction	Sheridan College	1987	Canada
Scholarship awarded by merit competition	World Bank International	1986	Canada
National Pavilion and best bachelor	Portoviejo National School	1981	Ecuador
Doctor Honoris Causa	International Organization for Inclusion and Quality Education OIICE	2021	Peru

**PUBLICATIONS / PRESENTATIONS / EXHIBITIONS AND CREATIVE WORK**

PUBLICATION	GUY	YEAR	TYPE OF PARTICIPATION
Design strategies in creating characters for educational children's video games: The MIDI-Musical Case	Scientific Article	2025	Author
Facial expression analysis in children with autism spectrum disorder using a refined Human-Robot-Game platform for active learning	Scientific Article	2024	Author
Design of a Technological Platform for Teaching Children's Musical Initiation Using Gamification	Scientific Article	2024	Author



Methodological development and teaching skills based on ICT to improve the level of education in marginal areas of Ecuador	Scientific Article	2024	Author
Evaluation of an intelligent educational toy-game prototype for toddlers' motor stimulation and learning	Scientific Article	2024	Author
FEASIBILITY OF USING SERIOUS MIDI-AM VIDEOGAMES AS RESOURCES IN EARLY CHILDHOOD EDUCATION	Scientific Article	2023	Author
Advanced metrics for assessing attention and emotions in autistic children from facial features using a human-robot gaming interface	Scientific Article	2023	Author
Feasibility of using serious MIDI-AM video games as resources in early childhood education	Scientific Article	2023	Author
Usability of educational video games as a teacher's tool in virtual reality – an evaluation model	Scientific Article	2022	Author
Serious children's games as support tools in virtual education for highly vulnerable marginalized areas	Scientific Article	2022	author
Evaluation of Digital Educational Games as a Teaching Support Tool in Virtual Academic Environment	Scientific Article and Conference (oral presentation)	2022	author
Technologies in Inclusive Education for Children with Autism Spectrum Disorder : Experiences of Use in Developing Economies	Conference ( oral presentation )	2022	author
Teaching mastery of ICT in education 4.0 for children's virtual environments	Conference ( oral presentation )	2022	author
MIDI-AM, Serious Children's Games as Virtual Educational Support Tools for Highly Vulnerable Marginal Areas	Scientific Article and Conference (oral presentation)	2022	author
Natural language to facilitate statistical evaluation analysis of educational digital games	Scientific article and conference (oral presentation)	2021	author



Usability of Educational Video Games as a Teacher's Tool in Virtuality - An Education Model	Scientific article and conference (oral presentation)	2021	author
Visual metrics for educational video games linked to social assistance robots in an inclusive education framework	Scientific article and conference (oral presentation)	2021	author
The usability of MIDI-AM video games in virtual learning as a digital pedagogical tool in emerging economies	Scientific Article and Conference (oral presentation)	2021	author
Refined metric interpretation in natural language for educational video games using fuzzy logic	Article Scientist	2021	author
Evaluations of software developed as research tools to analyze educational trends in video games	Article Scientist	2021	author
The Covid Pandemic and Migrants: A Ten-Point Agenda to Mitigate the Ongoing Disaster	Article Scientist	2021	author
Statistical representations of a dashboard for monitoring educational video games in natural language - MIDI Dashboard in LN	Scientific article and seminar-congress	2020	author
Responsive design and layout for websites about autism	Scientific Article	2020	author
Designing Usability Metrics and Behavior Analysis for a Human-Robot-Game Platform	Scientific Article and Conference (oral presentation)	2020	author
Impact of aesthetic aspects on indexed journals: a comparative case between science and engineering disciplines vs. art and visual communication	Seminar-congress	2019	author
Evolution of video games and their graphic line, an approach between aesthetics and technology	Scientific article	2019	author
Adoption of children's educational video games, monitored with cloud-based dashboards	Scientific article and seminar-congress	2019	author
Mobile applications for the development of basic skills	Article for dissemination	2019	author



in children in the first year of basic general education			
Monograph: "Digital production and audiovisual art"	Editorial article	2019	author
Development of a dashboard to monitor the usability of educational game applications for children	Scientific article and seminar-congress	2019	author
Applying QCA with fuzzy logic to generate a refined set of factors for information systems adoption: the case of the Ecuadorian public organization, an example of its adoption in emerging economies	scientific article	2019	author
Using Fuzzy Logic in QCA for Selecting Relevant Adoption Drivers in Emerging Economies - Conference	Scientific article and seminar-congress	2018	author
Effectiveness of using pluralistic methodologies in studies of adoption of information technologies and systems: Ecuadorian cases	Seminar-congress	2018	author
Understanding the subjective aspects of using human-computer interfaces for government information systems: a reflective analysis	Scientific article and seminar-congress	2017	author
Fuzzy QCA Applicability for a Refined Selection of Factors Affecting Adoption: The Case of Ecuador	Scientific article	2017	author
Evaluating theories and drivers of information systems adoption in government organizations using a systematic literature review process	Book	2017	author
Fuzzy QCA Applicability for a Refined Selection of Factors Affecting Adoption: The Case of Ecuador	Seminar-congress	2017	author
Factors influencing the successful adoption of information systems in public organizations in Latin America: the case of Ecuador	Doctoral thesis	2016	author



A pluralist methodology for a refined selection of drivers influencing the adoption of information systems in public organizations: the case of Ecuador	Scientific article	2016	author
Applicability of Fuzzy QCA for a Refined Selection of Factors Affecting Adoption: The Case of Ecuador." Article and lecture. 3rd Latin American Congress on Computational Intelligence	Scientific article	2016	author
Book chapter: Theories and drivers of information systems adoption: Analyzing their applicability in local government organizations. The case of Ecuador. Book chapter.	Book chapter	2016	co-author
The SISA model proposed for LAT contexts	Rehearsal	2016	author
A pluralist methodology for a refined selection of drivers influencing the adoption of information systems in public organizations: the case of Ecuador	Scientific article and seminar-congress	2016	author
Effectiveness of the use of pluralist methodology in the information system	Scientific article	2014	author
Effectiveness of using pluralist methodology in the position paper of information systems adoption studies: it is a qualitative-quantitative method	Scientific article	2014	author
Effectiveness of using pluralist methodology in information systems adoption studies	Seminar-congress	2014	author
The new higher education law (LOES)	Opinion article	2011	author
Women leaders	Opinion article	2010	author
Mind maps applied to entrepreneurship education	Seminar-congress	2009	author
Developing mind maps	Seminar-congress	2009	author
Teaching methodologies for early childhood education supported by the use of interactive technological tools	Seminar-congress	2007	author



Interactive multimedia as a complementary tool for computing in schools	Seminar-congress	2006	author
Multimedia for children (rated by the CYCIT research council)	Scientific article	2004	author
A new way of learning through play using technology (rated by the CYCIT research council)	Scientific article	2004	author
Research and Documentation Techniques for Information Systems - 1st Edition	Book	2003	author
Development interactive multimedia education for Children - teaching methodologies for early childhood education supported by the use of interactive technological tools	Seminar-congress	2002	author
Marketing and development of interactive educational multimedia for children	Seminar-congress	2002	author
CD-MIDI: marketing and development of interactive educational multimedia for children	Seminar-congress	2002	author
Marketing and development of interactive educational multimedia for children (CD-MIDI) (qualified by the CYCIT research council)	Article for dissemination	2002	author
Analysis, diagnosis, and overall design for the implementation of a quality system under ISO 9002 standards at FUNASA	Master's thesis	1999	author

