

## Escuela Superior Politécnica del Litoral

### RESUME

#### PERSONAL INFORMATION

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#### RESUME SUMMARY

Ph.D. in Sciences, Dr. Honoris causa and order of educational and cultural merit Magnus Docentis (OICEE), Ambassador of Peace of the Americas, and Honorary Doctor Award (ODAE). Her professionalization and academic training, in addition to her doctoral studies, graduated with high distinction, including a specialization in a high research program at an international level, two master's degrees such as MBA and in Quality Systems Administration Management, a diploma in International Project Management, in addition to international certifications as a Facilitator in Entrepreneurship and Technological Innovation, Technological Project Management and recent studies in Diplomacy and International Relations in Switzerland.

Their research projects have been nominated for international recognitions recognized by UNESCO, the QUALISI Social Innovation group of the University of Gent – Belgium, the Play 2020 Challenge organized by the Inter-American Development Bank IDB, winners of the independent research recognition contest educational of the Ecuadorian Association for the Promotion of Educational Research, as well as obtaining funds for research projects to support early childhood education.

#### EDUCATION

DEGREE	LEVEL	INSTITUTION	FIELD OF STUDY	COUNTRY
Ph.D. Doctorate in Philosophy (Adoption of Information Technologies and Systems)	Fourth level	Griffith University	Technology of the information and communication	Australia
High Research Diploma	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 in Business Administration MBA	Fourth level	ESPOL - Université du Québec á Montréal	Social sciences, business education and law	Canada
Master in Quality Systems Administration	Fourth level	ESPOL in agreement with the University of Monterrey	Technology of the information and communication	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
Specialized international diploma certifications	Fourth level	- UQ University, - OxfordUniversity, Geneve School of Diplomacy - GSD	- English - ICT Management Diplomacy and International Relations	- Australia -England -Swiss

### **ACADEMIC EXPERIENCE**

INSTITUTION	EXPERIENCE	START DATE	END DATE	EMPLOYMENT TYPE
ESPOL	Dean of the Faculty of Art, Design and Audiovisual Communication	11/13/2022	Present	Full time
ESPOL	Senior Lecturer	05/19/1986	Present	Full time
ESPOL	Teacher and Researcher: • Director of Research Projects (Education-Art-Technology line) Director of RTE and NAWI Scientific Magazines	2017	Present	Full time
Griffith University	Guest Professor	12/01/2014	09/30/2016	Full time
ESPOL	Thesis director and member of the evaluation panel. ESPAE Postgraduate Students	2008	2011	Occasional
Holy Spirit University (UESS)	Guest thesis director. Postgraduate Students	2010	2012	Occasional
Holy Spirit University (UESS )	Teacher Guest level postgraduate	2009	2010	Occasional

Machala University	Guest Professor at postgraduate level	2009	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: Projects "Children's Didactic Interactive Multimedia (MIDI).	2001	2010	Full time
ESPOL	Director of Multimedia Research and Development Laboratory	2001	2002	Full time
ESPOL	Director of Multimedia Research and Development Laboratory	2006	2008	Full time

### **RELATED PROFESSIONAL EXPERIENCE**

LOCATION	POSITION	AREA	START DATE	END DATE
ESPOL	Editorial General Director ESPOL Technology Magazine - RTE Indexed multidisciplinary scientific journal	Research Dean	10/30/2019	Present
ESPOL	Executive Director Indexed Research Magazine "NAWI: 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	2017	2017

	Audiovisual Digital Postproduction.			
Griffith University	Elected Vice President of the Graduate Student Association	students Association	2015	2016
Griffith University	Elected representative of International students of the Graduate Student Association	students 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 international and national scientific journals, international conference publications, book chapters and doctoral theses	Research area	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-	Faculty of art, design, and communication	2003	2005

	PROTCOM (current FADCOM)			
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, Armed Forces, Municipality of Samborondón, among others	Director of several technical projects related to the development of Information Systems; Systems Audits and Systems Reengineering	Public and private sector	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 Development and Support Company	President	Management	1996	2001
Financial corporations and public institutions such as CFN	Information Systems Advisor	Public and private sector	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	TYPE	INVOLVEMENT	START DATE	END DATE	TIME SPAN	CERTIFIED BY:
i-art Research applied to art and design	Course	Participant (received)	07/31/2023	08/03/2023	12	FADCOM (ESPOL)

In House Tech	Congress	Participant (received)	06/27/2023	06/27/2023	9	ESPOL
Master Class : Video Game Development with Unreal Engine	Workshop	Participant (received)	06/13/2023	06/13/2023	2	FADCOM (ESPOL)
The science that is told is the science that counts	Workshop	Participant (received)	05/08/2023	05/12/2023	40	Embassy of Spain, ESPOL Divulga and The Conversation
Operator of the National Public Procurement System - Fundamentals of Public Procurement	Certification	Participant (received)	01/07/2023	01/07/2023	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)	07/18/2022	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)	1/27/2020	1/31/2020	20	ACM
Development of teamwork skills	Workshop	Competitor (received)	12/12/2019	12/13/2019	6	Entrepreneurs hip Center of the Littoral Polytechnic Higher School
the 2nd international conference on computers on computers in management and business	Conference	Instructor (taught)	3/24/2019	9/27/2019	32	
Bonding School- Part 1	Course	Participant (received)	4/23/2019	4/26/2019	16	Littoral Polytechnic Higher School
The 5th international conference on information management	Conference	Instructor (taught)	3/24/2019	3/27/2019	32	

Workshop for editors and reviewers of scientific journals on science and technology published in open format	Workshop	Participant (received)	11/14/2019	11/14/2019	5	Central University of Ecuador
LASERA 2018	Conference	Participant(received)	10/22/2018	10/26/2018	32	LASERA
Qualitative research methods in the social sciences	Course	Competitor (received)	4/9/2017	8/9/2017	20	FIMCBOR
Computer forensics	Course	Competitor (received)	11/21/2011	12/6/2011	36	EDCOM ESPOL Higher School of Design and Visual Communication
English language studies - academic level	Course	Participant(received)	2/21/2011	4/29/2011	80	Institute of continuing & tesol education the University of Queensland
Network of Ibero-American university administrators	Seminar	Competitor (received)	10/11/2010	10/13/2010	24	Network of Ibero-American university administrators
REE LA Congress 2009	Congress	Competitor (received)	11/25/2009	11/27/2009	24	Development University
Advanced program in internationalization to financial markets	Others	Competitor (received)	10/30/2009	10/30/2009	8	Georgetown university
Creativity as a work tool	Course	Competitor (received)	9/28/2009	10/2/2009	24	Littoral Polytechnic Higher School
Developing creative thinking	Course	Competitor (received)	9/21/2009	9/25/2009	25	Littoral Polytechnic Higher School
Aspects to consider in the new organic law of higher education	Seminar	Competitor (received)	5/27/2009	5/29/2009	30	GESECAL, technical university of esmeraldas
Patrimonial declaration	Seminar	Competitor (received)	2/19/2009	2/19/2009	3	Littoral Polytechnic Higher School
National Congress of the National Federation of University and Polytechnic Professors of Ecuador FENAPUPE	Congress	Competitor (received)	8/1/2009	1/10/2009	15	National Federation of University and Polytechnic Professors of Ecuador

Theoretical perspectives and methodological guidelines for the creation of distance educational programs	Seminar	Competitor (received)	5/16/2008	5/18/2008	20	ESPOL - CISE
Mandates 02 and 04	Seminar	Competitor (received)	4/4/2008	5/4/2008	12	Management approach
Declaration and payment of income tax for natural persons and application of the new tax equity law to the public sector and natural persons	Seminar	Competitor (received)	2/20/2008	2/22/2008	10	Technology transfer center
Techniques for developing computer manuals	Seminar	Instructor (taught)	12/12/2007	12/12/2007	10	
Espolciencia 2007, first place posters: methodology and teaching for early childhood education supported by the use of technological tools. mod poster	Congress	presentation	11/14/2007	11/14/2007	8	
Roundtable on entrepreneurship education in latin America	Seminar	Competitor (received)	10/30/2007	1/11/2007	10	Stanford technology venture programs
Standards in the creation of information systems manuals	Seminar	Instructor (taught)	9/25/2007	9/25/2007	10	
The importance of quality assurance and accreditation on the path to excellence: the experience of the University of Puerto Rico Mayaguez	Seminar	Competitor (received)	9/14/2007	9/14/2007	8	Littoral Polytechnic Higher School
Sidweb learning environment	Workshop	Competitor ( received )	9/14/2007	9/14/2007	10	Littoral Polytechnic Higher School
Evaluating results of engineering programs	Seminar	Competitor (received)	9/13/2007	9/13/2007	8	Littoral Polytechnic Higher School
Computer science & information technology symposium	Symposium	Competitor (received)	6/28/2007	6/28/2007	8	Computer science & information technology symposium
Start course , phase ii , cycle i of the c3 program	Seminar	attendance	4/23/2007	4/5/2007	48	
Computer systems documentation technique	Seminar	Instructor (taught)	4/19/2007	4/19/2007	10	



University strategic direction	Seminar	Competitor (received)	12/8/2006	12/13/2006	25	Littoral Polytechnic Higher School
C3 start - participatory training techniques	Seminar	Competitor (received)	12/2/2006	12/6/2006	28	CORPEI, GFA counsultin g 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	Competitor (received)	11/8/2006	10/11/2006	24	ESPOL - Entrepreneur Development Center
Formation of multipliers in entrepreneurship	Working day	Competitor (received)	10/23/2006	10/27/2006	fifty	Ecuadorian system to support the training of entrepreneurs
Research methodology and development methodology	Seminar	Competitor (received)	9/19/2006	9/22/2006	32	Littoral Polytechnic Higher School
Statistical analysis of the patterns observed in teaching evaluation at ESPOL	Workshop	Competitor (received)	8/30/2006	8/30/2006	8	Research and educational services center
Training for thesis or undergraduate project tutors	workshop	Competitor (received)	5/7/2006	7/7/2006	12	Research and educational services center
Introduction to the ISO 9001:2000 standard	Workshop	Competitor (received)	6/22/2006	6/22/2006	4	Littoral Polytechnic Higher School
VI congress fie	Congress	Competitor (received)	5/6/2006	5/6/2006	8	Inter-American Business Federation
Leadership: charting the route to global leadership	Seminar	Competitor (received)	10/12/2005	10/12/2005	42	West Virginia University
Training workshop on information and communication technology (ICT) policies	Workshop	Competitor (received)	8/8/2005	9/8/2005	16	Infodevelopm ent , apc
Technical specifications discussion workshop for websites	Workshop	Competitor (received)	6/14/2005	6/15/2005	16	CONATEL
Effective negotiation	Course	Competitor (received)	10/11/2004	10/19/2004	60	Littoral Polytechnic Higher School - CELEX
Teaching evaluation at ESPOL	Seminar	Competitor (received)	7/15/2004	7/16/2004	10	Higher Polytechnic School of the

						Coast - APESPOL-CISE
Problem-based learning	Seminar	Competitor (received)	10/3/2003	10/4/2003	16	Littoral Polytechnic Higher School
Environmental economics and sustainable development	Course	Competitor (received)	3/3/2003	7/11/2003	12	Universidad de los Andes - Faculty of Economics
Allocation of resources and economic and social evaluation of projects for university professors	Course	Competitor (received)	3/6/2003	7/11/2003	135	Universidad de los Andes - Faculty of Economics
Project preparation and formulation	Course	Competitor (received)	3/6/2003	7/11/2003	twenty-one	Universidad de los Andes - Faculty of Economics
Financial evaluation	Course	Competitor ( receive bids )	3/6/2003	7/11/2003	twenty-one	Universidad de los Andes - Faculty of Economics
Wellbeing economics	Course	Competitor (received)	3/6/2003	7/11/2003	28	Universidad de los Andes - Faculty of Economics
Economic evaluation	Course	Competitor (received)	3/6/2003	7/11/2003	46	Universidad de los Andes - Faculty of Economics
Valuation of non-marketable assets	Course	Competitor (received)	3/6/2003	7/11/2003	28	Universidad de los Andes - Faculty of Economics
Negotiation	Course	Competitor (received)	3/6/2003	7/11/2003	8	Universidad de los Andes - Faculty of Economics
Risks and uncertainty	Course	Competitor (received)	3/6/2003	7/11/2003	8	Universidad de los Andes - Faculty of Economics
Effective teaching workshop	Workshop	Competitor (received)	5/23/2003	5/23/2003	8	Higher Polytechnic School of the Coast - ESPAE
Internet application development	Course	Competitor (received)	1/4/2003	5/4/2003	32	Littoral Polytechnic Higher School - PROTCOM
Preventive and corrective maintenance of micro - computer as	Course	Competitor (received)	1/4/2003	4/2/2003	16	Littoral Polytechnic Higher School - PROTCOM

Object-oriented analysis and design	Course	Competitor (received)	1/3/2003	3/3/2003	12	Littoral Polytechnic Higher School - PROTCOM
IV international forum internet without borders "the age of infinity"	Forum	Competitor (received)	10/16/2002	10/17/2002	16	Littoral Polytechnic Higher School
Espolciencia 2002 - computer museum	Symposium	Presentation	9/27/2002	9/27/2002	8	
Marketing and development of interactive children's teaching CD-MIDI	Conference	Presentation	9/27/2002	9/27/2002	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	Competitor (received)	5/15/2002	5/15/2002	5	ESPOL
Our challenges at the institute of technologies	Workshop	Competitor (received)	5/15/2002	5/15/2002	5	Higher Polytechnic School of the Coast - INTEC
Advanced programming with s sql and pl / sql tool	Seminar	Competitor (received)	5/1/2002	5/8/2002	40	Littoral Polytechnic Higher School - PROTCOM
International marketing	Course	Competitor (received)	9/20/2001	9/23/2001	32	Graduate School of Business Administration
Business management	Course	Competitor (received)	8/23/2001	8/26/2001	32	Higher Polytechnic School of the Coast - ESPAE
International project management, special studies in management and	Course	Competitor (received)	7/5/2001	7/8/2001	32	Graduate School of Business Administration
International Studies	Course	Competitor (received)	7/5/2001	7/8/2001	32	Graduate School of Business Administration
Review workshop of the draft reform of the ESPOL statute	Workshop	Competitor (received)	6/6/2001	6/8/2001	twenty	Littoral Polytechnic Higher School
Technology e-commerce special studies in management ii	Course	Participant (received)	5/24/2001	5/27/2001	32	Graduate School of Business Administration

New modalities of university relationship productive sector: experiences in technology parks and business incubators	Seminar	Competitor (received)	5/17/2001	5/18/2001	16	Littoral Polytechnic Higher School
Strategic integration	Course	Competitor (received)	4/26/2001	4/29/2001	32	Graduate School of Business Administration
Radical strategy	Course	Participant (received)	4/26/2001	4/29/2001	32	Graduate School of Business Administration
Simulation for special study banks. Finance ii .	Course	Competitor (received)	3/15/2001	3/18/2001	32	Graduate School of Business Administration
Structure of distance courses implemented with technology	Seminar	Competitor (received)	1/15/2001	1/19/2001	30	Virtual Technological University of Monterrey
Innovation in education with the use of information technologies	Workshop	Competitor (received)	11/27/2000	11/28/2000	16	ESPOL - CTI
Investigation methodology	Seminar	Participant (received)	7/26/1999	7/29/2000	100	Institute of physical sciences- ESPOL
Project management	Seminar	Participant (received)	7/26/1999	7/29/2000	100	Institute of physical sciences- ESPOL
Institutional design	Seminar	Participant (received)	7/26/1999	6/29/2000	100	Institute of physical sciences- ESPOL
Project design, administration and evaluation	Professional technical training	Competitor (received)	9/23/1999	3/25/2000	304	Pontifical Catholic University of Ecuador, ESPOL
Economic analysis	Seminar	Competitor (received)	3/22/2000	3/25/2000	32	Pontifical Catholic University of Ecuador, ESPOL
Financial analysis	Seminar	Competitor (received)	8/3/2000	3/11/2000	32	Pontifical Catholic University of Ecuador, ESPOL
Advanced negotiation workshop	Seminar	Competitor (received)	2/24/2000	2/26/2000	24	Pontifical Catholic University of Ecuador, ESPOL

Training of facilitators for projects	Seminar	Competitor (received)	10/2/2000	2/12/2000	24	Pontifical Catholic University of Ecuador, ESPOL
Small projects and microenterprises	Seminar	Competitor (received)	1/27/2000	1/29/2000	24	Pontifical Catholic University of Ecuador, ESPOL
Basic negotiation workshop	Seminar	Competitor (received)	1/13/2000	1/15/2000	24	Pontifical Catholic University of Ecuador, ESPOL
Environmental analysis of projects	Seminar	Competitor (received)	12/27/1999	12/29/1999	24	Pontifical Catholic University of Ecuador, ESPOL
Project monitoring and evaluation	Seminar	Competitor (received)	12/17/1999	12/18/1999	24	Pontifical Catholic University of Ecuador, ESPOL
Project management	Seminar	Competitor (received)	11/24/1999	11/27/1999	32	Pontifical Catholic University of Ecuador, ESPOL
Gender analysis for projects	Seminar	Participant (received)	11/12/1999	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 the design and conceptualization of projects	Seminar	Participant (received)	9/23/1999	9/25/1999	24	Pontifical Catholic University of Ecuador, ESPOL
HR Culture	Course	Participant (received)	7/23/1998	7/26/1998	32	Higher Polytechnic School of the Coast - ESPAE
Analysis and optimization of processes	Course	Participant (received)	6/11/1998	6/14/1998	32	Higher Polytechnic School of the Coast - ESPAE

Microcomputer support analyst	Others	Participant (received)	7/10/1987	7/10/1987	8	sheridan college
Total quality	Course	Competitor (received)	4/18/2006		32	Higher Polytechnic School of the Coast - ESPAE
Operations research	Course	Competitor (received)	4/18/2006		32	Higher Polytechnic School of the Coast - ESPAE
Statistical tools for quality improvement	course	Competitor (received)	4/18/2006		32	Higher Polytechnic School of the Coast - ESPAE
Jury member of pre-selection Ecuador contest winner	Seminar	attendance	10/2/2006		12	
Forty-ninth anniversary of ESPOL	Seminar	Instructor (taught)	9/12/2007		2	
Espolciencia 2007 - 2nd. place: teaching methodologies for early childhood education supported by the use of technological tools - mod presentation	Congress	presentation	11/26/2007		5	
Project construction: "research methodology"	Workshop	Instructor (taught)	5/12/2017		4	
Workshop for editors and reviewers of scientific journals on	Workshop	Participant (received)	11/14/2019		5	Central University of Ecuador

science and technology published in open format						
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## PROJECT EXPERIENCE

PROJECT TITLE	INSTITUTION	START DATE	END DATE	COUNTRY
MIDI-MUSICAL: Evaluation of usability and production of platforms and applications mobiles using gamification to teach musical initiation in children from 2 to 3 and 4 to 7 years old.	ESPOL (CIDIS/FADOM/FIEC), Vicente Rocafuerte Higher Technological Institute, Polytechnic Private Educational School (COPOL)	27/05/2022	27/05/2024	Ecuador
MIDI- Párulos : Use of technological tools as a pedagogical strategy to facilitate teaching-learning in comprehensive child development centers	ESPOL (FADCOM/FCSH/CIDIS), Child Development Centers (MIES), Growing with Our Children (MIES), Vicente Rocafuerte Higher Technological Institute	17/06/2021	31/12/2023	Ecuador
Loly -MIDI inclusive-Quevedo	Center for research, development and innovation of computer systems - (CIDIS), Faculty of art, design and audiovisual communication, Ecuadorian Federation of the Autism Spectrum, decentralized autonomous government (GAD) Municipality of Quevedo	6/01/2020	31/03/2023	Ecuador
Design and implementation of an intelligent robot with the ability to carry out human-robot social interactions ( HRI) in natural environments	Center for research, development and innovation of computer 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 analysis of usability 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 of 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), Smile Orange Foundation, Fermín Vera	31/05/2019	31/01/2022	Ecuador

	Rojas educational unit, specialized fiscal educational unit (UEFE) December 3, Sagrada Familia de Nazareth educational unit			
Usability of MIDI recreational games adapted into mobile applications for millennium children (MIDI-am) - exploratory study focused on pre- primary 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	31/05/2019	Ecuador
Polytechnic extension at national level PROTCOM pilot plan Samborondón extension	ESPOL - EDCOM	19/04/2017		Ecuador
ISO 9002 quality system .	FUNASA	22/03/2017		Ecuador
Academic e-branding applied to higher education	Faculty of Art, Design and Audiovisual Communication, Polytechnic University of Valencia	7/03/2016	29/11/2019	Spain
Creation of scientific and technical texts in the ,ik tex system using winedt	CICYT	19/04/2015		Ecuador
Factors influencing successful information systems adoption in public organizations of Latin america:the case for Ecuador	Faculty of art, design and audiovisual communication, Griffith university	2/01/2013	31/12/2016	Australia
Management of the agreement to study feasibility and expertise of the current systems and proposed alternatives for the Ecuadorian customs corporation	ESPOL - EDCOM	19/04/2010		Ecuador
Teaching methodology for early childhood education supported by the use of interactive technological tools in poster mode	ESPOL - EDCOM	14/11/2007		Ecuador
Teaching methodologies for early childhood education. supported by the use of interactive	ESPOL - EDCOM	14/11/2007		Ecuador



technological tools presentation modality				
II national congress of research, technology and innovation & espolciencia conferences 2006	ESPOL - CICYT - SENACYT	14/11/2006	15/11/2006	Ecuador
Development and presentation of prototype "interactive multimedia as a complementary tool for computing in schools"	EDCOM - CYCIT	1/03/2006	30/11/2006	Ecuador
Creation of computer museum	ESPOL - EDCOM	1/01/2002		Ecuador
Seed project for educational interactive multimedia research and development -MIDI (qualified CYCIT research council 08/25/2004)	EDCOM - CYCIT - ESPOL	1/11/2001	1/11/2003	Ecuador
Development and marketing of children's educational interactive multimedia	ESPOL - CYCIT - DICAMCORP	10/01/2001	31/12/2001	Ecuador
Seed project for educational interactive multimedia research and development for early childhood basic education - MIDI (qualified by the CICYT/ESPOL research council)	Faculty of art, design and audiovisual communication, Tía Lupita Kindergarten, Los Delfines Educational High School, NEC educational unit	10/01/2001	31/12/2001	Ecuador

## HONORS AND AWARDS

PROJECT TITLE	INSTITUTION	DATE	COUNTRY
Doctor Honoris Causa	Organization of the Americas for Educational Excellence	2024	Panama
Peace ambassador	Organization of the Americas for Educational Excellence	2023	Spain
Doctor Honoris Causa	International Organization for Inclusion and Educational Quality OIICE	2021	Peru
Award for educational excellence	International Organization for Inclusion and Educational Quality OIICE	2021	Peru
Order of educational and cultural merit Magnus Docentis	International Organization for Inclusion and Educational Quality OIICE	2021	Peru

Social Robot Games to support inclusive education, Autistic children	ASEFIE: Recognition of Independent Research	2021	Ecuador
Social Robot Games to support inclusive education, Autistic children	Inter-American Development Bank - Play Challenge - Fourth place, awarded to the one with the greatest impact on inclusion challenges in education - Award for the most creative solution People Choice Award ( Popular Vote )	2020	world
Projects to support early childhood education through MIDI and MIDI-AM educational digital applications	UNESCO nomination	2019	Japan
Best presentation - Best Presentation award	7th International Conference on Software and Information Engineering (ICSIE 2018)	2018	Egypt
Distinction for polytechnic merit	ESPOL-FADCOM	2016	Ecuador
Academic excellence	Griffith University	2013	Australia
Scholarship for doctoral studies	SENESCYT	2006	Ecuador
Honor of Polytechnic Merit	ESPOL	2006	Ecuador
Diploma of best student promotion in Master of Business Administration (MBA)	UQAM - ESPOL	2005	Canada-Ecuador
Medal of honor and diploma for best student Master 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 Collage	1987	Canada
Scholarship awarded by merit contest	World Bank International	1986	Canada
National Pavilion and best bachelor	Portoviejo National School	1981	Ecuador
Doctor Honoris Causa	International Organization for Inclusion and Educational Quality OIICE	2021	Peru

### **PUBLICATIONS / PRESENTATIONS / EXHIBITIONS AND CREATIVE WORKS**

TITLE	TYPE	YEAR	TYPE OF INVOLVEMENT
Advanced Metrics to Assess Autistic Children's	Scientific article	2023	Author

Attention and Emotions from Facial Features Using a Human-Robot Game Interface			
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 virtuality – an evaluation model	Scientific article	2022	Author
Serious children's games as support tools in educational virtuality for highly vulnerable marginal areas	Scientific article	2022	author
Evaluation of Educational Digital Games as a Teaching Support Tool in Academic Virtuality	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 Support Tools in Educational Virtuality for Highly Vulnerable Marginal Areas	Scientific Article and Conference (oral presentation)	2022	author
Natural language to facilitate statistical evaluation analysis of educational digital games	article and conference (oral presentation)	2021	author
Usability of Educational Video Games as a Teacher's Tool in Virtuality - An Education Model	article and conference (oral presentation)	2021	author
Visual metrics for educational video games linked to social assistance robots in an inclusive education framework	article and conference (oral presentation)	2021	author

The usability of MIDI-AM video games in virtual learning as a digital pedagogical tool in economies emerging	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
Covid Pandemic And Migrants: A Ten-Point Agenda To Mitigate The Ongoing Disaster	Article Scientist	2021	author
Statistical representations of a board to monitor educational video games in natural language - MIDI Board in LN	Scientific article and seminar-congress	2020	author
Structure and layout with adaptive design for websites about Autism	Scientific article	2020	author
Design of Usability Metrics and Behavior Analysis of a Human-Robot-Game Platform	Scientific Article and Conference (oral presentation)	2020	author
Impact of aesthetic aspects in indexed journals: comparative case between science and engineering disciplines vs. art and visual communication	Seminar-congress	2019	author
Evolution of video games and their graphic line, a focus between aesthetics and technology	Scientific article	2019	author
Adoption of children's educational video games, monitored with cloud dashboards	Scientific article and seminar-congress	2019	author
Mobile applications for the development of basic skills of children in the first year of basic general education	Broadcast article	2019	author
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 the adoption of information	scientific article	2019	author

systems: the case of the Ecuadorian public organization, an example of its adoption in emerging economies			
Use of fuzzy logic in QCA for the selection of relevant adoption drivers in emerging economies - conference	Scientific article and seminar-congress	2018	author
Effectiveness of use of pluralistic methodologies in studies of adoption of technologies and information systems: Ecuador cases	Seminar-congress	2018	author
Understanding subjective aspects in the use of human-computer interface for government information systems: a reflective analysis	Scientific article and seminar-congress	2017	author
Fuzzy QCA applicability for a refined selection of factors affecting its adoption: the case of Ecuador	Scientific article	2017	author
Evaluation of 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 its adoption: the case of Ecuador	Seminar-congress	2017	author
Factors that influence the successful adoption of information systems in public organizations in Latin America: the case of Ecuador	doctoral thesis	2016	author
A pluralistic methodology for a refined selection of drivers that influence the adoption of information systems in public organizations: the case of Ecuador	Scientific article	2016	author
Fuzzy QCA applicability for a refined selection of factors affecting adoption: the case of Ecuador. Article and conference. 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	Chapter of the book	2016	co-author

Organizations. the case of ecuador book chapter			
The proposed SISA model for LAT contexts	Rehearsal	2016	author
A pluralistic methodology for a refined selection of drivers that influence the adoption of information systems in public organizations: the case of Ecuador	Scientific article and seminar-congress	2016	author
Effectiveness of the use of pluralistic methodology in the information system	Scientific article	2014	author
Effectiveness of the use of pluralistic methodology in the position document of information systems adoption studies: it is a qualitative - quantitative method	Scientific article	2014	author
Effectiveness of using pluralistic 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 CYCIT research council)	Scientific article	2004	author
A new way of learning by playing using technology (rated by 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 children's educational interactive multimedia CD-MIDI (qualified by CYCIT research council)	Broadcast article	2002	author
Analysis, diagnosis and general design for the implementation of a quality system under ISO 9002 standards in FUNASA	Master thesis	1999	author