

CURRÍCULO INVESTIGADOR

1. DATOS DEL INVESTIGADOR

* VLADIMIR ESPARTACO ROBLES BYKBAEV	
Cédula	0300991817
Género	Masculino
Nacionalidad	Ecuatoriana
Email	vrobles@ups.edu.ec
Email institucional	vrobles@ups.edu.ec
Organización	UNIVERSIDAD POLITÉCNICA SALESIANA
Palabra primaria	Ingeniería
Palabra secundaria	Ingeniería Informática
Palabras específicas	EDUCACIÓN;TICS;IA

2. GRADOS ACADÉMICOS

* DOCTOR EN TECNOLOGIAS DE LA INFORMACION Y LAS COMUNICACIONES	
Universidad emisora	UNIVERSIDADE DE VIGO
* TECNOLOGO DE SISTEMAS	
Universidad emisora	UNIVERSIDAD POLITÉCNICA SALESIANA
* MASTER UNIVERSITARIO EN INTELIGENCIA ARTIFICIAL, RECONOCIMIENTO DE FORMAS E IMAGEN DIGITAL	
Universidad emisora	UNIVERSIDAD POLITÉCNICA DE VALENCIA
* INGENIERO DE SISTEMAS	
Universidad emisora	UNIVERSIDAD POLITÉCNICA SALESIANA

3. HISTORIAL LABORAL

* UNIVERSIDAD POLITÉCNICA SALESIANA	
Cargo	Docente/Coordinador de Investigación de Sede
Área	Ingeniería en Computación
En funciones	si

4. ARTÍCULOS PUBLICADOS

- * ***A LOW-COST WEARABLE SUPPORT SYSTEM FOR VISUALLY DISABLED PEOPLE***
 Revista Power, Electronics and Computing (ROPEC), 2016 IEEE International Autumn Meeting on
 Año 2017

- * ***BORDA-BASED VOTING SCHEMES FOR SEMANTIC ROLE LABELING***
 Revista Lecture Notes in Computer Science
 Año 2010

- * ***AN EDUCATIONAL APPROACH TO GENERATE NEW TOOLS FOR EDUCATION SUPPORT OF CHILDREN WITH DISABILITIES***
 Revista IEEE Xplore Digital Library
 Año 2011

- * ***WEB ACCESSIBILITY IN ECUADOR: A NEW APPROACH TO IMPLEMENT POLICIES AND CREATION OF THE FIRST WEB OBSERVATORY***
 Revista WIT Transactions on Information and Communication Technologies
 Año 2014

- * ***A PROPOSAL BASED ON COLOR DESCRIPTORS AND LOCAL BINARY PATTERNS HISTOGRAM AS SUPPORT TOOL IN PRESUMPTIVE DIAGNOSIS OF HIATUS HERNIA***
 Revista IEEE Xplore Digital Library
 Año 2014

- * ***SA3M: AN INTERACTIVE ROBOT TO PROVIDE SUPPORT FOR THE ELDERLY***
 Revista IEEE Xplore Digital Library
 Año 2014

- * ***AN INTELLIGENT ECOSYSTEM FOR PROVIDING SUPPORT IN PREHOSPITAL TRAUMA CARE IN CUENCA, ECUADOR***
 Revista Studies in Health Technology and Informatics - IOS Press
 Año 2015

- * ***AN INTELLIGENT ECOSYSTEM TO SUPPORT THE PSYCHOLOGICAL DIAGNOSIS AND INTERVENTION OF CHILDREN UNDER SOCIAL VULNERABILITY***
 Revista Proceedings of SPIE - The International Society for Optical Engineering
 Año 2015

- * ***ADACOF: AN EDUCATIONAL APPROACH BASED ON ICT DIGITAL LEARNING CODE JOINT PHONETIC CHILDREN WITH DISABILITIES***

- Revista Perfiles Educativos - Universidad Autónoma de México
 (UNAM)
 Año 2015
- * ***AN ECOSYSTEM OF INTELLIGENT ICT TOOLS FOR SPEECH-LANGUAGE THERAPY BASED ON A FORMAL KNOWLEDGE MODEL***
 Revista Studies in Health Technology and Informatics - IOS Press
 Año 2015
- * ***FUZZY CONTROLLER FOR AUTOMATIC MICROPHONE GAIN CONTROL IN AN AUTONOMOUS SUPPORT SYSTEM FOR ELDERLY***
 Revista IEEE Xplore Digital Library
 Año 2015
- * ***MODELLING DOMAIN KNOWLEDGE OF SPEECH AND LANGUAGE THERAPY WITH AN OWL ONTOLOGY AND OPENEHR ARCHETYPES***
 Revista Institute for Systems and Technologies of Information, Control
 and Communication (INSTICC)
 Año 2015
- * ***PREVENTING TRAUMA ACCIDENTS IN CHILDREN: AN ECOSYSTEM BASED ON INTERACTIVE LUDIC ACTIVITIES FOR MOBILE AND WEB-BASED ENVIRONMENTS***
 Revista Advances in Intelligent Systems and Computing
 Año 2018
- * ***AN INTELLIGENT ECOSYSTEM TO SUPPORT THE DEVELOPMENT OF COMMUNICATION SKILLS IN CHILDREN WITH AUTISM: AN EXPERIENCE BASED ON ONTOLOGIES, MULTI-SENSORY STIMULATION ROOMS, AND ROBOTIC ASSISTANTS***
 Revista Smart Technology Applications in Business Environments
 Año 2017
- * ***AN ONTOLOGY-BASED EXPERT SYSTEM TO GENERATE THERAPY PLANS FOR CHILDREN WITH DISABILITIES AND COMMUNICATION DISORDERS***
 Revista 2016 IEEE Ecuador Technical Chapters Meeting, ETCM 2016
 Año 2016
- * ***SPELTA-MINER: AN EXPERT SYSTEM BASED ON DATA MINING AND MULTILABEL CLASSIFICATION TO DESIGN THERAPY PLANS FOR COMMUNICATION DISORDERS***
 Revista International Conference on Control, Decision and Information
 Technologies, CoDIT 2016
 Año 2016
- * ***AN INTELLIGENT SYSTEM BASED ON ONTOLOGIES AND ICT TOOLS TO SUPPORT THE DIAGNOSIS AND INTERVENTION OF CHILDREN WITH AUTISM***
 Revista 2016 IEEE Biennial Congress of Argentina, ARGENCON 2016

Año 2016

* ***NEOPLAG: AN ECOSYSTEM TO SUPPORT THE DEVELOPMENT AND EVALUATION OF NEW ALGORITHMS TO DETECT PLAGIARISM***

Revista Proceedings - 2015 Asia-Pacific Conference on Computer-Aided System Engineering, APCASE 2015

Año 2015

* ***A MULTILAYER MOBILE ECOSYSTEM TO SUPPORT THE ASSESSMENT AND TREATMENT OF PATIENTS WITH COMMUNICATION DISORDERS***

Revista 7th International Conference on E-Health (EH, co-located with MCCSIS)

Año 2015

* ***INNOVATION IN THE TEACHING PRACTICE AT UNIVERSITY: SOME THOUGHTS AND IDEAS APPLIED IN CUENCA-ECUADOR***

Revista IEEE Xplore Digital Library

Año 2018

* ***AN INTELLIGENT EDUCATIVE ENVIRONMENT FOR DRUG ADMINISTRATION PRACTICE IN PREHOSPITAL TRAUMA CARE: A MULTIDISCIPLINARY EXPERIENCE BETWEEN THE ENGINEERING AND MEDICINE CAREERS***

Revista IEEE Xplore Digital Library

Año 2018

* ***A UNIVERSITY ADMINISTRATION SYSTEM TO AUTOMATICALLY ASSIGN COURSES TO TEACHERS AND SUPPORT THE DESIGN OF TIMETABLES THROUGH MATHEMATICAL MODELING AND RESTRICTIONS ANALYSIS***

Revista IEEE Xplore Digital Library

Año 2018

* ***A RECOMMENDER SYSTEM BASED ON DATA MINING TECHNIQUES TO SUPPORT THE AUTOMATIC ASSIGNMENT OF COURSES TO TEACHERS IN HIGHER EDUCATION***

Revista IEEE Xplore Digital Library

Año 2017

* ***VIRTUAL LEARNING ENVIRONMENT FOR CHILDREN WITH DISABILITIES: A PROPOSAL BASED ON MOODLE AND CONTENT MANAGEMENT WITH OVER THE TOP (OTT) TECHNOLOGY***

Revista IEEE Xplore Digital Library

Año 2018

* ***CONSENSUS SOCIALIZATION: A CONTRIBUTION TO THE ASSESSMENT METHOD CENTER BASED ON THE USE OF A SMARTPEN AND THE FAST FOURIER TRANSFORM***

Revista IEEE Xplore Digital Library

Año 2018

* ***AN INTERACTIVE ECOSYSTEM BASED ON BORDA VOTING SCHEMES AND SERIOUS GAMES TO SUPPORT THE DISCOVERY OF AGGRESSIVENESS AND INHIBITION TRAITS ON SCHOLAR CHILDREN***

Revista IEEE Xplore Digital Library
Año 2018

* ***DATA REPOSITORY OF MOBILE APPLICATIONS FOR PEOPLE WITH DISABILITIES IN THE AREA OF COMMUNICATION AND LANGUAGE USING DATA MINING TECHNIQUES***

Revista IEEE Xplore Digital Library
Año 2018

* ***ISLAND: AN INFORMATICS INTELLIGENT SYSTEM TO SUPPORT THE LANGUAGE DEVELOPMENT OF CHILDREN FROM 4 TO 5 YEARS***

Revista IEEE Xplore Digital Library
Año 2017

* ***YOCASTA: A LUDIC-INTERACTIVE SYSTEM TO SUPPORT THE DETECTION OF ANXIETY AND LACK OF CONCENTRATION IN CHILDREN WITH DISABILITIES***

Revista IEEE Xplore Digital Library
Año 2017

* ***HOW IS THE QUALITY OF LIFE OF PATIENTS WITH CEREBRAL PALSY IMPROVED? QUALITATIVE AND QUANTITATIVE EVALUATION OF A COMMUNICATION AND LEARNING ASSISTANCE SYSTEM BASED ON ICTS***

Revista Advances in Intelligent Systems and Computing
Año 2017

* ***ERGONOMIC ASSESSMENT AND ANALYSIS OF POSTURAL LOAD OF SURGEONS PERFORMING LAPAROSCOPIC SURGERIES IN CUENCA, ECUADOR***

Revista International Conference on Applied Human Factors and Ergonomics
Año 2017

* ***PREPROCESSING THE STRUCTURAL OPTIMIZATION OF THE SPELTRA ROBOTIC ASSISTANT BY NUMERICAL SIMULATION BASED ON FINITE ELEMENTS***

Revista International Conference on Applied Human Factors and Ergonomics
Año 2018

* ***A ROBOTIC ASSISTANT TO SUPPORT THE DEVELOPMENT OF COMMUNICATION SKILLS OF CHILDREN WITH DISABILITIES***

Revista IEEE Xplore Digital Library
Año 2016

- * ***ANTHROPOMETRIC EVALUATION AND OPERATION ROOM DESIGN ANALYSIS FOR LAPAROSCOPIC SURGERIES IN CUENCA, ECUADOR***
 Revista International Conference on Applied Human Factors and Ergonomics
 Año 2018

- * ***OPTIMAL DESIGN OF A ROBOTIC ASSISTANT BASED ON THE STRUCTURAL STUDY USING FINITE ELEMENTS***
 Revista International Conference on Human Systems Engineering and Design: Future Trends and Applications
 Año 2018

- * ***AN ACADEMIC SYSTEM BASED ON ONTOLOGICAL NETWORKS TO SUPPORT THE INFERENCE OF NEW KNOWLEDGE IN MICRO AND MACRO CURRICULUM IN HIGHER EDUCATION***
 Revista International Conference on Applied Human Factors and Ergonomics
 Año 2018

- * ***AN INTELLIGENT PEN TO ASSESS ANXIETY LEVELS THROUGH PRESSURE SENSORS AND FUZZY LOGIC***
 Revista International Conference on Applied Human Factors and Ergonomics
 Año 2017

- * ***DESIGN OF AN INTELLIGENT SYSTEM FOR PREDICTION AND SIMULATION OF WRITING IN CHILDREN WITH SPASTICITY***
 Revista International Conference on Applied Human Factors and Ergonomics
 Año 2017

- * ***A HYBRID APPROACH BASED ON MULTI-SENSORY STIMULATION ROOMS, ROBOTIC ASSISTANTS AND ONTOLOGIES TO PROVIDE SUPPORT IN THE INTERVENTION OF CHILDREN WITH AUTISM***
 Revista International Conference on Applied Human Factors and Ergonomics
 Año 2017

- * ***MATHEMATICAL MODELING AND ERGONOMIC STUDY OF A PENCIL THROUGH NUMERICAL SIMULATION FOR SUPPORT OF THE GRAPHOLOGICAL PRESUMPTIVE DIAGNOSIS***
 Revista International Conference on Applied Human Factors and Ergonomics
 Año 2017

- * ***AN INTELLIGENT SYSTEM TO AUTOMATICALLY GENERATE VIDEO-SUMMARIES FOR ACCESSIBLE LEARNING OBJECTS FOR PEOPLE WITH HEARING LOSS***

- Revista International Conference on Applied Human Factors and Ergonomics
Año 2017
- * ***ROBOTIC ASSISTANT FOR SUPPORT IN SPEECH THERAPY FOR CHILDREN WITH CEREBRAL PALSY***
Revista IEEE Xplore Digital Library
Año 2017
- * ***ONTO-SPELTRA: A ROBOTIC ASSISTANT BASED ON ONTOLOGIES AND AGGLOMERATIVE CLUSTERING TO SUPPORT SPEECH-LANGUAGE THERAPY FOR CHILDREN WITH DISABILITIES***
Revista Communications in Computer and Information Science
Año 2017
- * ***A HYBRID SYSTEM BASED ON ROBOTIC ASSISTANTS AND MOBILE APPLICATIONS TO SUPPORT IN SPEECH THERAPY FOR CHILDREN WITH DISABILITIES AND COMMUNICATION DISORDERS [UN SISTEMA HÍBRIDO BASADO EN ASISTENTES ROBÓTICOS Y APLICACIONES MÓVILES PARA BRINDAR SOPORTE EN LA TERAPIA DE LENGUAJE DE NIÑOS CON DISCAPACIDAD Y TRASTORNOS DE LA COMUNICACIÓN]***
Revista Campus Virtuales
Año 2017
- * ***CREAMINKA: AN INTELLIGENT ECOSYSTEM BASED ON ONTOLOGIES AND ARTIFICIAL INTELLIGENCE TO MANAGE RESEARCH PROCESSES, KNOWLEDGE GENERATION AND SCIENTIFIC PRODUCTION IN HIGHER EDUCATION***
Revista Communications in Computer and Information Science
Año 2017
- * ***INTELLIGENT NANO-WORLDS: A NEW ICT BASED TOOL FOR MENTAL HEALTH CARE OF CHILDREN LIVING UNDER SOCIAL VULNERABILITY***
Revista Advances in Intelligent Systems and Computing
Año 2016
- * ***AN EDUCATIVE ENVIRONMENT BASED ON ONTOLOGIES AND E-LEARNING FOR TRAINING ON DESIGN OF SPEECH-LANGUAGE THERAPY PLANS FOR CHILDREN WITH DISABILITIES AND COMMUNICATION DISORDERS***
Revista IEEE Xplore Digital Library
Año 2016
- * ***AN INTELLIGENT ECOSYSTEM TO SUPPORT PSYCHOLOGICAL EVALUATION AND INTERVENTION OF CHILDREN UNDER SOCIAL RISK: TOWARDS GRAPHICS DESIGN VALIDATION AND NEW FINDINGS***
Revista IEEE Xplore Digital Library
Año 2016

- * ***DIGITAL TRAINER FOR THE DEVELOPMENT OF THE FINE MOTOR ABILITY IN CHILDREN WITH CEREBRAL PALSY***
 Revista MATEC, Volume 67 (2016)
 Año 2016

- * ***A DIDACTIC TRANSMITTER TO SUPPORT THE COMMUNICATION AND LEARNING PROCESS OF CHILDREN WITH CEREBRAL PALSY***
 Revista MATEC Volume 42, 2016
 Año 2016

- * ***AN APPROACH BASED ON FOURIER DESCRIPTORS AND DECISION TREES TO PERFORM PRESUMPTIVE DIAGNOSIS OF ESOPHAGITIS FOR EDUCATIONAL PURPOSES***
 Revista IEEE Xplore Digital Library
 Año 2015

- * ***AN ECOSYSTEM BASED ON ONTOLOGIES AND ROBOTIC ASSISTANTS TO SUPPORT THE DEVELOPMENT OF SOCIAL COMMUNICATION SKILLS IN CHILDREN WITH AUTISM***
 Revista IADIS
 Año 2016

- * ***IESAMI: AN INTELLIGENT ENVIRONMENT TO SUPPORT THE ACADEMIC MONITORING AND INCLUSION OF STUDENTS WITH DISABILITIES IN UNIVERSITY***
 Revista Advances in Intelligent Systems and Computing
 Año 2016

- * ***SPELTA: AN EXPERT SYSTEM TO GENERATE THERAPY PLANS FOR SPEECH AND LANGUAGE DISORDERS***
 Revista Expert Systems with Applications Volume 42
 Año 2015

- * ***RAMSES : A ROBOTIC ASSISTANT AND A MOBILE SUPPORT ENVIRONMENT FOR SPEECH AND LANGUAGE THERAPY***
 Revista 5th International Conference on Innovative Computing Technology, INTECH 2015
 Año 2015

- * ***A NEW APPROACH BASED ON LOCAL BINARY PATTERNS HISTOGRAM AND FOURIER DESCRIPTORS AS A SUPPORT TOOL IN PRESUMPTIVE DIAGNOSIS OF GASTRITIS***
 Revista IFMBE Proceedings Volume 49
 Año 2014

- * ***A NEW APPROACH BASED ON LOCAL BINARY PATTERNS HISTOGRAM AND FOURIER DESCRIPTORS AS A SUPPORT TOOL IN PRESUMPTIVE DIAGNOSIS OF GASTRITIS***

Revista IFMBE Proceedings Volume 49
Año 2014

* ***SPELTRA: A ROBOTIC ASSISTANT FOR SPEECH-AND-LANGUAGE THERAPY***

Revista Lecture Notes in Computer Science Volume 9177, 2015
Año 2015

* ***DEVELOPMENT OF A SUPPORT SYSTEM FOR THE PRESUMPTIVE DIAGNOSIS OF GLAUCOMA THROUGH THE PROCESSING OF BIOMEDICAL IMAGES OF THE HUMAN EYE FUNDUS IN ECUADOR***

Revista Advances in Intelligent Systems and Computing, Volume 590,
2018
Año 2018

5. LIBROS PUBLICADOS

* ***TIC Y SISTEMAS INTELIGENTES COMO HERRAMIENTAS DE SOPORTE PARA EL MANEJO, EDUCACIÓN Y PREVENCIÓN DEL TRAUMA***

Año publicación 2017

* ***SMART TECHNOLOGY APPLICATIONS IN BUSINESS ENVIRONMENTS***

Año publicación 2017

* ***INCLUSIÓN, DISCAPACIDAD Y EDUCACIÓN: ENFOQUE PRÁCTICO DESDE LAS TECNOLOGÍAS EMERGENTES***

Año publicación 2017

6. TESIS

* ***TESIS MAESTRÍA***

Tipo de tesis Tesis Maestría

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* TESIS MAESTRÍA	
Tipo de tesis	Tesis Maestría

7. PREMIOS

* SOBRESALIENTE CUM LAUDE: MÁXIMO NIVEL DE RENDIMIENTO ACADÉMICO CON EL QUE SE HA OBTENIDO EL GRADO DE DOCTORADO.	
Tipo reconocimiento	Nacional
Área	Programa de Doctorado en Tecnologías de la Información y las Comunicaciones
Paí-s	España

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VLADIMIR ESPARTACO ROBLES BYKBAEV
INVESTIGADOR