

## CURRICULUM VITAE

**Name:** Antonio  
**Last names:** Salgado Castillo  
**Age:** 35.  
**ID:** 84032927864  
**Personal E-mail:** [asalgadocastillo@gmail.com](mailto:asalgadocastillo@gmail.com)  
**Official E-mail:** [asalgado@cenais.cu](mailto:asalgado@cenais.cu)  
**ORCID:** <https://orcid.org/0000-0003-3214-7587>  
**Scientific category:** Auxiliary Researcher.  
**Teaching category:** Assistant Professor  
**Phone number:** +53 52468092



### ACADEMIC FORMATION

- Bachelor degree in Computer Science. University of Oriente, Cuba (2003 – 2008).
- Master in Neurosciences. National Centre of Neurosciences of Cuba, (2009 – 2013).
- Doctor in Sciences (PhD). University of Oriente, Cuba (2012 – 2015).

### EXPERIENCE IN TEACHING

From 2008 to 2013 he taught undergraduate and postgraduate teaching at the University of Oriente, Cuba, as the principal professor of the subjects Artificial Intelligence, Simulation and Logic Programming. He has directed Course's Work, Degree Thesis, Scientific Practices and Master's Thesis. He has also served as a consultant for several doctoral theses. He currently serves as a professor in the Mastery in Virtualization University Processes at the University of Oriente and Mastery in Applied Computer Science at the University of Informatic Sciences. He was a guest member of the scientific council of the University of Medical Sciences of Santiago de Cuba and president of the publications commission of that institution. He has taught more than 15 postgraduate and training courses.

### SCIENTIFIC PUBLICATIONS IN INDEXED JOURNALS IN THE LAST 5 YEARS

#### YEAR 2019

- [1]. Palau, R., Porras, J.L., Chuy, T.J. y **Salgado A.** (2018). Cartographic estimation of earthquakes intensities occurred in the south eastern region of Cuba. Mapping: International Journal of Geomatics and Earth Sciences. Issue.196, Mayo-Junio, 2019.
- [2]. Moro, A.M., Dupotey, N.M. y **Salgado, A.** (2019). ICT as a didactic tool. A study at the University of Oriente. Revista Electrónica Formación y Calidad Educativa (REFCaE), Vol. VII, No. 2 de agosto 2019.

#### YEAR 2018

- [3]. Palau, R., Thanh, T. y **Salgado, A.** (2018). Automatic determination of the detection threshold of a seismological network. **REVISTA CUBANA DE CIENCIAS INFORMÁTICAS**. Vol.12, No. 3, julio – septiembre, 2018, pp. 78-92. ISSN: 2227-1899 | RNPS: 2301
- [4]. Gorina, A., Sierra, G., Alonso, I. y **Salgado, A.** (2018). Professionalization of university professors in the management of scientific communication for local development. **BATEY: REVISTA CUBANA DE ANTROPOLOGÍA SOCIOCULTURAL**, Vol. 11, No.11, pp. 134 – 155.
- [5]. Mayet, T., Torres, E. y **Salgado, A.** (2018). A communicative strategy to prevent contamination by the water resource. **OPUNTIA BRAVA**, Sello editorial 978-959-7225- publicado en el libro Ciencia e Innovación Tecnológica, Vol. II, en el capítulo Medioambiente. Coedición Acadèmica Universitaria – Opuntia
- [6]. Fergusson E.M., Gorina A., Alonso, I. y **Salgado, A.** (2018). Improving didactic procedures for research training of Computer Science students. **ATENAS** Vol. 4, No. 44, pp. 28-45, sep. 2018. ISSN 1682-274.

#### YEAR 2017

- [7]. Gorina, A., Alonso, I. y **Salgado, A.** (2017). Information and knowledge visualization in university training. An approach from pedagogy. **REVISTA CONRADO: REVISTA PEDAGÓGICA DE LA UNIVERSIDAD DE CIENFUEGOS**, 13 (59), 7-15.
- [8]. **Salgado, A.**, Alonso, I., Gorina, A. y Álvarez, T.R. (2017). Computational algorithmization: Limitations in problem solving skills in computational sciences majors at University of Oriente. **INTERNATIONAL JOURNAL OF EDUCATION AND DEVELOPMENT USING INFORMATION AND COMMUNICATION TECHNOLOGY (IJEDICT)**, Vol. 13, Issue 2, pp. 166-184.

#### **YEAR 2016**

- [9]. Blanco, A., **Salgado, A.** y Alonso, I. (2016). Abilities for the computational algorithmization in the Licentiate in Education: Specialty Education Labor – Informatics. **MAESTRO Y SOCIEDAD: REVISTA ELECTRÓNICA PARA MAESTROS Y PROFESORES**, Vol. 13, Número 1, Año 2016, pp.16 – 28.
- [10]. Alvarez, J., Alonso, I. y **Salgado, A.** (2016). Mathematical problem solving in Bachelor's degree in Mathematics-Physics Education. **REVISTA ELECTRÓNICA FORMACIÓN Y CALIDAD EDUCATIVA (REFCALE)**, Vol. 4, Año 2016, No. 1 (Enero-Abril), pp.67 – 82. Ecuador.
- [11]. Fergusson, E. M., Alonso, I. y **Salgado, A.** (2016). Didactic proposal to perfect the investigative formation in Bachelor of Computer Science. **REVISTA MAESTRO Y SOCIEDAD: REVISTA ELECTRÓNICA PARA MAESTROS Y PROFESORES**, Vol. 13, Número 2, Año 2016, pp.197 – 211.
- [12]. Mayet, T., Torres, E., **Salgado, A.** y Alonso, I. (2016). Education for risk perception of environmental pollution by water resources. Your situation in the municipality of Mella. **REVISTA MAESTRO Y SOCIEDAD: REVISTA ELECTRÓNICA PARA MAESTROS Y PROFESORES**: Vol. 13, Número 4, Año 2016, pp. 643-654.

#### **YEAR 2015**

- [13]. Fergusson, E. M., **Salgado, A.**, Alonso, I. y Gorina, A. (2015). Epistemological considerations about the investigative formation in Bachelor of Computer Science. **REVISTA ÓRBITA PEDAGÓGICA**, Año 2015, Vol. 2, No. 2 (Mayo – Agosto), pp.45 – 68.
- [14]. Fergusson, E. M., Alonso, I., **Salgado, A.** y Gorina, A. (2015). Dynamics of the investigative formation process in the career of Bachelor's degree in Computing Sciences. **REVISTA DIDASC@LIA: DIDÁCTICA Y EDUCACIÓN**, Vol. 6, Número 6 (Especial), Año 2015, Diciembre, pp.87 – 102.
- [15]. **Salgado, A.**, Alonso, I. y Gorina, A. (2015). A didactic proposal to perfect the computational algorithmization. **REVISTA DIDASC@LIA: DIDÁCTICA Y EDUCACIÓN**, Vol. VI. Año 2015. Número 4 (Octubre-Diciembre), pp.149 – 170.

#### **YEAR 2014**

- [16]. **Salgado, A.**, Alonso, I. y Gorina, A. (2014). Exemplification of the solution algorithmic of problems of programming computacional. **REVISTA DIDASC@LIA: DIDÁCTICA Y EDUCACIÓN**. Vol. 5, No. 4. Año 2014, Octubre – Diciembre, (pp. 15 – 36), Cuba. [ISSN 2224-2643].
- [17]. Gorina, A., Alonso, I., **Salgado, A.** y Álvarez, J. A. (2014). La gestión de la información científica proporcionada por el criterio de expertos. **CIENCIAS DE LA INFORMACIÓN**: Vol. 45, No. 2, Año 2014, Mayo – Agosto, (pp. 39 – 47), Cuba. [ISSN 2224-2643].

#### **SCIENTIFIC PUBLICATIONS IN EVENTS IN THE LAST 5 YEARS**

##### **YEAR 2019**

- [1]. Palau, R., González, O.F. y **Salgado, A.** (2019). Database seismic moment tensor. In proceedings of the VIII International Cuban Convention of Earth Sciences. "Geociencias'2019". Cuba.
- [2]. Palau, R., Thanh, T. y **Salgado, A.** (2019). Determination of the detection threshold of the cuban seismological network. In proceedings of the VIII International Cuban Convention of Earth Sciences. "Geociencias'2019". Cuba.
- [3]. **Salgado, A.**, Alonso, I. y Gorina, A. (2019) How to improve algorithmic - computational thinking? In proceedings of the 33 Latin American Mathematics Meeting 2019 (RELME 33). Cuba.

##### **YEAR 2018**

- [4]. **Salgado, A.**, Palau, R. y Thanh, T. Computational tool for calculates the detection threshold of the cuban seismic network. (2018). In proceedings of the X International Congress on Disasters 2018.
- [5]. Palau, R., Porras, J.L., Chuy, T.J. y **Salgado, A.** (2018). Obtaining the intensities map of perceptible earthquakes in Cuba. In proceedings of the X International Congress on Disasters 2018.

##### **YEAR 2017**

- [6]. Blanco, A., Alonso, I. y **Salgado, A.** (2017). The development of computational algorithmization skills. An experience at the University of Oriente. Proceedings of the II International Convention of Social and Environmental Sciences. Cuba.
- [7]. Fergusson, E.M., Alonso, I., Gorina, A y **Salgado, A.** (2017). A didactic proposal to improve the researching training of the Bachelor degree of Computer Science. An experience at the University of Oriente. Proceedings of the II International Convention of Social and Environmental Sciences. Cuba.

- [8]. Mayet. T., Torres, E., **Salgado, A.** y Alonso, I. (2017). Educational strategy for the prevention of the risk of contamination by the water resource in the municipality of Mella. Proceedings of the II International Convention of Social and Environmental Sciences. Cuba.

#### **YEAR 2016**

- [9]. **Salgado, A.** y Labrada, A. (2016). Software for teaching simulation. Proceedings of the XVI Convention and International Computer Fair 2016. Cuba.

#### **YEAR 2015**

- [10]. **Salgado, A.** (2015). Create algorithms. Mathematical or computational skill? Proceedings of the V International Meeting of Teaching and Research in Sciences. Brazil.
- [11]. Torres, E., Alonso, I., Gorina, A., **Salgado, A.** y Ruíz, I. (2015). Dynamics of environmental training with an agroecological approach for students of the agronomy career. Proceedings of the V International Meeting of Teaching and Research in Sciences. Brazil.
- [12]. Alvarez, J., Alonso, I., **Salgado, A.** y Ruíz, I. (2015). An exploratory study on skills to solve demonstration mathematical problems. Proceedings of the V International Meeting of Teaching and Research in Sciences. Brazil.

#### **YEAR 2014**

- [13]. **Salgado, A.**, Alonso, I. y Gorina, A. (2014). Didactics Procedures System for improving Computational Algorithmization. Proceedings of the 1st International Scientific Conference UCIENCIA 2014.
- [14]. **Salgado, A.**, González, T. y Castañeira, A. J. (2014). SAM: New Condensed Algorithm. Proceedings of the 1st International Scientific Conference UCIENCIA 2014.
- [15]. **Salgado, A.**, Gorina, A. y Alonso, I. (2014). Algorithmic logic for computational programming. Proceedings of the 9th International Congress of Higher Education 2014.

#### **PARTICIPATION IN EVENTS IN THE LAST 5 YEARS**

1. In proceedings of the VIII International Cuban Convention of Earth Sciences. "Geociencias'2019". Cuba.
2. In proceedings of the 33 Latin American Mathematics Meeting 2019 (RELME 33). Cuba.
3. In proceedings of the X International Congress on Disasters 2018.
4. Proceedings of the II International Convention of Social and Environmental Sciences. Cuba.
5. Proceedings of the XVI Convention and International Computer Fair 2016. Cuba.
6. Proceedings of the V International Meeting of Teaching and Research in Sciences. Brazil.
7. Proceedings of the 1st International Scientific Conference UCIENCIA 2014.

#### **AWARDS OR DISTINCTIONS**

- Provincial Award of the Academy of Sciences of Cuba. 2017.
- National Health Award. 2017.
- Provincial Award of the Academy of Sciences of Cuba as a Young Researcher. 2016
- Award from the University of Oriente as the result already applied of Greater Scientific Impact. 2016
- National Health Award. 2017
- National Award "Sello Forjadores del Futuro 2015". For its excellent scientific-research performance.
- Award from the University of Oriente as the result already applied of Greater Impact on Higher Education. 2015.
- Provincial Award of the Academy of Sciences of Cuba. 2014.
- Award from the University of Oriente as the result already applied of greater contribution to higher education. 2013.

#### **POSTGRADUATE COURSES RECEIVED IN THE LAST 5 YEARS**

1. International training about ISOLA and applications, status 2018. CENAI 2018.
2. International training about Teledetection and Risk Management. CENAI 2018.
3. Publication of scientific papers in international impact journals. University of Oriente, 2018.
4. Application of the method of consulting experts for the validation of the results of scientific research. University of Oriente, 2018.
5. Scientometrics applied to how to enhance the development of "H index" of a researcher. University of Oriente, 2017.
6. Management of scientific information. University of Oriente, 2017.
7. Advanced research: Theoretical thinking in the basic, natural and exact sciences. University of Oriente, 2016.

8. Management of scientific publications in indexed journals. 2016.
9. The implicative statistics as a tool for the processing of scientific information. University of Oriente, 2015.
10. Methodology of scientific research applied to Basic Sciences. 2015.
11. Pattern recognition applications using Neural Networks and Support Vector Machines. University of Oriente, 2015
12. Digital Image Processing and pattern recognition. University of Oriente, 2014.

#### **POSTGRADUATE COURSES TAUGHT IN THE LAST 5 YEARS**

1. Scientometric tools to increase the visibility of CENAIIS research and researchers nationally and internationally (2019).
2. Gestión de contenidos en plataformas semánticas. (2018).
3. Infotechnology (2017).
4. Application of learning machines (ANN and SVM) to the resolution of classification problems (2017).
5. Introduction to Artificial Intelligence (2016).
6. Pattern Recognition applications using MatLab (2015).
7. Introduction to computational simulation and modeling (2016).
8. Fundamentals of Programming Based on Algorithms through Pseudocodes (2016).
9. Logic algorithm applied to website programming (2016).
10. Management of scientific publications in journals indexed in International Prestige Databases. (2016).
11. Computational algorithmization dynamics in the information sciences(2016).
12. Methodology of Scientific Research for computational sciences. (2016).
13. Methods of Scientific Information Processing from a qualitative and quantitative relationship (2016).
14. Logic Programming Applications (2015).
15. Introduction to Pattern Recognition (2015).

#### **RESEARCH PROJECTS IN THE LAST 5 YEARS (PARTICIPATION AS A MEMBER OR LEADER)**

1. (2019-2022) Determination and characterization and of seismogenic nodes in the southeast region of Cuba using artificial intelligence techniques. CENAIIS.
2. (2018-2021) Scientometrics Observatory: Bibliometric and Scientometric Studies of the Scientific Production of the University of Oriente.
3. (2017-2019) New ways of representing stress regimes in the southeast region of Cuba. CENAIIS.
4. (2017-2019) Knowledge management based on sustainable local development. University of Oriente.
5. (2013-14) Management of the research process from an articulation of the qualitative and quantitative methodology. University of Oriente.

#### **THESIS TUTORED IN THE LAST 5 YEARS**

##### **Master's thesis**

1. (2016) Basic system of skills for computational algorithmization. Thesis in option to the title of Master in Management of University Processes. University of Oriente.
2. (2016) Estrategia Comunicativa para prevenir la contaminación por el recurso agua en el municipio de Mella. Thesis in option to the title of Master in Management of University Processes. University of Oriente.
3. (2015) Implementation of a VoIP system with Elastix for knowledge management. Thesis in option to the master in virtualization of university processes. University of Oriente.

##### **Undergraduate**

1. Methodology for the detection and early warning of Severe Local Storms. Bachelor of Computer Science. University of Oriente.
2. Software for the Simulation and Modeling of stochastic phenomena. Bachelor of Computer Science. University of Oriente.
3. HSHELL: Software for the simulation of Artificial Intelligence using production rules. Bachelor of Computer Science. University of Oriente.
4. Computational Platform GPLIPCE 2.0: Management and Information Processing Online Provided by criteria of expert Bachelor of Computer Science. University of Oriente.

## **OTHER RESULTS**

Member of the following scientific societies:

- Cuban Society of Geology.
- Member of the Cuban Mathematics and Computing Society.
- Member of the National Society for Pattern Recognition.
- Member of the National Society of Neurosciences of Cuba

He is currently a member of the Committee of International Referato and evaluator of the works by the double blind system of the following journals:

1. Journal Advances in Electrical and Electronic Engineering.
2. Earth Sciences Research Journal.
3. International Journal of Education and Development using Information and Communication Technology (IJEDICT).
4. Revista DYNA.
5. Revista Ingeniería y Desarrollo.
6. Revista Didasc@lia: Didáctica y Educación.
7. Revista REFCaIE: Revista Electrónica de Formación y Calidad Educativa.
8. Revista Universidad y Sociedad.

A handwritten signature in blue ink, appearing to read "Alfredo" followed by a stylized flourish and the number "10".