



Dra María Hallo
tqecuador@yahoo.com
Calle N22A, Casa E16-277
PoBox: 170112
Quito, Ecuador
Phone; 593998759570
Birth date: 08/05/1955

EDUCATION:

- Alicante University, Alicante, Spain
PhD in Applications of the Informatics, July 2016.
- Notre Dame University of Belgium, Namur, Belgium.
Facultés Universitaires Notre Dame de la Paix .
Licencié et Maître en Informatique. Current equivalence: Master's Degree,
October 1984.
- Escuela Politécnica Nacional (EPN), Quito - Ecuador.
Bachelor's Degree in Chemical Engineering (5 years program).
April 1981.

LANGUAGES:

- Speaks, read and write fluently Spanish, French and English.

TOPICS OF INTEREST

- Semantic Web, Data mining, Business Intelligence, Knowledge management, Information Retrieval.

WORKING EXPERIENCE:

- Escuela Politécnica Nacional, Quito, Ecuador, University Professor from 1984 until now.
- Teaching computer science courses to engineering students: Database, Information Systems Planning, Geographical Information Systems, Systems Analysis and Design, Business Intelligence, Semantic Web.
- Advising more than 50 computer science students in the preparation of their thesis .
- Managing several information systems projects for public enterprises 1984 to Present.
- Member of the Escuela Politécnica Nacional Academic Council.
- Member of the International Athens Institute for Education & Research (ATINER).

- Member of the Scientific Committee of Revista Ibérica de Sistemas y Tecnologías de Información.
- Member of several Scientific Committees of International conferences:
 - EDUNINE 2019 (III IEEE World Engineering Education Conference)
 - ER 2018 : (37th International Conference on Conceptual Modeling),
 - GRMSE-2016 (4th Annual 2016 International Conference on Geo-Informatics in Resource Management & Sustainable Ecosystem)
- General Chair for the First International Conference on Information Systems and Software Technologies, 2019, Quito-Ecuador.

SPECIAL PROJECTS:

Escuela Politécnica Nacional, Quito, Ecuador

Project Manager of the following projects:

- Design, Development and Deployment of a Human Resource Management System for the Ecuadorian Navy.
- Design, Development and Evaluation of Medical Audit System for Public Hospitals in Ecuador.
- Information Systems Planning for the National Council of Disabilities in Ecuador.
- Information Systems Planning for the Ecuadorian Pichincha Province Health Office.
- Design, Development and Evaluation of a Spatial Planning Information System for the Local Governments in Ecuador.
- Portal development for entrepreneurs at national level for the Ministry of Industries of Ecuador.
- Versioning Model for Legislative text using Linked Data.
- Evaluating digital libraries using Linked Data technologies.
- Recommender systems for scientific publications using Linked Data technologies.
- Detection of Taxpayers with High Probability of Non-payment.–An Implementation of a Data Mining Framework.
- Semiautomatic Extraction of Morphological Characters from a Book about Insect Vectors of Chagas Disease

PUBLICATIONS:

1. Ordóñez, P. J., & Hallo, M. (2019). Data Mining Techniques Applied in Tax Administrations: A Literature Review. In *2019 Sixth International Conference on eDemocracy & eGovernment (ICEDEG)* (pp. 224-229). IEEE.
2. Fonseca, M. F. E., & Hallo, M. (2019). Integration of Tools for Handling Open Access Scientific Articles. In *2019 International Conference on Information Systems and Software Technologies (ICI2ST)* (pp. 32-39). IEEE.
3. Hallo, M., Brito, D., Carrera, I., Lema, B., & Pinto, M. (2019, March). Semiautomatic Extraction of Morphological Characters from a Book about Insect Vectors of Chagas Disease. In *2019 IEEE World Conference on Engineering Education (EDUNINE)* (pp. 1-6). IEEE
4. Hallo, M. , Luján- Mora S.,(2018)"An Architecture to Enhance a Reference Management System with Recommendations from Open Linked Data". Proceedings of the 10th International Conference on Computer Supported

- Education (CSEDU2018),vol1, 489-496, Portugal, SCITEPRESS. ISB:9789897582912, DOI: 10.5220/0006804104890496
5. Hallo, M. , Luján- Mora S. (2018) “Automatic Extraction and Management of Open Access Bibliographic Information”, Proceedings of the II IEEE World Engineering Education Conference – EDUNINE2018, Buenos Aires, Argentina, 11-14 March 2018.
 6. Hallo, M., Jaramillo, B. , Aguilar, J. Lozada, H., Camargo, E. (2017). “Developing a Mathematical Model of Oil Production in a Well that uses an Electric Submersible Pumping System”. Proceedings of the 14thInternational Conference on Informatics in Control, Automation and Robotics (ICINCO2017), Madrid (Spain), 26-28 July 2017. SCITEPRESS.
 7. Hallo, M., Luján-Mora, S.and Hallo, F (2017). “Problemas de accesibilidad web en revistas científicas de acceso abierto de América Latina”. Proceedings of the 12th Iberian Conference on Information Systems and Technologies, p. 2432-2437, Lisboa (Portugal), Junio 21-24, 2017.
 8. Hallo,M., Luján-Mora,S. and Maté, A. (2017). Cuadros de mando para gestionar el uso de bibliotecas digitales sobre datos enlazados. RISTI, vol 22, 57–72. DOI: 10.17013. Available at: http://www.risti.xyz/index.php?option=com_content&view=article&id=23&Itemid=122&lang=pt
 9. Hallo, F., & Hallo, M. (2017, March). An approach to Informatics foresight. In World Engineering Education Conference (EDUNINE), IEEE (pp. 95-99).
 10. Hallo, M., Luján-Mora, S.and Maté, A. (2017). Evaluating Open Access Journals using Semantic Web Technologies and Scorecards, Journal of Information Science, vol 43(1),3-16. DOI: 10.1177/0165551515624353. Available at: <http://rua.ua.es/dspace/handle/10045/63967>.
 11. Hallo, M., Luján-Mora, S., Hallo F. (2016). Comparison of Web Accessibility in Technological Open-Access Journals from Latin America. 6th International Conference The Future of Education (FOE 2016 July 1 2016), Florence (Italy), June 30 – July 1.
 12. Hallo, M., Luján-Mora, S. and Maté, A. (2015). Current State of Linked Data in Digital Libraries. Journal of Information Science, 42(2), 117-127. DOI: 10.1177/0165551515594729.
 13. Hallo, M., Luján-Mora, S. and Maté, A. (2015). Data model for storage and retrieval of legislative documents in Digital Libraries using Linked Data. EDULEARN15 Proceedings. Barcelona, Spain, IATED, 7423-7430.
 14. Hallo, M., Luján-Mora, S. and Trujillo, J. (2015). An Approach to Publish Statistics from Open-access Journals using Linked Data Technologies.
 15. Hallo, M., Luján-Mora, S. and Maté, A. (2015). Publishing a Scorecard for Evaluating the Use of Open-Access Journals using Linked Data Technologies. Proceedings of the 2015 International Conference on Computer, Information and Telecommunication Systems (CITS 2015). Gijón, Spain, IEEE: 105-109.
 16. Hallo, M., Luján_Mora, S. and Chavez, C. (2014). An Approach to Publish Scientific Data of Open-access Journals using Linked Data Technologies. Proceedings of the 6th International Conference on Education and New Learning Technologies (EDULEARN14). Barcelona, Spain, IATED, 5940-5948.
 17. Hallo, M., Luján-Mora, S. and Trujillo, J. (2014). Transforming Library Catalogs into Linked Data. Proceedings of the 7th International Conference of Education, Research and Innovation (ICERI2014). Sevilla, Spain, IATED, 1845-1853.

18. Hallo, M. (2014). Sistemas de Bases de Datos NoSQL. En: Tópicos avanzados de bases de datos. Proyecto Latin. URL: <http://escritura.proyectolatin.org/topicos-avanzados-de-bd-version-autor-jpg/bases-de-datos-nosql/>.
19. Hallo, M. and Mosquera L. (2014). Data Mart para el Sistema de Servicios Sociales del Conadis : Consejo Nacional de Discapacidades, Revista Politécnica, 33(2), 1-9.
20. Hallo, M., Luján-Mora, S. (2014). An architecture and process to publish scientific data using Linked Data technologies Poster presented at the event Web Intelligence Summer School, 25-29 August 2014, Saint Etienne, France.
21. Hallo, M, Luján-Mora, S., Maté, A., Tubón D. (2015). Evaluación del uso de la Revista Politécnica usando analíticas de Google y tecnologías de Linked Data. Memorias de las VI Jornadas de Ingeniería de Sistemas Informáticos y de Computación (JISIC 2015), Quito, Ecuador, 203-207. ISBN: 978-9978-383-34-6.
22. Hallo, M., Luján-Mora, S. and Trujillo, J. (2015). An Approach to Publish Statistics from Open-access Journals using Linked Data Technologies. Proceedings of the 9th International Technology, Education and Development Conference (INTED2015). Madrid, Spain, IATED, 5940-5948.
23. Hallo, M., De la Fuente, P. and Martínez-González, M. (2013). Data models for version management of legislative documents. Journal of Information Science, 39(4), 557-572.
24. Hallo, M., De la Fuente, P. and Martínez-González, M. (2012). Las Tecnologías de Linked Data y sus aplicaciones en el gobierno electrónico. SCIRE, 18(1), 49-61.