

## Education

Post graduate certificate in Innovation and Entrepreneurship, *EIT Digital Doctoral School* (2021)

Thesis title: “Market Analysis of Semantic Data Integration in the Artificial Intelligence Era”

Supervisor: Prof. Oscar Corcho

PhD. in Artificial Intelligence, *Universidad Politécnica de Madrid* (2020)

Thesis title: “Knowledge-Graph-Based Semantic Labeling of Tabular Data”

Supervisor: Prof. Oscar Corcho

Msc. in Artificial Intelligence, *Universidad Politécnica de Madrid* (2015)

Thesis title: “OnToology: An online tool for ontology documentation and evaluation”

Supervisor: Prof. Oscar Corcho

Bsc. in Computer Science, *Kuwait University* (2011)

## Experience

*Runzbuzz Technology Consulting Company – Kuwait* (3/2023 – Now)

Position: Founder and Researcher

Focus: Artificial Intelligence, Research and Development.

*iiRestaurants – Kuwait* (6/2023 – 2/2024)

Position: Co-Founder and CTO

Focus: Planning, Data Analysis, and Software Development.

*Universidad Politécnica de Madrid – Spain* (7/2020 – 3/2023)

Position: Teaching and Research

Focus: Realtime Multilingual NLP and Translation using Knowledge Graphs, Social Computing Ontology Engineering, Semantic Labelling, Knowledge Graph Construction.

*Universidad Europea de Madrid – Spain* (9/2022 – 2/2023)

Position: Lecturer

Focus: Intelligent Systems and Knowledge Representation.

*Universität Paderborn – Germany* (5/2019 – 7/2019)

Position: Visiting Researcher

Focus: Scalable Semantic Labelling using Map-Reduce.

*Vrije Universiteit Amsterdam – Netherlands* (9/2018 – 12/2018)

Position: Visiting Researcher

Focus: Semantic Labelling with HDT.

*Zain Telecom - Kuwait* (9/2011 – 3/2014)

Position: Technical Analyst

Focus: IVR and Call Centre Systems, CRM Database, Data Integration.

## Projects

<Under development> – *Runzbuzz* (2023 – 2024): AI pipeline construction using AI  
<Under development> – *Runzbuzz* (2023 – 2024): E-commerce App for Designer Clothes  
ImageGen AI – *Runzbuzz* (2023 – 2024): Image Generation, Diffusion Models  
Morph KGC – *BASF* (2022 – 2023): Knowledge Graph Construction, Mapping Languages  
EU data portal – *European Union* (2022 – 2023): Dataset Search, Information Retrieval  
Woods (2022 – 2023): Semantic Labelling for Statistical Data, Knowledge Graph Construction  
SmarTerp (2021): Realtime NLP and Term Translation  
IDB Project – *EVERIS* (2021): Document Analysis, Topic Modelling  
IEBrain Project – *Moonshot* (2020): Ontology Engineering  
Marketplace – *Accenture & AI.nnovation Space* (2018): Semantic Labelling, Knowledge Graph  
MobileAge – *European Union* (2017 – 2018): Declarative Mappings, Knowledge Graph

## Publications

Alobaid, A., & Corcho, O. (2023). Linear approximation of the quantile-quantile plot for semantic labelling of numeric columns in tabular data. *Expert Systems with Applications*, 122152.  
Alobaid, A., Toledo, J., Corcho, O., & Poveda-Villalón, M. (2023, April). Depicting Vocabulary Summaries with Devos. In *Companion Proceedings of the ACM Web Conference 2023* (pp. 250-253).  
Arenas-Guerrero, J., Alobaid, A., Navas-Loro, M., Pérez, M. S., & Corcho, O. (2023, May). Boosting Knowledge Graph Generation from Tabular Data with RML Views. In *European Semantic Web Conference* (pp. 484-501). Cham: Springer Nature Switzerland.  
Alobaid, A., & Corcho, O. (2022). Balancing coverage and specificity for semantic labelling of subject columns. *Knowledge-Based Systems*, 240, 108092.  
Alobaid, A., Kacprzak, E., & Corcho, O. (2021). Typology-based semantic labeling of numeric tabular data. *Semantic Web*, 12(1), 5-20.  
Chaves-Fraga, D., Priyatna, F., Alobaid, A., & Corcho, O. (2020). Exploiting declarative mapping rules for generating graphql servers with morph-graphql. *International Journal of Software Engineering and Knowledge Engineering*, 30(06), 785-803.  
Alobaid, A., & Corcho, O. (2018). Fuzzy semantic labeling of semi-structured numerical datasets. In *Knowledge Engineering and Knowledge Management: 21st International Conference, EKAW 2018, Nancy, France, November 12-16, 2018, Proceedings 21* (pp. 19-33). Springer International Publishing.  
Priyatna, F., Chaves-Fraga, D., Alobaid, A., & Corcho, O. (2019). Morph-GraphQL: GraphQL servers generation from R2RML mappings. 10.18293/SEKE2019-055.  
Alobaid, A., Garijo, D., Poveda-Villalón, M., Santana-Perez, I., Fernández-Izquierdo, A., & Corcho, O. (2019). Automating ontology engineering support activities with OnToology. *Journal of Web Semantics*, 57, 100472.

## Conferences and Talks

“QQ Plot and Distribution Detection for Semantic Labelling”, UPM, Madrid, 2022  
“Data Integration Market Analysis in the Artificial Intelligence Age”, UPM, Madrid, 2020  
“Linear Approximation of the Quantile-Quantile Plot for Semantic Labelling of Numeric Columns” UPM, Madrid, 2020

- “GraphQL Servers generation from R2RML with morph-GraphQL” SEKE, Portugal, 2019
- “Semantic Labeling of Subject Columns in Tabular Data” UPM, Madrid, Spain, 2019
- “Knowledge-Graph-Based Semantic Labeling: Balancing Coverage and Specificity”, UPM, Madrid, Spain, 2019
- “Large Scale Semantic Labeling” UPM, Madrid, Spain, 2019
- “Scalability in Semantic Labeling Approaches” UPM, Madrid, Spain, 2019
- “Semantic Labeling of Single-Entity Columns in Semi-Structured Data Sources using Knowledge Graphs” UPM, Madrid, Spain, 2018
- “GraphQL and OBDA” UPM, Madrid, Spain, 2018
- “Fuzzy Labeling of Semi-structured Numerical data Sources” UPM, Madrid, Spain, 2018
- “Fuzzy Labeling of Semi-structured Numerical data Sources” EKAW, Nancy, France, 2018
- “Intro to Web development in python” IMDEA, Madrid, Spain, 2018
- “OnToology, a tool for collaborative development of ontologies.” ICBO, Lisbon, Portugal. 2015

## Tutorials

- “Catching up with ontological engineering To git-commit and beyond”, EKAW, Nancy, France, 2018
- “Generating and querying (Virtual) Knowledge Graphs from heterogeneous data sources” ESWC, Portoroz, Slovenia, 2019

## Teaching

Intelligent Systems and Knowledge Representation – *Universidad Europea de Madrid* (2022/2023)

## Pedagogy Training

- Writing in the Sciences – *Stanford University*
- Teacher Training Certificate – *American University of Kuwait*
- University Teaching Course – *University of Hong Kong*

## Patents and Intellectual Properties

- OnToology – Registry of Intellectual Property of Madrid (Registry: 09-RTPI-01257.5/2020)
- Mappingpedia – Registry of Intellectual Property of Madrid (Registry: 09-RTPI-05288.6/2018)
- Morph-GraphQL – Registry of Intellectual Property of Madrid (Registry: 09-RTPI-01973.8/2020)
- TADA – Registry of Intellectual Property of Madrid (Registry: 09-RTPI-02133.7/2023)

## Miscellaneous

- Invited Expert by the *Kuwaiti Parliament* for discussions on digitalization and AI laws
- Founded the first AI startup in Kuwait to publish a scientific article about AI in a Q1 journal
- A member of the *Association for Computing Machinery, ACM*
- A member of the *RDF Dataset Canonicalization and Hash Working Group* at the World Wide Web
- Developed a platform for ontology development, supporting over 300 users and 700 ontologies
- Reduced complaints and legal fees by over 70% using a suite of innovative technical solutions