## ABOUT ME

Civil Engineer. Working experience in Chile and Angola, managing projects in industries such as: construction, banking, and oil. Currently I am a full-time lecturer and head of Outreach in the School of Civil Engineering of the PUCV.

My research areas are Project Management, Enterprise Architecture, Business Process Management (BPM) and 4.0 Industry.

## CONTACT

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## HOBBIES

Music. Bass, guitar, and piano
Karate Shotokan. Orange belt.

# EDISON ATENCIO
Civil Engineer

## EDUCATION

**Politecnico di Milano, Italia**
2022 – Present. PhD Candidate. Engineering Management

**Pontificia Universidad Católica de Valparaíso (PUCV), Chile**
2019 – Present. PhD Candidate. Industrial Engineering
2015 - Master of Industrial Engineering
2010 - Civil Engineer

**University of Notre Dame (Mendoza College of Business)**
2012 - Black Belt Six Sigma

## WORK EXPERIENCE

**Pontificia Universidad Católica de Valparaíso – School of Civil Engineering**
July 2018 - Present
*Lecturer and Head of Outreach Department*

**Falabella Bank**
July 2016 – July 2018
*Head of Robotic Process Automation area (RPA).*

**Salcobrand Pharmaceutical**
December 2015 – July 2016
*Project manager, Marketing Department.*

**Sociedade Nacional de Combustíveis de Angola (SONANGOL)**
December 2013 – December 2015
Luanda (Angola). *BPM and Project Management Consultant.*

**CERCO construction Ltd.**
August 2012 – December 2013
*Project Manager in construction projects.* Sewerage, drinking water, pavements.

**BCI Bank**
October 2010 – August 2012
*BPM engineer*

## GRANTS

Outstanding Professor Award at PUCV, 2019
Juan Gómez Millas undergraduate scholarship

# CURRENT REASEARCH

1. Mamani, T., Herrera, R.F., Muñoz La Rivera, F., Atencio, E. (2022). Variables That Affect Thermal Comfort and Its Measuring Instruments: A Systematic Review. Sustainability 14(1773). DOI: 10.3390/su14031773

2. Morales, F., Herrera, R.F., Atencio, E., Muñoz La Rivera, F., Núñez, M. (2022). Potential Application of BIM in RFI in Building Projects. Buildings 12(2):145. DOI: 10.3390/buildings12020145

3. Duarte, L., Herrera, R.F., Atencio, E., Muñoz La Rivera, F. (2021). Interoperability of Digital Tools for the Monitoring and Control of Construction Projects. Applied Sciences 11(10370). DOI: 10.3390/app112110370

4. Jofré, C., Muñoz La Rivera, F., Atencio, E., Herrera, R.F (2021). Implementation of Facility Management for Port Infrastructure through the Use of UAVs, Photogrammetry and BIM. Sensors, 21(6686). DOI: 10.3390/s21196686

5. Galaz, E., Herrera, R.F., Atencio, E., Muñoz La Rivera, F. (2021). Problems and Challenges in the Interactions of Design Teams of Construction Projects: A Bibliometric Study. Buildings, 11(10):461. DOI: 10.3390/buildings11100461

6. Díaz, G., Herrera, R.F., Muñoz-La Rivera, F., Atencio, E (2021). Generative Design for Dimensioning of Retaining Walls. Mathematics, 9,1918. DOI: 10.3390/math9161918.

7. Jacob, N., Muñoz-La Rivera, F., Herrera, R.F., Atencio, E (2021). Unmanned Aerial Vehicles (UAVs) for Physical Progress Monitoring of Construction. Sensors, 21, 4227. https://doi.org/10.3390/s21124227.

8. Díaz, G., Herrera, R.F., Muñoz-La Rivera, F., Atencio, E. (2021) Applications of generative design in structural engineering. Revista Ingeniería de Construcción, 36(1):29-47.

9. Ferrer, D., Atencio, E., Muñoz-La Rivera, F., Herrera, R.F. (2021) Evaluation of the use of cascade detection algorithms based on machine learning for crack detection in asphalt pavements. Solid State Technology, 64(2): 5558-5605.

10. Delgado, C., Atencio, E., Herrera, R.F., Muñoz-La Rivera, F. (2021) Análisis Cuantitativo de Riesgos de Proyectos de Construcción con Simulación de Monte Carlo. Anales del Instituto de Ingenieros de Chile, Diciembre 2020.

11. Gómez, M., Herrera, R.F., Atencio, E., Muñoz-La Rivera, F. (2021) Key Management Skills for Integral Civil Engineering Education. International Journal of Engineering Pedagogy (iJEP), DOI: 10.3991/ijep.v11i1.15259

12. Prosser-Contreras, M.; Atencio, E.; Muñoz La Rivera, F.; Herrera, R.F. (2020). Use of Unmanned Aerial Vehicles (UAVs) and Photogrammetry to Obtain the International Roughness Index (IRI) on Roads. Appl. Sci. 2020, 10, 8788.

13. Romero-Chambi, E.; Villarroel-Quezada, S.; Atencio, E.; Muñoz-La Rivera, F. (2020). Analysis of Optimal Flight Parameters of Unmanned Aerial Vehicles (UAVs) for Detecting Potholes in Pavements. Applied Science, 10, 4157.

14. Gómez, M., Muñoz La Rivera, F. y Atencio, E. (2019). "Evaluación de competencias en management para la formación de ingenieros civiles". Revista Iberoamericana de Educación en Ingeniería. Vol. 1, 2

15. Herrera, R.F., Muñoz-La Rivera, F., Vielma, J.C., and Atencio, E. (2019). "Impact on team performance of interaction with BIM". World Transactions on Engineering and Technology Education, Vol.17, no. 3, pp. 260-265.