



Publicaciones: Ingeniería del Software.

- **Mirna Muñoz**, Gabriel García-Mireles, **Jezreel Mejía**, Yadira Quiñonez, Gloria Gasca-Hurtado, Adriana Peña. Use of Software Engineering methodological support for developing machine learning-based software: A Systematic Mapping Study. Journal of Universal Computer Science.
- Pastrana M., Ordoñez H., Cobos-Lozada C.A., **Muñoz M.** Best Practices Evidenced for Software Development Based on DevOps and Scrum: A Literature Review (2025) Applied Sciences (Switzerland), 15 (10), art. no. 5421 DOI: 10.3390/app15105421
- Pastrana, M.; Ordoñez, H.; Cobos-Lozada, C.A.; **Muñoz, M.** Integrating Scrum and DevOps for Very Small Entities in South America: Design of an Implementation Guide. Appl. Sci. 2025, 15 (11), 6116, <https://doi.org/10.3390/app15116116>.
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- **J. Mejía**, V. Terrón-Macias, **M. Muñoz**, M. Terrón-Hernández and M. Canseco-Pérez, "VSEST 29110 Tool: Using ChatGPT to Evaluate the Implementation of the ISO/IEC 29110 Work Products," in IEEE Access, vol. 12, pp. 120935-120948, 2024, doi: 10.1109/ACCESS.2024.3449252.
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- Gloria Piedad Gasca-Hurtado, **Mirna Muñoz** and Samer Sameh. Promoting Social and Human Factors through a Gamified Automotive Software Development Environment. Journal of Software: Evolution and Process. <https://doi.org/10.1002/smr.2704>
- Claude Y. Laporte and Guillaume Verret, **Mirna Muñoz**. A Software Project That Partially Failed: A Small Organization That Ignored the Management and Technical Practices of Software Standards. Computer. 10.1109/MC.2023.3253979
- Adriana Peña Perez Negron, Luz Maria Reyes, **Mirna Muñoz**. Mathematical model of social behavior for the allocation of members in software development teams. AUTOMATED SOFTWARE ENGINEERING, pp. 1-16. DOI. 10.1007/s10515-022-00330-4.
- Gloria Piedad Gasca- Hurtado, Maria Clara Gómez-Álvarez, Liliana Machuca-Villegas, **Mirna Muñoz**. Design of a gamification strategy to intervene in social and human factors associated with software process improvement change resistance. IET Software. DOI10.1049/sfw2.12045, pps 428-442.



- **Mirna Muñoz, Jezreel Mejía**, Adriana Peña, Claude Y. Laporte, Gloria Piedad Gasca-Hurtado. Beyond factors that motivate the adoption of the ISO/IEC 29110 in Mexico: An exploratory study of the implementation pace of this standard and the benefits observed. IET Software. DOI. 10.1049/sfw2.12041. pps 412-427.
- **Muñoz M.**, Rodríguez MN. A guidance to implement or reinforce a DevOps approach in organizations: A case study. Journal of Software-Evolution and Process. DOI10.1002/smr.2342. pps 1-21
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