

# Proyecto: Diseño de un sistema para soportar algoritmos de control basados en aprendizaje automático en tiempo real

David Felipe Duarte Sánchez

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## Bitácora Semana 2

Fecha	Horas	Actividad	Descripción
13/02/2024	3	Busqueda de Material bibliográfico	Lectura de artículos [5] [12]
14/02/2024	3	Busqueda de Material bibliográfico	Lectura de artículos [10] [11]
15/02/2024	5	Busqueda de Material bibliográfico	Lectura de artículos [1] [4] y [3]
16/02/2024	8	Busqueda de Material bibliográfico	Lectura de artículos [8] [9] [2] [7]
19/02/2024	5	Busqueda de Material bibliográfico	Lectura de artículos [6] [9] [2]

Firma:

## Referencias

- [1] Asma Baobaid, Mahmoud Méribout, Varun Kumar Tiwari, and Juan Pablo Peña. Hardware accelerators for real-time face recognition: A survey. *IEEE Access*, 10:83723–83739, 2022.
- [2] Ciprian Barbieru and Florin Pop. Soft real-time hadoop scheduler for big data processing in smart cities. *2016 IEEE 30th International Conference on Advanced Information Networking and Applications (AINA)*, pages 863–870, 2016.
- [3] Hadjer Benmeziiane, Hamza Ouarnoughi, Kaoutar El Maghraoui, and Smaïl Niar. Real-time style transfer with efficient vision transformers. *Proceedings of the 5th International Workshop on Edge Systems, Analytics and Networking*, 2022.
- [4] Ammar H. Elsheikh. Applications of machine learning in friction stir welding: Prediction of joint properties, real-time control and tool failure diagnosis. *Eng. Appl. Artif. Intell.*, 121:105961, 2023.
- [5] Przemysław Flak. Hardware-accelerated real-time spectrum analyzer with a broadband fast sweep feature based on the cost-effective sdr platform. *IEEE Access*, 10:110934–110946, 2022.
- [6] Mehrdad Ghorbani, Milad Pasand, Alireza Ghasem Bayati, and Neda Baheri. Real-time hardware-in-the-loop test for a small upper stage embedded control system. *2018 Real-Time and Embedded Systems and Technologies (RTEST)*, pages 96–103, 2018.
- [7] Pao-Ann Hsiung, Feng-Shi Su, Chuen-Hau Gao, Shu-Yu Cheng, and Yu-Ming Chang. Verifiable embedded real-time application framework. *Proceedings Seventh IEEE Real-Time Technology and Applications Symposium*, pages 109–110, 2001.
- [8] Deepa Mathew and Bijoy Antony Jose. Real-time performance analysis and tuning of embedded system virtualization architecture based on kvm. *Int. J. Embed. Real Time Commun. Syst.*, 13:1–20, 2022.
- [9] Richard Phillips and Greg Nelson. Real time: what is it and what are we doing about it? 2006.
- [10] Achim Rettberg, Mauro Cesar Zanella, Rainer Dömer, Andreas Gerstlauer, and Franz-Josef Rammig. Embedded system design: Topics, techniques and trends, ifip tc10 working conference: International embedded systems symposium (iess), may 30 - june 1, 2007, irvine, ca, usa. In *International Conference on Exploring Services Science*, 2007.
- [11] Sangeet Saha, Shoaib Ehsan, Adrian M. Stoica, R. Stolkin, and Klaus Dieter McDonald-Maier. Real-time application processing for fpga-based resilient embedded systems in harsh environments. *2018 NASA/ESA Conference on Adaptive Hardware and Systems (AHS)*, pages 299–304, 2018.
- [12] Miguel Silva, Tiago Gomes, and Sandro Pinto. Agnostic hardware-accelerated operating system for low-end iot. *2022 IEEE 28th International Conference on Embedded and Real-Time Computing Systems and Applications (RTCSA)*, pages 21–30, 2022.