



JUAN CARLOS ANTONIO JÁUREGUI CORREA

GRADO ACADÉMICO

PROGRAMAS ACADÉMICOS A LOS QUE PERTENECE:

- Doctorado en ingeniería
- Maestría en Ciencias (Control en Sistemas Embebidos)

FORMACIÓN

- Ingeniería Mecánica Eléctrica
- Maestría en Ingeniería Mecánica
- Philosophy Doctor in Engineering

CONTACTO

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- Instrumentación y Control

PUBLICACIONES

- State-of-the-Art and Innovations in Mechanism and Machine Science, A Tribute to Carlos López-Cajún, Marco Ceccarelli and Juan Carlos Jauregui-Correa (Ed.), Mechanisms and Machine Science Series (150), Springer, Netherlands. 2024, ISBN 978-3-031-47042-4 Capítulos de Libros (Books' Chapters)
- Padron, B., Cruz-Miguel, E.E., Jauregui Correa, J.C., Carbone, G. (2021). A Force Control Architecture for Grasping with a Robotic Finger. In: Pucheta, M., Cardona, A., Preidikman, S., Hecker, R. (eds) Multibody Mechatronic Systems. MuSMe 2021. Mechanisms and Machine Science, vol 94. Springer, pp 214-221, Cham. https://doi.org/10.1007/978-3-030-60372-4_24
- Jauregui-Correa, J.C., Otremba, F., Romero-Navarrete, J.A., Hurtado-Hurtado, G., "Determination of the Effect of Sloshing on the Railcar-Track Dynamic Behavior", Mechanisms and Machine Science Series (110), pp. 367-378, Springer, Netherlands, 2021
- Jauregui-Correa, "Flipped Learning Applied to Machine Design", Mechanisms and Machine Science Series (128), pp. 55-63, Springer, Netherlands, 2023
- Marco Ceccarelli, Juan Carlos Jauregui Correa, "Carlos López-Cajún: IFToMMist MMS Scientist", Mechanisms and Machine Science Series (150), pp. 1-16, Springer, Netherlands, 2024
- Mihir Sen, Juan Carlos Jauregui-Correa, "Synchronization in Mechanical Systems", Mechanisms and Machine Science Series (150), pp. 235-248, Springer, Netherlands, 2024



- J. Carlos Jauregui-Correa, "Perspective Chapter: Predicting Vehicle-Track Interaction with Recurrence Plots", Chaos Monitoring in Dynamic Systems - Analysis and Applications. IntechOpen, Feb. 14, 2024. doi: 10.5772/intechopen.105752. Revistas Indizadas (Journals)
- H Elizalde, D Cárdenas, JC Jáuregui-Correa, MT Piován, O Probst, "Vibrations of composite thin-walled beams with arbitrary curvature—a unified approach", Thin-Walled Structures 147, 1, 2020
- E Chavero-Navarrete, M Trejo-Perea, JC Jáuregui-Correa, "Hierarchical Pitch Control for Small Wind Turbines Based on Fuzzy Logic and Anticipated Wind Speed Measurement", Applied Sciences 10 (13), 2020
- SV Camacho Gutiérrez, JC Jáuregui Correa, A Dominguez-Gonzalez, R Gómez-Loenzo "An Application of Isogeometric Analysis and Boundary Integral Element Method for Solving Nonlinear Contact Problems", Applied Sciences 10 (7), 2020
- JC Jáuregui-Correa, RA Gómez-Loenzo, "The effect of roller-bearing stiffness on the machining process stability", The International Journal of Advanced Manufacturing Technology (2021)
- JL Reyes-Araiza, J Pineda-Piñón, JM López-Romero, JR Gasca-Tirado, M Arroyo Contreras, JC Jáuregui-Correa, LM Apátiga-Castro, EM Rivera-Muñoz, RR Velazquez-Castillo, JJ Pérez Bueno, A Manzano-Ramirez "Thermal Energy Storage by the Encapsulation of Phase Change Materials in Building Elements—A Review" Materials, 14(6), 2021
- Torres-Contreras, I, Jáuregui-Correa, J, López-Cajún, C, Echeverría-Villagómez, S., "Effects of Phase Shift Errors in Recurrence Plot for Rotating Machinery Fault Diagnosis", Applied Sciences 11 (873), 2021

PREMIOS Y DISTINCIONES

- Honorary Research Associate, Universidad de Leicester, United Kindom, 1988
- Investigador Nacional Nivel III (SNI) Máxima distinción del CONACyT 2003-2025, Mexico
- Premio CONCYTEQ 1991 en el área de Fomento Industrial, Mexico
- Miembro del Enginering Oversight Committe del proyecto Gran Telescopio Milimétrico desarrollado por el INAOE y la Universidad de Massachusetts, USA and Mexico
- Miembro del Consejo Directivo el Consejo de Ciencia y Tecnología del Estado de Aguascalientes, Mexico
- Presidente del Capítulo Mecánico de la Academia Nacional de Ingeniería (México)
- Miembro del Foro Consultivo Científico y Tecnológico, Mexico
- Dilip Kohli Memorial Award 2008, Universidad de Wisconsin-Milwaukee, USA
- Premio Alejandrina 2009, Universidad Autónoma de Querétaro, Mexico
- Technical Committee Chair for Vibrations, International Federation for the Promotion of Machines and Mechanisms (IFTToMM) 2017-2019
- Member of the Executive Committee, International Federation for the Promotion of Machines and Mechanisms (IFTToMM) 2020-2024
- Member of the Italian Research Assessment VQR 2011-2014, managed by the Italian Evaluation Agency ANVUR, Italy
- Member of the UKRI, United Kindom
- Fellow Member ASME, USA
- Best Paper Award, 2023, ASME, IGTI, Structures and Dynamics



UNIVERSIDAD AUTÓNOMA DE QUERÉTARO

FACULTAD DE INGENIERÍA

- ASME IGTI Outstanding Service Award, 2024
- SOMIM, Reconocimiento a la Trayectoria en la Ingeniería Mecánica, 2024
- ANFEI, Reconocimiento al Mérito Académico 2024