



LGAC INSTRUMENTACIÓN Y CONTROL

| Artículo | Congreso | Año |
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| David Macos Andrade, Ivan de Jesús Rivas Cambero, Juan Eduardo Esquivel Cruz, José Humberto Arroyo Núñez, Conmutación de una máquina Brushless de corriente directa motor/generador eléctrico. SENIE 2021, 17-19 NOVIEMBRE 2021, Ciudad de México. (publicado en revista pistas educativas, Vol 43, Num 139) http://www.itc.mx/ojs/index.php/pistas/article/view/2661 | Semana nacional de ingeniería electrónica | 2021 |
| Daniel Galván Pérez, Iván de Jesús Rivas Cambero, Sergio Iván Morga Bonilla, Elba Dolores Antonio Yáñez, KINEMATIC MODELING AND LONGITUDINAL SLIPPAGE ANALYSIS IN A SKID-STEERING MOBILE ROBOT / MODELADO CINEMÁTICO Y ANÁLISIS DE DESLIZAMIENTO LONGITUDINAL EN UN ROBOT MÓVIL DE DIRECCIÓN DESLIZANTE, Congreso Nacional de Cuerpos Académicos, Investigación y Posgrado, octubre 2021, https://www.uttt.edu.mx/Congreso/Documentos/ProgramaPorMesa.pdf | Congreso Nacional de Cuerpos Académicos, Investigación y Posgrado | 2021 |
| Saúl Moreno López, Francisca Angélica Elizalde Canales, Ivan de Jesús Rivas Cambero, Juan Antonio Cárdenas Franco, Uriel Edgardo Escobar Franco, Generación de series pseudorandom para datos de consumo de energía eléctrica, senie 2020 noviembre 2020, publicado en Pistas Educativas, Vol. 42 No. 137, noviembre 2020, México, Tecnológico Nacional de México en Celaya, ISSN 2448-847X, http://itcelaya.edu.mx/ojs/index.php/pistas | Semana nacional de ingeniería electrónica | 2020 |
| Daniel Galvan-Pérez, Felipe Coyotl-Mixcoatl, Iván Rivas-Cambero, Kinematic coupling of a mobile manipulation systems, 2020 IEEE International Autumn Meeting on Power, Electronics and Computing (ROPEC 2020). Ixtapa, Mexico, Publicado en plataforma IEEE Xplore, DOI https://doi.org/10.1109/ROPEC50909.2020.9258712 | IEEE International Autumn Meeting on Power, Electronics and Computing | 2020 |
| Clementina Rueda-Germán, Iván J. Rivas-Cambero, J. Humberto Arroyo Núñez, Felipe Cáyotl-Mixcoatl, "Implementation of a phase tuner for Exchange of electrical energy", 2019 IEEE International Autumn Meeting on Power, Electronics and Computing (ROPEC 2019). Ixtapa, México, Publicado en plataforma IEEE Xplore DOI https://doi.org/10.1109/ROPEC48299.2019.9057059 | IEEE International Autumn Meeting on Power, Electronics and Computing | 2019 |
| Héctor García Maldonado, Iván de Jesús Rivas Cambero, José Humberto Arroyo Núñez, Jorge Luis Flores Mejía. Adaptation of gains for a PID controller for the gradient descendent method Design, Simulation and comparison with classic PID controller. 2018 IEEE International Autumn Meeting on Power, Electronics and Computing (ROPEC 2018). Ixtapa, México. Publicado en plataforma IEEE Xplore, DOI: 10.1109/ROPEC.2018.8661445 | IEEE International Autumn Meeting on Power, Electronics and Computing | 2018 |
| Jorge Luis Flores Mejía, José Humberto Arroyo Núñez, Iván de Jesús Rivas Cambero, Héctor García Maldonado. MODELADO Y SIMULACIÓN DE UN REGULADOR DE VELOCIDAD PARA UN MOTOR BLDC POR MEDIO DE UN CONTROLADOR DE HISTÉRESIS POR CORRIENTE, senie 2018, noviembre | Semana nacional de ingeniería electrónica | 2018 |



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LGAC DISEÑO Y CONTROL DE SISTEMAS MECATRÓNICOS

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| Alejandro Cadena Luqueño, Martín Bustamante Enciso and Rafael Stanley Núñez Cruz, Modeling and simulation of a furuta pendulum actuated by an inertial wheel, 18th International Conference on Electrical Engineering, Computing Science and Automatic Control (CCE), Mexico City, November 10-12 2021, (publicado en IEEE Explore, doi: https://doi.org/10.1109/CCE53527.2021.9633115) | 18th International Conference on Electrical Engineering, Computing Science and Automatic Control | 2021 |
| Omar Vicente Pérez Arista, Oscar Rafael Vargas Barona and Rafael Stanley Núñez Cruz, Development of an efficient path planning algorithm for indoor navigation, 18th International Conference on Electrical Engineering, Computing Science and Automatic Control (CCE), Mexico City, November 10-12 2021, (publicado en IEEE Explore, doi: https://doi.org/10.1109/CCE53527.2021.9633059) | 18th International Conference on Electrical Engineering, Computing Science and Automatic Control | 2021 |
| Benito Villeda Felix, José Humberto Arroyo Núñez, Rafael Stanley Núñez Cruz, Elba Dolores Antonio Yáñez, DISPLACEMENT AID SYSTEM FOR PEOPLE WITH VISUAL IMPAIRMENT USING MAGNETIC COILS SISTEMA DE AYUDA PARA EL DESPLAZAMIENTO DE PERSONA CON DEFICIENCIA VISUAL USANDO ESPIRAS MAGNÉTICAS, Congreso Nacional de Cuerpos Académicos, Investigación y Posgrado Subsistema de Universidades Tecnológicas y Politécnicas, octubre 2021, https://www.utt.edu.mx/Congreso/Documentos/ProgramaPorMesa.pdf | Congreso Nacional de Cuerpos Académicos, Investigación y Posgrado Subsistema de Universidades Tecnológicas y Politécnicas | 2021 |
| Shantipriya Parida, Subhadarshi Panda, Amulya Dash, Esau Villatoro-Tello, A. Seza Dogruöz, Rosa M. Ortega-Mendoza, Amadeo Hernández, Yashvardhan Sharma, and Petr MotliceK. (2021). Open Machine Translation for Low Resource South American Languages (AmericasNLP 2021 Shared Task Contribution). In Proceedings of the Americas NLP 2021 Shared Task on Open Machine Translation for Indigenous Languages of the Americas, Online. Association for Computational Linguistics. | Proceedings of the Americas NLP | 2021 |
| Amadeo Hernández Hernández, Rosa María Ortega Mendoza, Esaú Villatoro Tello, César Joel Camacho Bello, Gabriela Ramírez de la Rosa, "Traducción automática de comandos en Náhuatl para controlar los movimientos de un robot móvil", 2do. congreso PNL Indígenas, el cual se realizó de forma virtual los días 4 y 5 de noviembre del 2021. Morelia, Michoacán, México. | 2do. congreso PNL Indígenas | 2021 |
| ER Carlos, RH Mariza, LMV Sosa. Use of Techno-Pedagogical Tools to Incorporate Remote Collaboration in a Data Structure Course. 2021 9th International Conference in Software Engineering Research. 2021 https://doi.org/10.1109/CONISOFT52520.2021.00039 | 9th International Conference in Software Engineering Research | 2021 |



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| Coello-Guilarte L., Ortega-Mendoza R.M., Villaseñor-Pineda L., Montes-y-Gómez M. (2019) Crosslingual Depression Detection in Twitter Using Bilingual Word Alignments. In: Crestani F. et al. (eds) Experimental IR Meets Multilinguality, Multimodality, and Interaction. CLEF 2019. Lecture Notes in Computer Science, vol 11696. Springer, Cham. https://doi.org/10.1007/978-3-030-28577-7_2 | CLEF | 2019 |
| Ortega-Mendoza, R.M., Hernández Farías, D.I., Montes-Y-Gómez, M. (2019). LTL-INAOE's participation at Erisk 2019: Detecting anorexia in social media through shared personal information. CEUR Workshop Proceedings,2380. http://ceur-ws.org/Vol-2380/paper_75.pdf | CEUR Workshop Proceedings | 2019 |
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| Ortega-Mendoza, R. M., & López-Monroy, A. P. (2018, September). The Winning Approach for Author Profiling of Mexican Users in Twitter at MEX. A3T@ IBEREVAL-2018. In IberEval@ SEPLN (pp. 140-148). http://ceur-ws.org/Vol-2150/MEX-A3T_paper8.pdf | IBEREVAL | 2018 |
| Ortega-Mendoza, Rosa María, et al. "PEIMEX at eRisk 2018: Emphasizing Personal Information for Depression and Anorexia Detection." CLEF (Working Notes). 2018. | CLEF | 2018 |
| V. Y. Hernandez Marquez, R. S. Nunez Cruz, J. M. Ibarra Zannatha and C. Enriquez Ramirez, "Optimal trajectories generation for autonomous navigation tasks in mobile robots," 2018 15th International Conference on Electrical Engineering, Computing Science and Automatic Control (CCE), 2018, pp. 1-6, doi: 10.1109/ICEEE.2018.8533936 . | 15th International Conference on Electrical Engineering, Computing Science and Automatic Control | 2018 |
| Guerrero, J., Antonio, E., Manzanilla, A., Torres, J. y Lozano. "Autonomous Underwater Vehicle Robust Path Tracking: Auto-Adjustable Gain High Order Sliding Mode Controller". 2018. IFAC Conference Paper Archive, Elsevier 51-13, págs. 161-166. | IFAC Conference Paper Archive | 2018 |
| Ortega-Mendoza R.M., Franco-Arcega A., López-Monroy A.P., Montes-y-Gómez M. (2016) I, Me, Mine: The Role of Personal Phrases in Author Profiling. In: Fuhr N. et al. (eds) Experimental IR Meets Multilinguality, Multimodality, and Interaction. CLEF 2016. Lecture Notes in Computer Science, vol 9822. Springer, Cham. https://doi.org/10.1007/978-3-319-44564-9_9 | CLEF | 2016 |
| S. M. Orozco-Soto, R. S. Núñez-Cruz and J. M. Ibarra-Zannatha, "Active Disturbance Rejection Control for humanoid stable walking," 2016 13th International Conference on Electrical Engineering, Computing Science and Automatic Control (CCE), 2016, pp. 1-6, doi: 10.1109/ICEEE.2016.7751242 | 13th International Conference on Electrical Engineering, Computing Science and Automatic Control | 2016 |