

Artículos de congreso

Cantidad de artículos publicados en memorias de congreso clasificados por LGAC y su aportación a ciencia básica o aportación tecnológica. (artículos en colaboración)

Artículos publicados en memorias de congreso clasificados por LGAC.

| LGAC | Autor | Ciencia básica | Aplicación tecnológica |
|---------------------------------|--|----------------|------------------------|
| Ciencias de la computación | Díaz Pérez Arturo | 0 | 4 |
| Ciencias de la computación | González Torres Raúl Ernesto | 1 | 0 |
| Ciencias de la computación | López Mellado Luis Ernesto | 14 | 0 |
| Ciencias de la computación | Méndez Vázquez Andrés | 0 | 3 |
| Ciencias de la computación | Ramos Corchado Félix Francisco | 6 | 0 |
| Ciencias de la computación | Siller González Pico Mario Ángel | 10 | 0 |
| Cátedras CONACYT | Rivera Domínguez Jorge | 22 | 2 |
| Control automático | Bayro Corrochano Eduardo José | 14 | 2 |
| Control automático | Begovich Mendoza Ofelia | 17 | 0 |
| Control automático | Loukianov Alexandre | 34 | 0 |
| Control automático | Ramírez Treviño Antonio | 17 | 2 |
| Control automático | Ruiz León José Javier | 12 | 0 |
| Control automático | Sánchez Camperos Edgar Nelson | 26 | 0 |
| Control automático | Sánchez Carmona Arturo Del Sagrado Corazón | 33 | 0 |
| Control automático | Castillo Toledo Bernardino | 2 | 1 |
| Diseño electrónico | Leyva Montiel José Luis | 0 | 1 |
| Diseño electrónico | Loo Yau José Raúl | 8 | 15 |
| Diseño electrónico | Ortega Cisneros Susana | 26 | 7 |
| Diseño electrónico | Sandoval Ibarra Federico | 0 | 23 |
| Diseño electrónico | Del Valle Padilla Juan Luis | 2 | 0 |
| Sistemas eléctricos de potencia | Cañedo Castañeda José Manuel | 6 | 2 |
| Sistemas eléctricos de potencia | Moreno Villalobos Pablo | 0 | 1 |
| Sistemas eléctricos de potencia | Naredo Villagrán José Luis Alejandro | 11 | 0 |
| Sistemas eléctricos de potencia | Ramírez Arredondo José Juan Manuel | 10 | 2 |
| Sistemas eléctricos de potencia | Ramírez Vázquez Amner Israel | 17 | 0 |
| Sistemas eléctricos de potencia | Román Messina Arturo | 13 | 0 |
| Telecomunicaciones | Mejía Álvarez Pedro | 0 | 0 |
| Telecomunicaciones | Parra Michel Ramón | 18 | 0 |
| Telecomunicaciones | Torres Román Deni Librado | 12 | 0 |

| LGAC | Autor | Ciencia básica | Aplicación tecnológica |
|------|-------|----------------|------------------------|
| | TOTAL | 323 | 61 |

Listado completo de publicaciones en memorias de congreso.

- Peña, P. I. S., & Torres, R. E. G. (2016, September). Authenticated Encryption based on finite automata cryptosystems. In *2016 13th International Conference on Electrical Engineering, Computing Science and Automatic Control (CCE)* (pp. 1-6). IEEE.
- Tapia-Flores, T., Rodríguez-Pérez, E., & López-Mellado, E. (2016). Discovering Process Models from Incomplete Event Logs using Conjoint Occurrence Classes. In *ATAED@ petri nets/ACSD* (pp. 31-46).
- Rodríguez-Pérez, E., Tapia-Flores, T., & López-Mellado, E. (2016). Identification of timed discrete event processes. building input-output petri net models. *work*, 16, 17.
- Tapia-Flores, T., & López-Mellado, E. (2016, November). Inferring the Repetitive Behaviour from Event Logs for Process Mining Discovery. In *International Conference on Mining Intelligence and Knowledge Exploration* (pp. 164-173). Springer, Cham.
- Carlos-Mancilla, M., López-Mellado, E., & Siller, M. (2016, November). An agent-based framework for multi-sink wireless sensor networks. In *Proceedings of the Sixteenth Mexican International Conference on Computer Science* (pp. 1-4).
- Martínez-Araiza, U., & López-Mellado, E. (2016). CTL model repair for inter-organizational business processes modelled as oWFN. *IFAC-PapersOnLine*, 49(2), 6-11.
- Siller Gonzalez Pico, Mario Angel, An Automated Indoor Low-Cost Greenhouse System for Research and Domestic Usage, Impact and Advances of Automatic Control in Latinamerica; ISBN: 978-958-8483-34-4
- Félix, G., Siller, M., & Alvarez, E. N. (2016, July). A fingerprinting indoor localization algorithm based deep learning. In *2016 eighth international conference on ubiquitous and future networks (ICUFN)* (pp. 1006-1011). IEEE.
- Siller, M., & Stibe, A. (2016). Programmable Cities: A New ICT Approach. In *ECSW@ PERSUASIVE*.
- Jiménez-Rodríguez, E., Sánchez-Torres, J. D., Gómez-Gutiérrez, D., & Loukianov, A. G. (2016, September). Predefined-time tracking of a class of mechanical systems. In *2016 13th International Conference on Electrical Engineering, Computing Science and Automatic Control (CCE)* (pp. 1-5). IEEE.
- Kuiz-Duarte, J. E., & Loukianov, A. G. (2016, September). Arbitrary references output tracking in linear systems. In *2016 13th International Conference on Electrical Engineering, Computing Science and Automatic Control (CCE)* (pp. 1-6). IEEE.
- Ley-Rosas, J. J., González-Jiménez, L. E., Loukianov, A. G., & Ruiz-Duarte, J. E. (2016, December). Robust observer-based sliding mode controller for vehicles with roll dynamics. In *2016 IEEE 55th Conference on Decision and Control (CDC)* (pp. 740-745). IEEE.
- Caballero-Barragán, H., Osuna-Ibarra, L. P., & Loukianov, A. G. (2016, December). Dynamic predictor for linear time-delay systems with disturbances. In *2016 IEEE 55th Conference on Decision and Control (CDC)* (pp. 2290-2295). IEEE.
- Sánchez-Torres, J. D., Jiménez-Rodríguez, E., Gómez-Gutiérrez, D., & Loukianov, A. (2016). Non-singular predefined-time stable manifolds.
- Almeida, J. M., Loukianov, A. G., & Castañeda, J. M. C. (2016, November). Passive observer-based control of synchronous generator. In *2016 IEEE International Autumn Meeting on Power, Electronics and Computing (ROPEC)* (pp. 1-6). IEEE.
- Altamirano-Gómez, G., & Bayro-Corrochano, E. (2016, December). Conformal Geometric Algebra method for detection of geometric primitives. In *2016 23rd International Conference on Pattern Recognition (ICPR)* (pp. 4190-4195). IEEE.

17. Campos-Macias, L., Carbajal-Espinosa, O., Loukianov, A., & Bayro-Corrochano, E. (2016, November). Stabilization method for dynamic gait in bipedal walking robots. In *2016 IEEE-RAS 16th International Conference on Humanoid Robots (Humanoids)* (pp. 1276-1281). IEEE.
18. Carbajal-Espinosa, O., Izar-Bonilla, F., Díaz-Rodríguez, M., & Bayro-Corrochano, E. (2016, November). Inverse kinematics of a 3 DOF parallel manipulator: a conformal geometric algebra approach. In *2016 IEEE-RAS 16th International Conference on Humanoid Robots (Humanoids)* (pp. 766-771). IEEE.
19. Bayro Corrochano Eduardo Jose, Quaternion Spike Neural Networks, In Proceedings, of the 13th International Symposium on Neural Networks. ISNN 2016
20. Lara-Rodriguez, G., Begovich, O., & Naredo, J. L. (2016, November). Effect of Vibrations on the Performance of a Centrifugal Pump-Impeller When Using a Variable Frequency Drive. In *ASME International Mechanical Engineering Congress and Exposition* (Vol. 50671, p. V013T01A010). American Society of Mechanical Engineers.
21. Delgado-Aguinaga, J. A., Begovich, O., & Besancon, G. (2016, October). Varying-parameter modeling and extended Kalman filtering for reliable leak diagnosis under temperature variations. In *2016 20th International Conference on System Theory, Control and Computing (ICSTCC)* (pp. 632-637). IEEE.
22. Casas-Carrillo, R., Begovich, O., Ruiz-León, J., & Čelikovský, S. (2016, September). Adaptive Fault Diagnoser based on PSO algorithm for a class of Timed Continuous Petri Nets. In *2016 IEEE 21st International Conference on Emerging Technologies and Factory Automation (ETFA)* (pp. 1-7). IEEE.
23. Begovich Mendoza Ofelia, Greenhouse Temperature Modeling and Control Based on Timed Continuous Petri Nets, Proceedeengs of Latin American Conference on Automatic Control
24. Begovich Mendoza Ofelia, An Automated Indoor Low-Cost Greenhouse System for Research and Domestic Usage, Proceedings of Latin American Conference on Automatic Control
25. Pérez-González, A., Begovich, O., & Ruiz-León, J. (2016). Evolutive extension: a biological approach to heuristic algorithms. In *Proceedings of the Latin American Conference on Automatic Control, XVII CLCA* (pp. 373-378).
26. Badillo-Olvera, A., Begovich, O., & Pérez-González, A. (2017). Leak isolation in pressurized pipelines using an interpolation function to approximate the fitting losses. In *Journal of Physics: Conference Series* (Vol. 783, No. 1, p. 012012). IOP Publishing.
27. Carvajal-Rubio, J. E., & Begovich, O. (2016, September). Bank of leak diagnosis algorithms for pressurized pipelines. In *2016 13th International Conference on Electrical Engineering, Computing Science and Automatic Control (CCE)* (pp. 1-6). IEEE.
28. Desirena-López, G., Vázquez, C. R., Briz, J. L., Ramírez-Treviño, A., & Gómez-Gutiérrez, D. (2016, May). On-line scheduling in multiprocessor systems based on continuous control using timed continuous petri nets. In *2016 13th International Workshop on Discrete Event Systems (WODES)* (pp. 278-283). IEEE.
29. Fraustro, J. A., Ruiz-León, J., Vázquez, C. R., & Ramírez-Treviño, A. (2016, May). Structural fault diagnosis in timed continuous Petri Nets. In *2016 13th International Workshop on Discrete Event Systems (WODES)* (pp. 159-164). IEEE.
30. Navarro-Gutiérrez, M., Ramírez-Treviño, A., & Silva, M. (2016, May). Discontinuities and non-monotonicities in mono-T-semiflow timed continuous Petri nets. In *2016 13th International Workshop on Discrete Event Systems (WODES)* (pp. 493-500). IEEE.
31. Navarro-Gutiérrez, M., Ramírez-Treviño, A., & Silva, M. (2016, September). On the duality between firing rate and initial marking variations in TCPN. In *2016 IEEE 21st International Conference on Emerging Technologies and Factory Automation (ETFA)* (pp. 1-8). IEEE.
32. Antonio-Toledo, M. E., Sánchez, E. N., & Alanís, A. Y. (2016, July). Robust neural decentralized control for a quadrotor UAV. In *2016 International Joint Conference on Neural Networks (IJCNN)* (pp. 714-719). IEEE.
33. Quintero-Manríquez, E., Sánchez, E. N., & Félix, R. A. (2016, July). Induction motor torque control via discrete time sliding mode. In *2016 World Automation Congress (WAC)* (pp. 1-5). IEEE.

34. Lastire-Olmedo, E. A., Sanchez, E. N., Alanis, A. Y., & Ornelas-Tellez, F. (2016, July). Robustness of discrete-time inverse optimal control for trajectory tracking. In *2016 World Automation Congress (WAC)* (pp. 1-6). IEEE.
35. Sierra, O. J. S., García, A. P., & Sánchez, E. N. (2016, July). Intelligent control for the exciter of a synchronous machine with closed loop voltage. In *2016 World Automation Congress (WAC)* (pp. 1-6). IEEE.
36. . Sanchez Camperos Edgar Nelson, Optimal Power Dispatch in a Microgrid, pp 292 – 297, Proceedings of the IFAC XVII Latin American Conference on Automatic Control (CLCA). Medellín, Colombia, October 13-15, 2016.
37. . Sanchez Carmona Arturo Del Sagrado Corazon, Olive tree pruning as feedstock for co-producing antioxidants and bioethanol in an advanced biorefin, Proc. 24th European Biomass Conference and Exhibition
38. Marmolejo-Correa, D., Hernandez-Hoyos, M., Molina, C., Sanchez, A., & Guerra, C. C. Advances on Exergy Targeting of a Biofuel Plant.
39. Sanchez Carmona Arturo Del Sagrado Corazón, Production of Bioethanol from Lignocellulosic Biomass in Mexico: Evaluation on Technical Potential and the Analysis of Two Biorefinery Configurations, Bioprocess & Biomedical Engineering Applications Session 190k 2016 Annual Meeting
40. Pulido-Gaytán, M. A., Reynoso-Hernández, J. A., Maya-Sánchez, M. C., & Loo-Yau, J. R. (2016, May). Calibration of a real-time load-pull system using the generalized theory of the TRM technique. In *2016 87th ARFTG Microwave Measurement Conference (ARFTG)* (pp. 1-4). IEEE.
41. Rentería-Cedano, J., Pérez-Wences, C., Aguilar-Lobo, L. M., Loo-Yau, J. R., Ortega-Cisneros, S., Moreno, P., & Reynoso-Hernández, J. A. (2016, October). A novel configurable FPGA architecture for hardware implementation of multilayer feedforward neural networks suitable for digital pre-distortion technique. In *2016 46th European Microwave Conference (EuMC)* (pp. 854-857). IEEE.
42. . Loo Yau José Raúl, A compact and reliable methodology to design oscillator at S-band frequencies suitable for satellite, 67th International Astronautical Congress (IAC)
43. Malfavaun-González, E. J., Pulido-Gaytán, M. A., Urbina-Martínez, J., Figueroa-Reséndiz, B. E., Loo-Yau, J. R., Maya-Sánchez, M. C., & Reynoso-Hernández, J. A. (2016, December). Improved Envelope Load Pull system for high power transistors characterization. In *2016 IEEE MTT-S Latin America Microwave Conference (LAMC)* (pp. 1-3). IEEE.
44. Calderón-Preciado, D., Sandoval-Ibarra, F., García-Sánchez, J. G., & Ortega-Cisneros, S. (2016, June). Analysis of an OTA/output stage for a SC integrator in a Hybrid $\Sigma\Delta$ Modulator. In *2016 IEEE Biennial Congress of Argentina (ARGENCON)* (pp. 1-4). IEEE.
45. Ortega Cisneros Susana, Plataforma de Verificación para Circuitos Digitales basada en Dispositivos Reconfigurables, JORNADAS DE COMPUTACION EMPOTRADA Y RECONFIURABLE (JCER2016)
46. Siordia, F. V., Panduro, J. J. R., Álvarez, E. C. B., Cisneros, S. O., & Domínguez, J. R. (2016, September). Architecture design to optimize multipliers in FPGAs based on Maya multiplying method. In *2016 IEEE Central America and Panama Student Conference (CONESCAPAN)* (pp. 1-5). IEEE.
47. Gutiérrez-Melo, J. A., Raygoza-Panduro, J. J., Barrios, S., Pena, A., & Ortega-Cisneros, S. (2016, September). Design and implementation of a module to obtain a lagrange interpolating polynomial in a FPGA. In *2016 IEEE Central America and Panama Student Conference (CONESCAPAN)* (pp. 1-6). IEEE.
48. Saenz, S. J., Cisneros, S. O., & Domínguez, J. R. (2015, November). FPGA design and implementation of radix-2 fast Fourier transform algorithm with 16 and 32 points. In *2015 IEEE International Autumn Meeting on Power, Electronics and Computing (ROPEC)* (pp. 1-6). IEEE.
49. Rivera Domínguez Jorge, Plataforma de verificación para circuitos digitales basada en dispositivos reconfigurables, Actas Jornadas Sarteco
50. Urbina-Martínez, J. L., Figueroa-Reséndiz, B., Loo-Yau, J. R., Moreno, P., & Reynoso-Hernández, J. A. (2016, December). Second harmonic suppression band-pass filter based on a modified 1 st order

- microstrip coupled line. In *2016 IEEE MTT-S Latin America Microwave Conference (LAMC)* (pp. 1-4). IEEE.
51. Carlos, R. R., Naredo, J. L., Michel, R. P., & Longoria, O. (2016, December). A high-speed interconnect-model in s-domain. In *2016 IEEE MTT-S Latin America Microwave Conference (LAMC)* (pp. 1-4). IEEE.
 52. Castañón, L. J., Zuluaga, J. R., & Naredo, J. L. (2016, September). Numerical laplace inversion methods for electromagnetic transient simulations. In *2016 North American Power Symposium (NAPS)* (pp. 1-6). IEEE.
 53. Galván, V. A., Martí, J. R., Dommel, H. W., Gutiérrez-Robles, J. A., & Naredo, J. L. (2016, June). MATE multirate modelling of power electronic converters with mixed integration rules. In *2016 Power Systems Computation Conference (PSCC)* (pp. 1-7). IEEE.
 54. Paternina, M. R. A., Ramírez, J. M., & Zamora, A. (2016, July). Model order reduction of large scale power system by modal decomposition. In *2016 IEEE Power and Energy Society General Meeting (PESGM)* (pp. 1-5). IEEE.
 55. Jiménez, T. R., Ibarra, N. C., & Ramírez, J. M. (2016, September). Main motor controllers and regenerative braking of an electric vehicle. In *2016 IEEE PES Transmission & Distribution Conference and Exposition-Latin America (PES T&D-LA)* (pp. 1-6). IEEE.
 56. Zamora, A., Venkatasubramanian, V., Ramírez, J. M., & Paternina, M. R. A. (2016, September). Novel approaches for multi-channel ringdown analysis using digital filters. In *2016 IEEE PES Transmission & Distribution Conference and Exposition-Latin America (PES T&D-LA)* (pp. 1-6). IEEE.
 57. Torres, S., Esponda, H., Andrade, M., Vázquez, E., Paternina, M. R. A., Zamora, A., & Ramírez, J. M. (2016, September). Unblocking function of distance relay during power swing based on modal analysis. In *2016 IEEE PES Transmission & Distribution Conference and Exposition-Latin America (PES T&D-LA)* (pp. 1-6). IEEE.
 58. Lopez, P., & Ramirez, A. (2016, September). Sample-reduced frequency-domain approach for transient and steady-state computation of switched networks. In *2016 North American Power Symposium (NAPS)* (pp. 1-6). IEEE.
 59. Grimaldo, G., & Ramirez, A. (2016, September). Efficient harmonic-based simulation of switched networks linked to nonlinear circuits. In *2016 North American Power Symposium (NAPS)* (pp. 1-6). IEEE.
 60. Morales, J., Ramirez, A., & Combariza, G. (2016, October). Computation of stationary state of grid-tied photovoltaic systems via harmonic domain. In *2016 17th International Conference on Harmonics and Quality of Power (ICHQP)* (pp. 237-242). IEEE.
 61. Vargas, U., & Ramirez, A. (2016, October). Reduced-order extended harmonic domain modeling of switched networks. In *2016 17th International Conference on Harmonics and Quality of Power (ICHQP)* (pp. 581-586). IEEE.
 62. Medina, E., & Ramirez, A. (2016, October). SVD-based reduced-order rational approximation for EMT analysis. In *2016 IEEE Electrical Power and Energy Conference (EPEC)* (pp. 1-6). IEEE.
 63. Zavala, A. J., & Messina, A. R. (2016, September). Dynamic harmonic regression approach to wind power generation forecasting. In *2016 IEEE PES Transmission & Distribution Conference and Exposition-Latin America (PES T&D-LA)* (pp. 1-6). IEEE.
 64. Rergis, C. M., Messina, A. R., & Betancourt, R. J. (2016, September). Fourier-based accurate reduced-order model for linear power systems applications. In *2016 IEEE PES Transmission & Distribution Conference and Exposition-Latin America (PES T&D-LA)* (pp. 1-6). IEEE.
 65. Hernández, M., & Messina, A. R. (2016, September). Koopman mode analysis of very large datasets: Numerical experience. In *2016 IEEE PES Transmission & Distribution Conference and Exposition-Latin America (PES T&D-LA)* (pp. 1-6). IEEE.
 66. Golpîra, H., Seifi, H., Messina, A. R., & Haghifam, M. R. (2016). Maximum penetration level of microgrids in large-scale power systems: Frequency stability viewpoint. *IEEE Transactions on Power Systems*, 31(6), 5163-5171.

67. Arvizu, C. M., & Messina, A. R. (2016). Dimensionality reduction in transient simulations: A diffusion maps approach. *IEEE Transactions on Power Delivery*, 31(5), 2379-2389.
68. Arvizu, C. M., & Messina, A. R. (2016, September). Extraction of spatiotemporal patterns from measured data via adaptive Laplacian eigenfunctions. In *2016 IEEE PES Transmission & Distribution Conference and Exposition-Latin America (PES T&D-LA)* (pp. 1-6). IEEE.
69. Arvizu, C. M., & Messina, A. R. (2016, July). Extraction of spatiotemporal patterns from measured data via nonlinear Laplacian spectral analysis. In *2016 IEEE Power and Energy Society General Meeting (PESGM)* (pp. 1-5). IEEE.
70. Sandoval-Arechiga, R., Parra-Michel, R., Vázquez-Ávila, J. L., Flores-Troncoso, J., & Ibarra-Delgado, S. (2016, March). Software Defined Networks-on-Chip for multi/many-core systems: A performance evaluation. In *Proceedings of the 2016 Symposium on Architectures for Networking and Communications Systems* (pp. 129-130).
71. Sandoval-Arechiga, R., Parra-Michel, R., Vázquez-Ávila, J. L., & Gea-García, B. I. (2016, March). NI+ router microarchitecture for NoC-based communication systems. In *Proceedings of the 2016 Symposium on Architectures for Networking and Communications Systems* (pp. 131-132).
72. Baena-Amador, M. I., Vela-García, L., Parra-Michel, R., & Castillo, J. V. (2016, June). A novel harmonic decomposition technique based on a windowing scheme for simulating Rayleigh fading channels. In *2016 IEEE International Symposium on Antennas and Propagation (APSURSI)* (pp. 2065-2066). IEEE.
73. Medina-Marín, L., Orozco-Lugo, A. G., Lara, M., Téllez-A, F., & Parra-Michel, R. (2016, December). The packet arrival model and separation algorithm for an MPR-aware 802.11 DCF MAC protocol. In *2016 IEEE MTT-S Latin America Microwave Conference (LAMC)* (pp. 1-3). IEEE.
74. Parra Michel Ramón, A High-Speed Interconnect-Model in Laplace Domain, *Proceedings of the IEEE MTT-S Latin America Microwave Conference*
75. TORRES ROMAN DENI LIBRADO, A parallel implementation of One-Sided Jacobi SVD for non-symmetric squared matrices on a high-perfo, *IEEE Electronics, Communications and Computers (CONIELECOMP)*, 2016 International Conference
76. del Campo, G. D. M., Shkvarko, Y. V., & Román, D. L. T. (2016, December). Multi-polarimetric SAR adapted virtual beamforming-based techniques for feature enhanced tomography of forested areas. In *2016 IEEE MTT-S Latin America Microwave Conference (LAMC)* (pp. 1-3). IEEE.
77. López-Mellado, E., & Flores-Tapia, T. (2017). Refining Discovered Petri Nets by Sequencing Repetitive Components. In *ATAED@ Petri Nets/ACSD* (pp. 131-138).
78. Ordoñez-García, A., Siller, M., & Begovich, O. (2017, November). IoT architecture for urban agronomy and precision applications. In *2017 IEEE International autumn meeting on power, electronics and computing (ROPEC)* (pp. 1-4). IEEE.
79. Lopez, H. J. D., Siller, M., & Huerta, I. (2017, September). Internet of vehicles: Cloud and fog computing approaches. In *2017 IEEE International Conference on Service Operations and Logistics, and Informatics (SOLI)* (pp. 211-216). IEEE.
80. Caballero-Barragán, H., Osuna-Ibarra, L. P., Sánchez, A., & Loukianov, A. G. (2017). Semi-empirical modelling and predictive tracking control of the mass flow in a pilot-scale tubular reactor. *IFAC-PapersOnLine*, 50(1), 11132-11137.
81. Romero, J. G., Ley-Rosas, J. J., Cisneros, R., González-Jiménez, L. E., & Loukianov, A. G. (2017). A globally exponentially convergent i&i observer for vehicles with roll dynamics. *IFAC-PapersOnLine*, 50(1), 3394-3399.
82. Gutiérrez-Alcalá, S., Loukianov, A. G., & Sánchez, E. N. (2017). State-constrained control of nonlinear systems in regular form. *IFAC-PapersOnLine*, 50(1), 11835-11840.
83. Loukianov, A. G., Caballero-Barragán, H., Osuna-Ibarra, L. P., & Plestan, F. (2017). Robust predictor-based control of uncertain linear systems with delay via integral sliding mode control. *IFAC-PapersOnLine*, 50(1), 9631-9636.

84. Osuna-Ibarra, L. P., Caballero-Barragán, H., Loukianov, A. G., & Bayro-Corrochano, E. (2017). Tracking Control for Electromechanical Systems Using Robust Discrete Time H^∞ . *IFAC-PapersOnLine*, 50(1), 11361-11366.
85. Jiménez-Rodríguez, E., Sánchez-Torres, J. D., & Loukianov, A. G. (2017). Predefined-time backstepping control for tracking a class of mechanical systems. *IFAC-PapersOnLine*, 50(1), 1680-1685.
86. Ruiz-Duarte, J. E., & Loukianov, A. G. (2017). Error-feedback robust causal output tracking for discrete-time linear systems. *IFAC-PapersOnLine*, 50(1), 14507-14512.
87. Jiménez-Rodríguez, E., Sánchez-Torres, J. D., Gómez-Gutiérrez, D., & Loukianov, A. G. (2017, May). Predefined-time stabilization of high order systems. In *2017 American Control Conference (ACC)* (pp. 5836-5841). IEEE.
88. Ruiz-Duarte, J. E., & Loukianov, A. G. (2017, May). Causal output tracking for discrete-time linear systems. In *2017 American Control Conference (ACC)* (pp. 1056-1061). IEEE.
89. Lara-Rodríguez, G., Begovich, O., & Naredo, J. L. (2017, July). Improving LPG Pump Efficiency by Considering Variant Physical-Properties of Liquefied Petroleum Gas. In *Fluids Engineering Division Summer Meeting* (Vol. 58042, p. V01AT04A005). American Society of Mechanical Engineers.
90. Begovich Mendoza Ofelia, A comparison between leak location methods based on the negative pressure wave, Proceedings of the 14 th International Conference on Electrical Engineering, Computing Science and Automatic Control (CCE)
91. Gutiérrez-Alcalá, S., Loukianov, A. G., & Sánchez, E. N. (2017). State-constrained control of nonlinear systems in regular form. *IFAC-PapersOnLine*, 50(1), 11835-11840.
92. Rivera-Acosta, M., Ortega-Cisneros, S., Góngora, M. C., Biswas, R., Rios, Y. Y., Sánchez, E. N., & García, F. J. (2017, November). Identification of the morphological defects present in the pattern of spermatozoa using a reconfigurable device. In *2017 IEEE International Autumn Meeting on Power, Electronics and Computing (ROPEC)* (pp. 1-5). IEEE.
93. Djilali, L., Sanchez, E. N., & Belkheiri, M. (2017, May). Discrete-time neural input output feedback linearization control for a DFIG based wind turbine. In *2017 6th International Conference on Systems and Control (ICSC)* (pp. 57-62). IEEE.
94. Loza-López, M. J., López-García, T. B., Ruiz-Cruz, R., & Sánchez, E. N. (2017, May). Neural control for a microgrid. In *2017 International Joint Conference on Neural Networks (IJCNN)* (pp. 880-887). IEEE.
95. Quintero-Manríquez, E., Sánchez, E. N., Harley, R. G., Li, S., & Felix, R. A. (2017). Neural sliding mode control for induction motors using rapid control prototyping. *IFAC-PapersOnLine*, 50(1), 9625-9630.
96. Djilali, L., Sanchez, E. N., & Belkheiri, M. (2017). Neural input output feedback linearization control of a DFIG based wind turbine. *IFAC-PapersOnLine*, 50(1), 11082-11087.
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