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J. A. Pérez González, G. J. Aguirre Soler , A. García Juárez , J. R. Noriega, L. A. García Delgado, I. E. Zaldívar Huerta	Design and implementation of a third-order Chebyshev bandpass microstrip filter with coupled lines for digital television	zaldivar@inaoep.mx	PID6070295
Adrián Vidal, Josué Domínguez, Arturo Macgluf, Estela Fernández, Aldo G. Vázquez, Andrea Martínez, Julio Tinoco	Analysis of energy consumption due to electrical charging gadgets within educational facilities.	avidal@uv.mx	PID6071659
L. Angel Camacho Campos, David Araujo Diaz, Jesús A. Martínez Nuño	Vehicles Location using Probabilistic Broadcasting in Mobile Ad Hoc Networks	lcamachoc1600@alumno.ipn.mx	PID6071827
Diego Santamaria-Guerrero, Karina Mejia-Flores, Luis Carlos Castro-Madrid, Rocio Toscano-Medina, Lidia Prudente-Tixteco, Jesus Olivares-Mercado, Karina Toscano-Medina, Gabriel Sanchez-Perez	Smoke Detection in Video using a Raspberry Pi	jolivares@ipn.mx	PID6077313
Rubén Villafuerte, Jesús Medina, Victorino Juárez, Erika Barojas, Rubén Abiud Villafuerte S.	An iterative method of constant slope for solution of nonlinear equations in electrical power systems	rubenv46@yahoo.com.mx	PID6082559
Luis Alejandro Gazca Herrera, Sergio Ignacio Parra Salmeron, Omar Zabala Arriola and Karina Culebro Castillo	Comparative study of competences in higher education students	lgazca@uv.mx	PID6082787
Carolina Gabriela Maldonado Méndez, Sergio Hernandez Mendez and José Daniel Hernández Ventura	Fall recognition system: a review	carolinamaldonadomendez@gmail.com	PID6085587
Oscar Ruíz, Juan Gonzalo Ardila-Marín, Quetzalcoatl Hernandez-Escobedo, Gerardo Alcalá	Energy Demand Assessment for water in the residential sector in Mexico	galcala@uv.mx	PID6086559
Gerardo García, Jorge Andaverde, José Herrera, Gerardo Alcalá, César Ramírez Gerardo Garcíaa, Jorge Andaverdeb, José Herreraab, Gerardo Alcalác, César Ramírezb	Implemented strategies for the saving of energy in a liquid sulfur tank: Case of the maritime terminal of Coatzacoalcas, Mexico	ramirez_cesard@hotmail.com	PID6087655

Carlos Hernández-Mejía, Sergio Hernández-Méndez, Ángel Corona-Avelizapa and Miguel Garrido-Grajales	Robotical Implementations of Collision-Free Path Planning for Terrestrial Systems using RGPPM	cmahernandez@gmail.com	PID6089147
Livia Ibette Jimenez-Raygoza, Agustin Santiago Medina-Vazquez and Griselda Perez-Torres	Guidance with Data Mining Proposal of a Computer System for Vocational	livia.jz.raygoza@outlook.com	PID6091587
Karen Mirón Galán, Jorge Arturo Del Ángel, Juan Marín Hernández and Jorge Arenas Del Ángel	Guidance with Data Mining EXERGETIC ANALYSIS OF A BRAYTON-STIRLING COMBINED CYCLE OPERATED WITH BIOGAS FROM A SWINE FARM	jdelangel@uv.mx	PID6091721
Daniel González-Esparza, Jesus A. Del Angel-Arroyo, Ernesto A. Elvira-Hernández, Luz Antonio Aguilera-Cortés and Agustín L. Herrera-May	Design and Modeling of a Microfluidic Device with Potential Application for Isolation of Circulating Tumor Cells	aaron22706@hotmail.com	PID6094825
Luis Alejandro Gazca Herrera, Sergio Ignacio Parra Salmeron, Guillermo Leonel Sánchez Hernández, Omar Zabala Arriola and Diana Ingrid Gaona Godos	Cross-sectional study of digital competences in the school trajectory of higher education students (E-skills)	lgazca@uv.mx	PID6094859
Luis Alejandro González Mondragón, Leidy Johana Quintero Rodríguez, José Roberto Warnes Lora, Jorge Rodríguez-Asomoza, Alejandro Garcia Juarez and Ignacio Enrique Zaldivar Huerta	Bandwidth Adjustment of a Microwave Filtered Signal by using an Optical Bandpass Filter	zaldivar@inaoep.mx	PID6094943
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Emmanuel Estrada, Miriam Moreno, Karina Martín, Álvaro Lemmen-Meyer and Sebastián Gutiérrez	Low Cost CO Detector Integrated with IoT	jsgutierrez@up.edu.mx	PID6103971
Juan Carlos Durón, Sebastián Gutiérrez and Francisco Rodríguez	Low Cost Greenhouse Monitoring System Based on Internet of Things	jsgutierrez@up.edu.mx	PID6105433
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Joseph Marin-Alvarez, Robert Poquioma-Ventura, Juan Lara-Herrera	Temperature detection system applied to an electrical substation in Lima Norte	josmarina@uch.pe	PID6106253

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Arturo G. Roa-Borbolla, Raul Torres Roa, Marco A. Aguilar-C., Jose L. Gutierrez-G., Reynaldo Dominguez Castillo, Luz G. Solano-Doblado	Indoor Fire Simulation with Avoidance Path Planning		PID6106965
Arturo G. Roa-Borbolla, Javier Garca-Narciso, Uxmal Sanchez Parra, Heriberto Hernandez-Rodriguez, Monica Ruiz-Martinez, Rosa M. Vega-Valera	Scenario Creation with Room Labelling: Iterative and Recursive Comparison	roba200319@gmail.com roba200319@gmail.com	PID6106971
Marlene Alejandra Domínguez Sucres, Sarahí Soledad Franco Pérez, Ilse Valeria Gómez Zavala, Diana Laura Infante Ramírez, Norma Ramírez Hernández	EOG-based interface and speech recognition for wheelchair control	norma.rhernandez@academicos.udg.mx	PID6108087
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Ruiz Gómez S., Valencia Salazar I., Guevara Infanzón J., López Riviello J.L.	Comparative of wind systems vs photovoltaic for the implementation in the electric network of Veracruz Port	ing-riviello@ieee.org	PID6109261
Rubén Rodríguez-Huerta, Jaime Martínez-Castillo, Enrique Morales-González, Agustín L. Herrera-May	Development of a Monitoring System for CO/CO2 with Android	leherrera@uv.mx	PID6109437
Carlos A. Ruiz, Yosseline Vargas Meza, Mariana Silva-Ortega, Mariano Azzur Hernández and José Hernández	Numerical Analysis of an Offshore Patrol Vessel to Work in the GoM Using the Finite Element Method	carlos_albertord@hotmail.com	PID6110299

Omar López-Rojas and Jesús García Guzmán	A review on quantum dot solar cells: properties, materials, synthesis and devices	omarlr@dhyt.mx	PID6111141
Andrea García-Cedeño, Juan Carlos Guillermo, Boris Barzallo, Catalina Punín, Angel Soto, David Rivas, Roger Clotet and Mónica Huerta	PLATANO: Intelligent Technological Support Platform for Azuay province Farmers in Ecuador	mhuerta@ups.edu.ec	PID6111631
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Jesus Briones-Concha, Luz Irene Pascual-Mathey, César Ignacio Beristain y Luz Alicia Pascual-Pineda	Design and characterization of liquid nanocapsules of rosemary oil (Rosmarinus officinalis L.)	lpascual@uv.mx	PID6112539
Alessandra Reyes-Flores, Carmen Mezura-Godoy, Edgard Benítez-Guerrero	Requirements Analysis for Tangible User Interfaces for Collaborative Use	itreyes@uv.mx	PID6112755
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Francisco Javier Gómez González, Iván Valencia Salazar and Ángel Pérez-Navarro Gómez	Comparison of Optimization Methods for Hybrid Renewable Energy Systems	fjgomezg@itver.edu.mx	PID6112849
Julio Muñoz-Benitez, Guillermo Molero-Castillo, Edgard Benítez-Guerrero, Everardo Bárcenas and Alejandro Velázquez	Data Fusion of Physical Variables as Bearing for User Thermal Comfort Analysis in Closed Environments	juliomunoz@uv.mx	PID6114241
Alfredo Ramírez-Ramírez, Víctor F. Jiménez-Reyes, Jorge A. Vélez-Enríquez, Simón Leal-Ortiz and Jesús García-Guzmán	Study of harmonic content and influence of common electrical appliances used in residential installations	jesusgarcia@ieee.org	PID6119189
Juan Fernando García-Mathey, Jesús García-Guzmán, and Luz Aurora García-Mathey	Perspectives of distributed and off-grid systems for the delivering of electricity to rural areas	jesusgarcia@ieee.org	PID6119191

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Abimael Escudero Osorio, Eddi A. García Sánchez, Gustavo Flores García, Sergio F. Hernández Machuca, Pablo S. Luna Lozano	Evaluation of Wireless Network Based on ZigBee Technology Using XBee Modules	abymael.wm@gmail.com	PID6125931
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Ignacio Sanchez, Victorino Juarez, Guadalupe Vivar, Nayeli Gutierrez, Luis Alberto Sanchez, Luis Alberto Sanchez, Concepcion Guillermin, Eduardo Baltazar	Production of biogas under thermophilic and mesophilic conditions of fruit and vegetable waste from the "Emiliano Zapata" market in Orizaba, Veracruz.	igsanchez@uv.mx	PID6137513
Lucero Guadalupe Dominguez Reyes, Leticia Cuellar Hernandez, Luis Julian Varela Lara, Sergio Francisco Hernandez Machuca, Jacinto Enrique Pretelin Canela	DEVELOPMENT OF A PROTOTYPE FOR OCULAR MONITORING WITH INFRARED LIGHT	lcuellar@uv.mx	PID6171273
Mario Gonzalez-Lee, Luis Javier Morales-Mendoza, Jesús Enrique Escalante-Martinez, Celia Maria Calderon-Ramon, Ivan Del Angel De Gaona Marquez., Marco Antonio Salas Moreno, Ludim Hernandez Cadenas and Rene Fabian Vazquez-Bautista	Decreasing False Positive Detection of Gaussian Watermarks by Means of Fractional Calculus Principles.	javmorales@uv.mx	PID6215533
Miguel Angel Pérez-Jiménez, Jaime Martínez-Castillo, Enrique Morales-González, Agustín L. Herrera-May	A Portable and Wireless System for Monitoring Hand Tremors in Parkinson's Disease Patients.	leherrera@uv.mx	PID6218015