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**Objective of Revista Facultad de Ingeniería**

“The principal objective of the *Revista Facultad de Ingeniería* is to promote the publication of original and unpublished articles derived from experimental research or from engineering simulations, developed by researchers and experts from national or international, public or private institutions.”

## Table of contents

EDITORIAL	7
Simulación de la propagación de pulsos ópticos en guías de ondas microestructuradas <i>Sonia Valbuena-Duarte, Francisco Racedo-Niebles</i>	9
Implications of heterogeneity on transport simulations at large scale: the Morroa aquifer case <i>Anibal Jose Pérez-García, Oscar García-Cabrejo, Nelson Obregón-Neira</i>	19
A reference ontology for harmonizing process-reference models <i>César Jesús Pardo-Calvache, Félix Oscar García-Rubio, Mario Piattini-Velthuis, Francisco José Pino-Correa, María Teresa Baldassarre</i>	29
Clasificación digital de masas nubosas a partir de imágenes meteorológicas usando algoritmos de aprendizaje de máquina <i>Salomón Einstein Ramírez-Fernández, Iván Alberto Lizarazo-Salcedo</i>	43
State estimation technique for a planetary robotic rover <i>Jamshed Iqbal, Misbahur Rehman-Saad, Ahsan Malik, Ahmad Mahmood-Tahir</i>	58
On the implementation of adaptive multiresolution spectral WENO scheme for the multiclass Lighthill-Whitham-Richards traffic model <i>Carlos Arturo Vega-Fuentes, Edwin Bolaño-Benítez</i>	69
Electrical energy conversion system design with single-phase inverter and H5 transformerless topology <i>Luis Gerardo González-Morales, Eliezer Colina-Morles, Pablo Vanegas-Peralta, Rodrigo Efraín Sempertegui-Álvarez</i>	79
Modelo estructural para evaluar las competencias del desarrollador de software <i>José Luis Cantú-Mata, José Segoviano-Hernández, Roberto Penilla-Leal, Raúl de Jesús Zurita-Alarcón</i>	90

Tools for the selection of the transmission probability in the cluster formation phase for Event-Driven Wireless Sensor Networks	101
<i>Mario Eduardo Rivero-Angeles, Izlian Yolanda Orea-Flores</i>	
Efecto del método de conformado sobre la densificación de piezas cerámicas de SnO <sub>2</sub>	111
<i>Yasser Halil Ochoa-Muñoz, Carol Julieth Aguilar-Paz, Jorge Enrique Rodríguez-Páez</i>	
A comparative study between Piecewise-Linear and Point-Based methodologies for galvanometer mirror systems	124
<i>Víctor Manuel Jiménez-Fernández, Héctor Vazquez-Leal, Uriel Filobello-Nino, Héctor H. Cerecedo-Nuñez, Patricia Padilla-Sosa, Luis Beltrán-Parrazal</i>	
Single-pixel optical sensing architecture for compressive hyperspectral imaging	134
<i>Hoover Fabián Rueda-Chacón, Cesar Augusto Vargas-García, Henry Arguello-Fuentes</i>	
Variable frequency harmonic vibration suppression using active vibration absorption	144
<i>Francisco Beltrán-Carbajal</i>	
Cálculo de la transmisión paralela helicoidal de la caja multiplicadora de una turbina eólica	157
<i>César Alberto Chagoyén-Méndez, Jorge Laureano Moya-Rodríguez, Constantina Álvarez-Peña, Yaidel Muñoz-Acosta</i>	
Two-electron energy levels in coupled nano-rings: the hydrostatic pressure and magnetic field effects	166
<i>Marlon Rincón-Fulla, Jairo Humberto-Marín, Yoder Alberto-Suaza</i>	
Influencia de la calidad de datos en la preferencia de los ciudadanos en aplicaciones de e-Government Municipal	176
<i>Claudia Loreto Fuentes-Moya, María Angélica Caro-Gutiérrez*, Alfonso Enrique Rodríguez-Ríos</i>	
Propiedades físicas y mecánicas de granos de <i>Jatropha curcas</i> cultivadas en Colombia	187
<i>Julio César Betancur-Prisco, Carolina Mira-Hernández, Luis Santiago París-Londoño</i>	

Modelo de cálculo de las emisiones difusas de gases de efecto invernadero procedentes del transporte. Análisis según variables de diseño urbanístico	200
<i>Sergio Zubelzu-Mínguez, Alfonso Isidro López-Díaz, Miguel Ángel Gutiérrez-García, Fernando Blanco-Silva</i>	
Impacto de la generación eólica en el despacho hidrotérmico de mediano plazo	214
<i>Sandro Ramos, María Victoria Ramírez-Martínez, Alejandro-Garcés</i>	
Photooxidation of anthracene under visible light with metalloxyphenylporphyrins	225
<i>Carlos Enrique Díaz-Uribe, William Andrés Vallejo-Lozada, Fernando Martínez-Ortega</i>	



## EDITORIAL

For ages, men have used writing to preserve and spread knowledge, which has allowed that generations and complete epochs have been able to be discovered and rediscovered by scientists, scholars, and researchers from all subsequent times. Scientific publications are “the machine of the time” that make the dialogue of sciences among different periods possible.

Spatial barriers have been overcome today thanks to the Information and Communication Technologies and also to the new possibilities of knowledge transfer that the modern world offers us nowadays; consequently, knowledge can be disseminated in seconds all around the world, thus allowing a constant dialogue in the academic community.

For 30 years, the *Revista de la Facultad de Ingeniería* has maintained its commitment of disseminating scientific and technological knowledge for the benefit of national and international academic community.

In our regional and national context there are few scientific journals which remain over time. Many publications have been born and have continued for some years, but they suddenly disappear due to diverse reasons, even without leaving a trace in history. It would be unfair to say that these publications ceased to exist because they were not good; no, there are many aspects that influence the permanent edition of a journal. But journals which have survived over time have definitely succeeded thanks to their rigorous processes of selection, edition, and to the good quality of their contents.

The history of our Engineering Journal includes key and important elements to the success of a journal of scientific dissemination. From the beginning, our journal has counted on committed, honest, and diligent directors and editorial boards with academic discipline who have undertaken the mission assigned by our institution with high responsibility.

We are talking about people who have transformed their own interests into the institutional concerns. These are the reasons that let us explain the continuous improvement of our journal, its national and international positioning, its recognition as a high quality journal among the academic community, and its increasing level of impact in the academic circles.

I would like to take advantage of this anniversary of the *Revista de Ingeniería* to thank the directors, starting with the founder director: Professor Oscar Piedrahita Yepes and the other directors: Professor Flavio Restrepo Cadavid, Professor Luis Fernando Mejía Vélez, professor German Urrego Giraldo, Professor Asdrúbal Valencia Giraldo, Professor Consuelo Montes de Correa, professor Teresita Betancur Vargas, and the current director, professor Maryory Astrid Gómez Botero. All of them have made significant contributions to the academic community in order to achieve their purpose of issuing a better journal than the one they received. Congratulations and thank you very much for your valuable labor.

Carlos Alberto Palacio Tobón  
Dean  
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