

Table of Contents

	<u>Page</u>
Application of Data Mining Techniques and Algorithms for the Detection of Breast Cancer	5
<i>José E. Zagal Solano, Miguel A. Ruiz Jaimes, Juan J. Flores Sedano, Mayra L. Bonilla Monzón, Gloria V. Urquiza Flores, Marco A. Valerio Reyes, Jorge A. Ruiz Vanoye</i>	
JaguarEye: Facial Recognition Web Service for Student Access to ITSCH	17
<i>Yotziri Paloma Pérez Ríos, Marco Julio Franco Mora, José Iraic Alcántar Alcántar, Mariela Chávez Marcial</i>	
Characterization of Dating in University Students through Grouping Techniques.....	29
<i>Maria Arely López Garrido, Erika Yunuen Morales Mateos, Diana López Hernández, María Isabel González Hernández, Carolina González Constantino, José Alberto Hernández Aguilar, Carlos Alberto Ochoa Ortiz</i>	
Design of Material Delivery Routes with Towing Equipment for the Automotive Sector Using a Von Neumann Topology of PSO under the Logistics 4.0 Paradigm	39
<i>Alma Luévano, Alberto Ochoa, Elías Carrum, Darwin Young, Pedro Pérez, Denisse Barzaga</i>	
Creation and Implementation of a Serious Game to Detect Depression in Young People and Children.....	53
<i>José Jimenez Peralta, Jaime del Angel, Alberto Ochoa, Antonio García Domínguez, Carlos E. Galván Tejada, Jorge I. Galván Tejada</i>	
Implementation of an Intelligent Model based on Big Data and Decision Making using Fuzzy Logic Type-2 for the Car Assembly Industry in an Industrial Estate in Northern Mexico.....	65
<i>José Luis Peinado Portillo, Carlos Alberto Ochoa, Sara Paivab, Darwin Young</i>	
Implementation of Big Data in Intelligent Analysis of Data from a Cluster of ROVs Associated with System of Prevention and Reparation of Hydrocarbon Leaks to Optimize their Distribution in Gulf of Mexico.....	73
<i>Raúl Mendez, Alberto Ochoa, Benjamín Zayas, Miguel Perez, Olivia Quintero</i>	

Preliminary Results of a Methodology for Measuring Pain Threshold Associated with Low Competitiveness in Industry.....	87
<i>Velia Chávez Sáenz, Vianey Torres Argüelles, Salvador Noriega, Alberto Ochoa</i>	
Demand Forecasting Applied to Radio Frequency IdentificationTechnology.....	97
<i>Verónica Reyes de Loza, Edgar Gonzalo Cossio Franco, Ana María Pescador Oñate</i>	
Portable Device as Vein and Artery Viewer in vivo and in situ	111
<i>Angélica Hernández Rayas, Eduardo Pérez Careta, Rafael Guzmán Cabrera, José Francisco Gómez Aguilar, Teodoro Córdova Fraga</i>	
Digital Diversions for Educational Recess: An Evaluation of Mood Reinforcements with Interactive Multimedia	119
<i>Tirtha Prasad Mukhopadhyay, Baidya Nath Saha, José Ruiz Pinales, Rafael Guzman Cabrera</i>	
Digital Circlism: Algorithm for Generation of Artistic Images by Human Computer Interface	135
<i>Tirtha Prasad Mukhopadhyay, José Ruiz Pinales, Rafael Guzmán Cabrera</i>	
Prototipo de sistema para la clasificación de reseñas de películas.....	145
<i>Abdiel Reyes-Vera, Francisco Javier Aguilar-Tecuapan, Juan Pablo Francisco Posadas-Durán, Grigori Sidorov</i>	
Detección de humor en tweets en español utilizando clasificadores de Scikit-learn	153
<i>Alexander Gelbukh, Francisco Hiram Calvo Castro, Mitzy Gabriela Sánchez Sánchez</i>	