# Detailed Program of the CIAPP 2022

## OCTOBER 24, 2022

All presentations are of 20 minutes and 10 for questions

| 9:00 - 10:00 | Invited Talk | Dr. Juan Arturo Nolazco Flores<br>"Title Pending"<br>Escuela de Ingeniería y Ciencias<br>Instituto Tecnológico de Monterrey |
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| Hour | Authors | Title |
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| 10:00 - 10:30 | José-Clemente Hernández-Hernández, Guillermo J Hoyos-Rivera, Efrén Mezura-Montes | Improving Text Representations: a Systematic Literature Review. |
| 10:30 - 11:00 | Madain Pérez-Patricio, Carlos-Alexis Ramírez-Mendoza, Juan-Antonio Osuna-Coutiño, Germán Ríos-Toledo | Proposal of a CNN-Based Approachfor Traffic Signal Detection. |
| 11:00 - 11:30 | Jesús-Arnulfo Barradas-Palmeros, Efrén Mezura-Montes, Héctor G Acosta-Mesa, Aldo Marquez-Grajales, Rafael Rivera-López | Induction of Convolutional Decision Tree with Differential Evolution for Image Segmentation. |
| 11:30 - 12:00 | **COFFE BREAK** | |
| 12:00 - 12:30 | Diana I Vazquez, Hector G Acosta-Mesa, Efrén Mezura-Montes | Vehicle and Model Recognition with Generation of New Classes using Clustering Techniques. |
| 12:30 - 13:00 | Sandra-Silvia Roblero-Aguilar, Joaquín Pérez-Ortega, Nancy N Salgado, Yasmín Y Hernández, Nelva-Nely Almanza-Ortega, Vanesa Landero-Najera. | HOK-Means: a Hybrid and Parallel Clustering Algorithm Oriented to Big Data. |
| 13:00 - 13:30 | José-Luis Llaguno-Roque, Rocío-Erandi Barrientos-Martínez, Héctor G Acosta-Mesa, Tania Romo-González | Western Blot Pattern Classification using Convolutional Neural Networks for Breast Cancer Diagnosis |

| 13:30 - 14:00 | María-Concepción Salvador-González, Juana Canul-Reich, Rafael Rivera-López, Efrén Mezura-Montes, Erick de la Cruz-Hernández | Selection of a Fixed-Lenght Set of Biologically-Constrained Association Rules for Bacterial Vaginosis Diagnosis |