

RESEARCH POSTERS OF MASTER THESIS

Escuela de Ciencias Sociales y Gobierno

La incidencia económica de los Impuestos Verdes en México

Participante: Carlos Ezequiel Medrano Barriga

Asesor: Héctor Juan Villarreal Páez

System of Crime: A Cross-sectional Study on Violence and Organized Crime

Participante: Miroslava Pérez González

Asesor: Filip Kostelka

Escuela de Ingeniería y Ciencias

A Framework for University Rankings Analysis and Prediction

Participantes: Ana Carmen Estrada Real y Francisco Javier Cantú Ortiz

Asesor: Francisco Javier Cantú Ortiz

A Lower Limb Exoskeleton for People with Sarcopenia

Participante: Javier Alberto de la Tejera de la Peña

Asesor: Martín Rogelio Bustamante Bello

A Mass-spring-damper System to Model the Evolution of Retail in Emerging Markets. A Case Study in Mexico City

Participantes: Camilo Andrés Mora Quiñonez y Leopoldo Eduardo Cárdenas Barrón

Asesor: Leopoldo Eduardo Cárdenas Barrón

A Novel Approach for Reliable Damage Detection using Modal Analysis

Participante: Edgar Josué Pacheco Chérrez

Asesor: Oliver Probst Oleszewski

A Novel BacMam Platform for African Swine Fever Vaccination

Participante: Manuel Alejandro Pérez López

Asesora: Marion Brunk

Algoritmo genético para la optimización de sistemas biomecátrónicos

Participante: Eric Emmanuel Sauvain Velez

Asesor: Joel Carlos Huegel West

Analysis and Implementation of a Quantum Perceptron Algorithm

Participante: Ariel Arturo Goubiah Gamboa Vázquez

Asesor: Neil Hernández Gress

Autonomous Flight Control of a Quadcopter using PIDs and an ADPRL Neuro-Controller

Participante: David Barragán Alcantar

Asesor: Michael Fairbank

Control of Differential Traction Mobile Robots for Soft Object Deformation

Participante: Javier Félix Rendón

Asesora: Rita Fuentes Aguilar

Decoding Movement Intention from Electroencephalographic Signals

Participantes: Héctor Guillermo Muñoz Michel, Omar Mendoza Montoya, PhD y Javier Mauricio Antelis Ortíz, PhD

Asesor: Javier Mauricio Antelis Ortiz

Desarrollo de un chocolate funcional para el desarrollo cognitivo en niños

Participante: Paulinna Faccinnetto Beltrán

Asesor: Daniel Jacobo Velázquez

Development of a Methodology for the Analysis and Evaluation of the Physiological and Emotional Response to Auditory Stimuli using Tools Applied in Emotional Home Automation

Participante: Gustavo Sebastián Navas Reascos

Asesor: Martín Rogelio Bustamante Bello

Diseño, ejecución y evaluación de experimento para el estudio de la atención basado en EEG

Participante: Angel Javier Valdez Rodríguez

Asesor: Omar Mendoza Montoya Co-asesor: Javier Mauricio Antelís

Evaluation of EEG Source Localization Methods for the Decoding of Motor Information

Participante: Roberto Alejandro Esparza Lepe

Asesor: Javier Mauricio Antelis Ortiz

Formulación de chocolate con omega 3 y probióticos para apoyar al tratamiento de la diabetes tipo 2

Participante: Andrea Rebeca Gómez Fernández

Asesor: Daniel Jacobo Velázquez

Frequency response of audio devices and its effect in electroencephalographic patterns

Participante: Norberto Emmanuel Naal Ruiz

Asesor: David Isaac Ibarra Zárate

Hybrid Recommender System for a Context Aware Recommendation in the Film Domain

Participante: Nora Patricia Hernández López

Asesor: Jorge Adolfo Ramírez Uresti

Implementation and validation of Tracking Control on a Real Large-Scale Manufacturing System

Participante: José Manuel Chávez Delgado

Asesor: Carlos Renato Vázquez Topete

Improvements on the Design of Collapsing Mechanism and Post-Processing of Pet-G 3d Prints of Honeycomb Cellular Structure for High Energy Absorption

Participante: Olimpia Basurto Vázquez

Asesora: Dora Iliana Medina Medina

Lowering the Cost of Ex Vivo Neutrophil Production by Immobilizing Stem Cell Factor during Cell Culture

Participante: Pedro Antonio Robles Ovalle

Asesora: Marion Brunk

Machine Learning Techniques for Automatic Evaluation and Classification of Pronunciation Level of Speakers in Language Practice Platforms

Participante: Evelyn Zuvirie Guzmán y Ramón Felipe Brena Pinero

Asesor: Ramón Felipe Brena Pinero

Modelación del sistema eléctrico nacional para la predicción del PML

Participante: Sosmar Rojas

Asesor: Armando Llamas

Modelo del sistema eléctrico nacional y predicción del precio marginal local

Participante: Andrés Salvador Ibarra Díaz

Asesor: Armando Llamas

Multi-Objective Optimisation Evolutionary Algorithm for Equality Constraint Handling

Participante: Jesus Leopoldo Llano García, Raúl Monroy Borja y Víctor Adrián Sosa Hernandez

Asesor: Raúl Monroy Borja Co-asesor: Víctor Adrián Sosa Hernandez

Ortesis de mano para rehabilitación con dos grados de libertad y tecnologías ubicuas

Participante: Iyari Alejandro Nava Téllez

Asesor: Milton Carlos Elías Espinosa

Promising Biomimetic PLA Implant Graft for Bone Tissue Regeneration with PVA Electrospun Nanofibers and Loaded with PLGA Xanthohumol Nanoparticles

Participante: Javier Vázquez Armendáriz

Asesor: Ciro Ángel Rodríguez

Propose Methodologies for Distributed Control Design in the Tracking Control Paradigm

Participante: Anibal Cid Gaona Bedolla

Asesor: Carlos Renato Vázquez Topete

Quantum Effects in Photosynthetic Light-harvesting Complexes

Participantes: Alan Ernesto Anaya Morales y Bruno González Soria

Asesor: Francisco Javier Delgado Cepeda

System for the Control of an Inhabitable Space to Improve the user's Quality of Life based on their Mood

Participante: Ariel Alejandro López Aguilar

Asesor: Martín Rogelio Bustamante Bello

Techno-economic Assessment of 100% Hydrogen Flow use in the Production of Direct Reduced Iron

Participante: Erick Xetiel Vega Del Pilar

Asesor: Alejandro Montesinos Castellanos

Teleportation with Two Quantum Channels in Superposition of Causal Order

Participante: Carlos Cardoso Isidoro

Asesor: Francisco Javier Delgado Cepeda

Validation of a Motion Tracking and Grasping Force Sensing System for Training in Laparoscopic Surgery

Participante: Luis Héctor Olivas Alanis

Asesor: Ciro Ángel Rodríguez

Escuela de Medicina y Ciencias de la Salud

Association of Plasma Fatty Acid Composition and Inflammation Markers in Children and Adolescents with Type 2 Diabetes Mellitus

Participante: Mariana Navarro Guerra

Asesora: Luz Leticia Elizondo Montemayor

Characterization of Neurophysiological Response of Neuropathic Pain in design Medical Technology for Monitoring Pain Experience

Participante: Daniela Montemayor Zolezzi

Asesora: Luz María Alonso Valerdi

Characterization of the Cytotoxic Mechanisms of Graphene Oxide and Reduced Graphene Oxide in Dysfunctional Cardiomyoblasts

Participante: Estefania Luna Figueroa

Asesor: Gerardo García Rivas

Genetic Profile Comparison of CD133+ Stem Cells Isolated from Different Tissues and Conditions

Participante: Jocelyn Nikita Campa Carranza

Asesora: Raquel Cuevas

Moderate Exercise Training effect on Skeletal Muscle Mitochondrial Dynamics and Mitochondrial Function in Obese Rats

Participante: Bianca Daniela Nieblas León

Asesora: Noemí García

Muscle Mass and Fat Mass changes could determine irisin concentration after Bariatric Surgery

Participante: Itzel Andrea Treviño Garza

Asesora: Luz Leticia Elizondo Montemayor

Piracetam y Terapia Binaural: Una Alternativa Integral para el Tratamiento del Acúfeno Crónico y Refractario

Participante: Alma Socorro Torres Torres

Asesora: Luz María Alonso Valerdi