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2025

STUDENT BEST PAPER AWARDS

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STUDENT BEST PAPER AWARDS

**“Day-Night Crime Transmission
Networks for Temporal
Urban Analysis”**

**Marisol Flores Garrido |
Valeria Garcés Mendoza**

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STUDENT BEST PAPER AWARDS

“Sign Language Recognition and Translation with Large Multimodal Models. A Systematic Review”

**Jaime González | Diana Córdova |
Juan Terven | Julio Romero**

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STUDENT BEST PAPER AWARDS

“Taming the LLM: Reliable Task Planning for Robotics using Parsing and Grounding”

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**Adán Flores | Emiliano Flores | Oscar Arreola |
Leonardo Llanas | Jocelyn Velarde | Diego
Hernández | Alejandra Coeto | Russel Bradley |
Erick Ramirez | Carlos Vazquez | Luis Muñoz**



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STUDENT BEST PAPER AWARDS

**“Rewarding Sentiment Consistency:
Reinforcement Learning for
Multilingual Summarization”**



**Mikhail Krasitskii | Olga Kolesnikova |
Liliana Chanona Hernandez | Grigori Sidorov |
Alexander Gelbukh**

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“Shadow Attenuation in UAV Multispectral Imaging for Enhanced Agave Segmentation”

**Diego Villatoro | Gildardo Sanchez |
Luis Falcon**

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“MICAI: 25 Years of AI in Mexico”

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**Edgar Avalos | Leon Palafox |
Lourdes Martínez**



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BEST PAPER AWARDS

“Vision Transformers for Kidney Stone Image Classification: A Comparative Study with CNNs”

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**Ivan Reyes | Francisco Lopez |
Clement Larose | Andres Mendez |
Gilberto Ochoa | Christian Daul**

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“Classification of Myelocytic Leukemia by Simple Convolutional Neural Networks with Structural Variants”

**Rocio Ochoa Montiel | Carlos Sánchez López |
Mauricio Hernández**

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CHALLENGE AWARDS

MeDA: Medical Domain Adaptation Classification

ORGANIZERS:



GILBERTO
OCHOA



IVÁN
REYES



PathMNIST



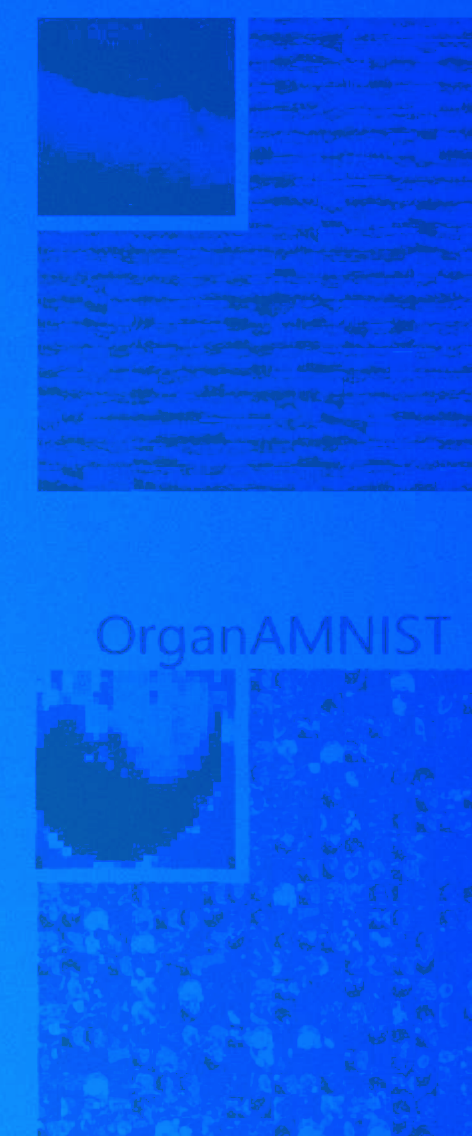
ChestMNIST



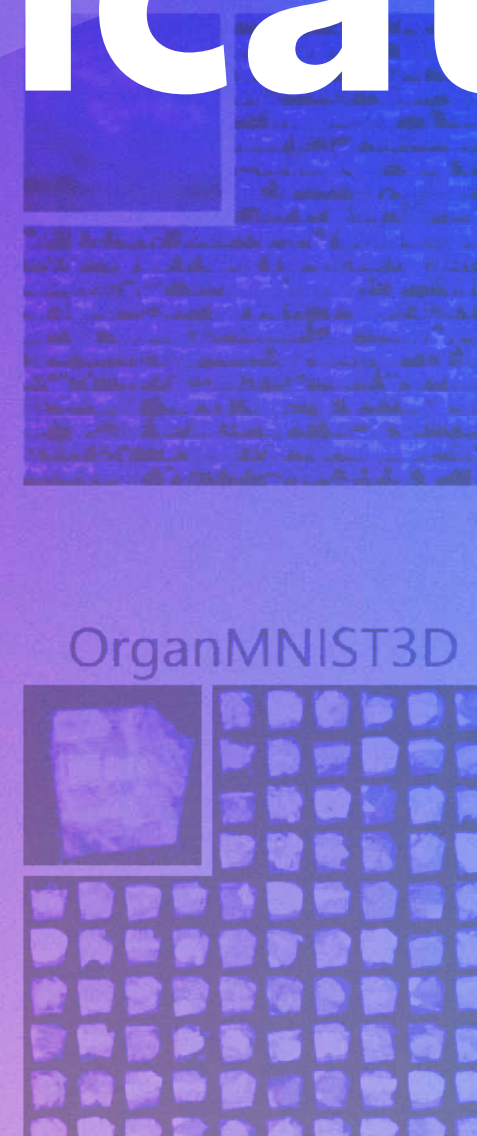
DermaMNIST



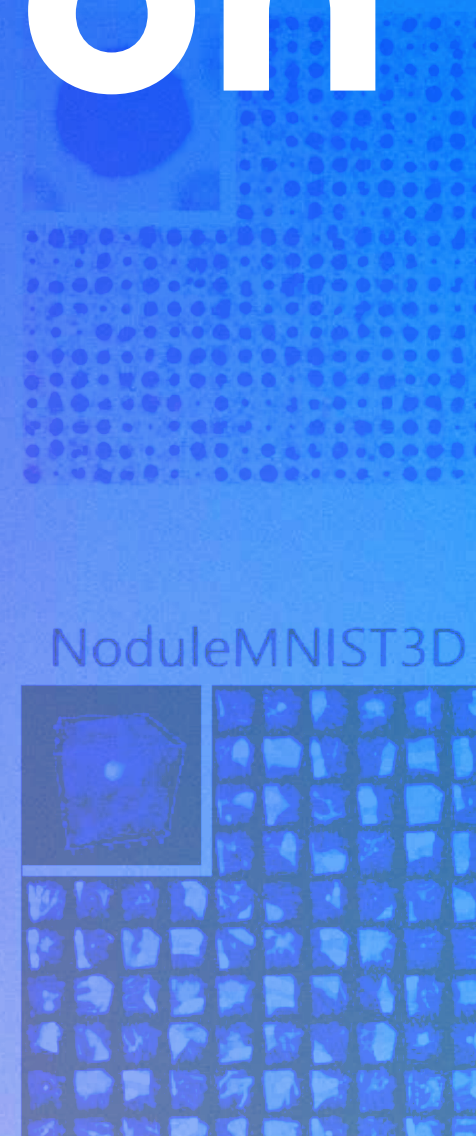
OCTMNIST



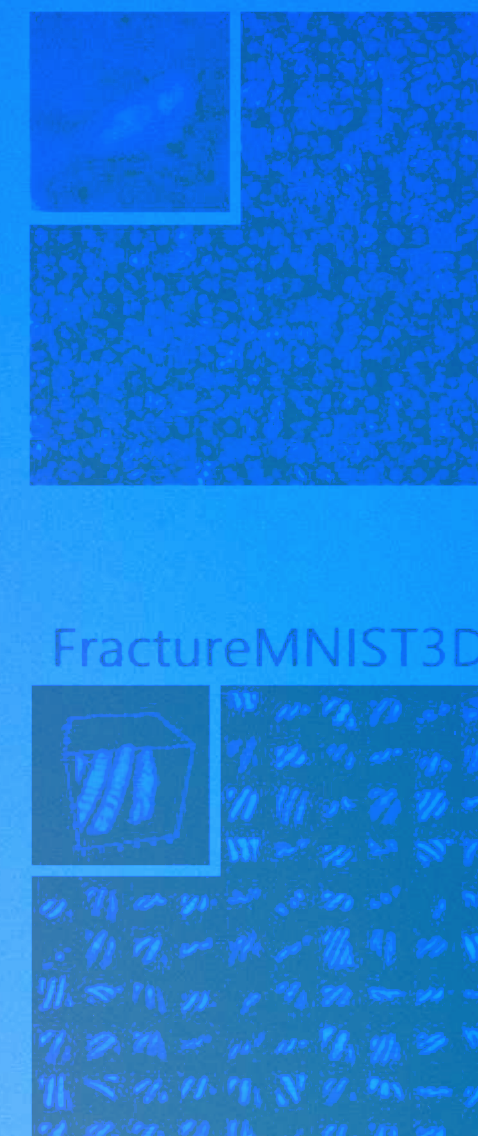
ChestMNIST3D



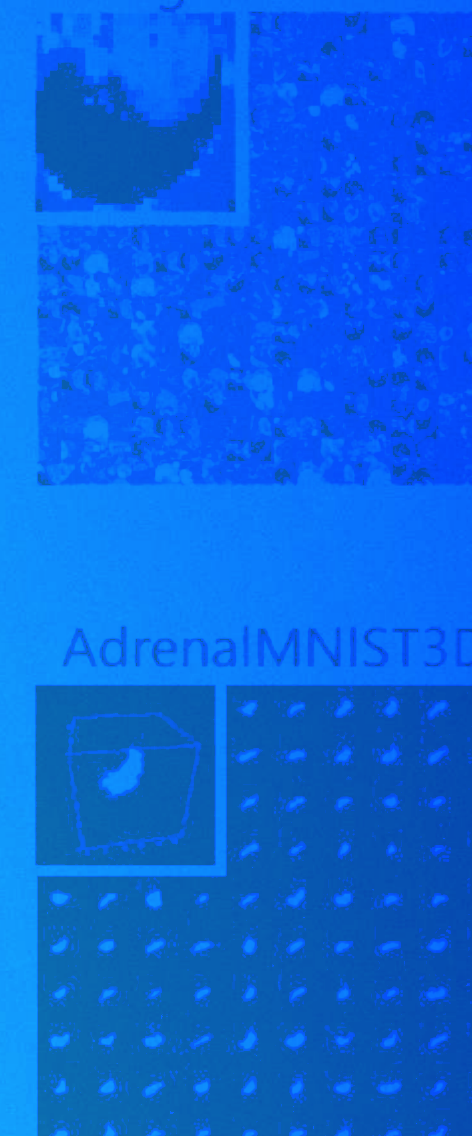
DermaMNIST3D



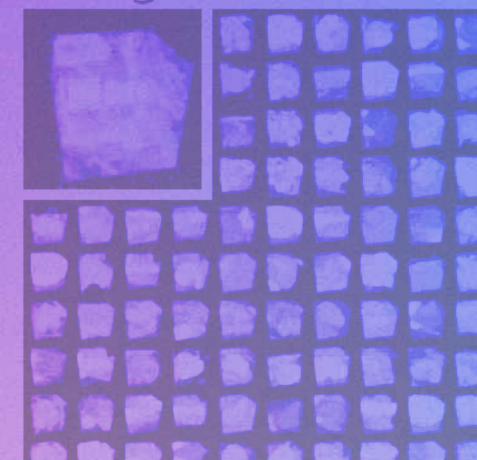
TissueMNIST



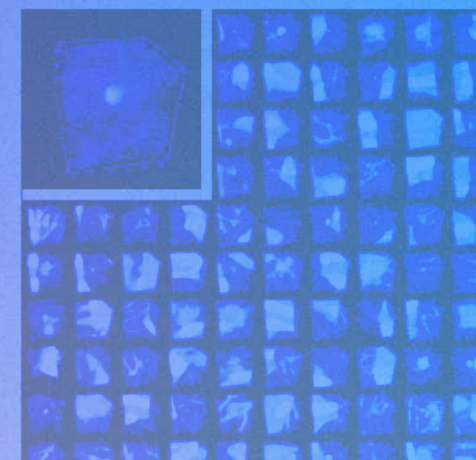
OrganAMNIST



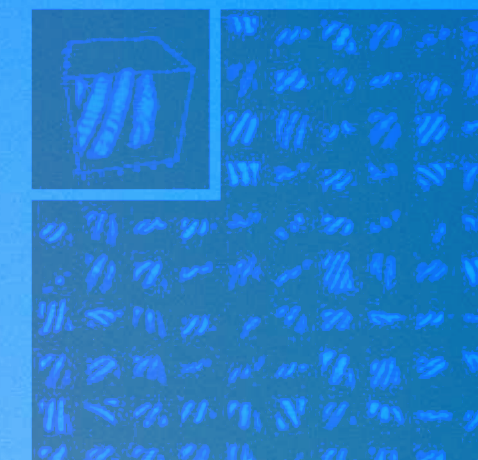
OrganMNIST3D



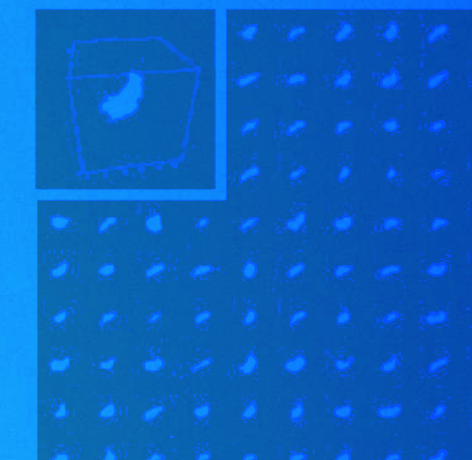
NoduleMNIST3D



FractureMNIST3D



AdrenalMNIST3D





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CHALLENGE

MEDA CHALLENGE AWARDS

NeuroEvolved Linear Discriminant Analysis for MeDA 6 (NELDA)

Héctor Acosta-Mesa | Adrian Lopez |
Lios Morales | Efren Mezura
(Universidad Veracruzana)

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CHALLENGE

MEDA CHALLENGE AWARDS

Domain Generalization for Medical Image Classification Via Multi-Task Learning

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Georgina Salcido Valenzuela |
Denisse Antunez Lopez | Ana Laura
Chenoweth Galaz (Universidad de Sonora)



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CHALLENGE

MEDA CHALLENGE AWARDS

Multi-Task Continued Pre-training: A Sequential (Contrastive-Pretext) Framework for Robust Medical Image Classification

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Manuel Gortarez | Alan Torres |
Omar Pacheco | Fernando Borquez |
Dante Tostado (Universidad de Sonora)



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MAESTRÍA | TERCER LUGAR

“Reconocimiento de Entidades Nombradas en Notas Clínicas”

Asesor:
Dra. Helena M. Gomez Adorno

**Rodrigo del Moral
González (UNAM)**



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MAESTRÍA | SEGUNDO LUGAR

“Reconocimiento de Arritmias Cardíacas Mediante un Autoencoder Profundo Espectral”

Asesor:
Dr. Dante Mújica Vargas

**Andrés Enrique Quezada
Prospero (CENIDET)**



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MAESTRÍA | MENCIÓN HONORIFICA

**“Desarrollo de un modelo inteligente
para el diagnóstico de fallas
en generadores de potencia”**

Asesores:

Dr. Alberto Alfonso Aguilar Lasserre
M.I.I. Marco Julio Del Moral

Quetzalli Amaya Sánchez
(IT Orizaba)



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MAESTRÍA | MENCIÓN HONORIFICA

**“Identificación de patologías
en humanos: Un enfoque del
cómputo inteligente”**

**Asesor:
Dr. Irahan Otoniel
José Guzmán**

**Mirta Fuentes Ramos
(ITS Misantla)**



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MAESTRÍA | PRIMER LUGAR

“Optimización de Hiperparámetros en Modelos de Aprendizaje Automático: Aplicación en la Predicción de Enfermedades Cardiovasculares”

Asesores:

Dra. Maria Yasmin Hernández Pérez

Dr. Javier Ortiz Hernández

Eduardo Sánchez Jiménez
(CENIDET)



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DOCTORADO | TERCER LUGAR

**“Metodología de aprendizaje
automático para implementar
proyectos de múltiples disciplinas”**

Asesores:
Dr. Eddy Sanchez de la Cruz
Dra. María del Pilar Pozos Parra

Cecilia Irene Loeza Mejía
(ITS Misantla)



DOCTORADO | SEGUNDO LUGAR

“Autonomous Drone Racing in Complex Scenarios”

Asesor:
Dr. Jose Martinez Carranza

Leticia Oyuki Rojas Pérez
(INAOE)



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DOCTORADO | MENCIÓN HONORIFICA

**“A Grouping Genetic Algorithm for
Variable Decomposition in Large-scale
Constrained Optimization Problems”**

Asesores:
Dra. Marcela Quiroz Castellanos
Dr. Efrén Mezura Montes

Guadalupe Carmona Arroyo
(Universidad Veracruzana)



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DOCTORADO | MENCIÓN HONORIFICA

**“Environmental Monitoring to Estimate
Indoor Occupancy Levels based on
Semi-supervised Machine Learning and
Data Fusion for Building Management”**

Asesores:

Dr. Hector Gibran Ceballos Cancino

Dra. Joanna Alvarado Uribe

**Alma Rosa Mena Martinez
(ITESM)**



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DOCTORADO | PRIMER LUGAR

“Hope Speech Detection from Social Media Texts”

Asesores:
Dr. Grigori Sidorov
Dr. Alexander Gelbukh

Fazlourrahman Balouchzahi
(CIC IPN)

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