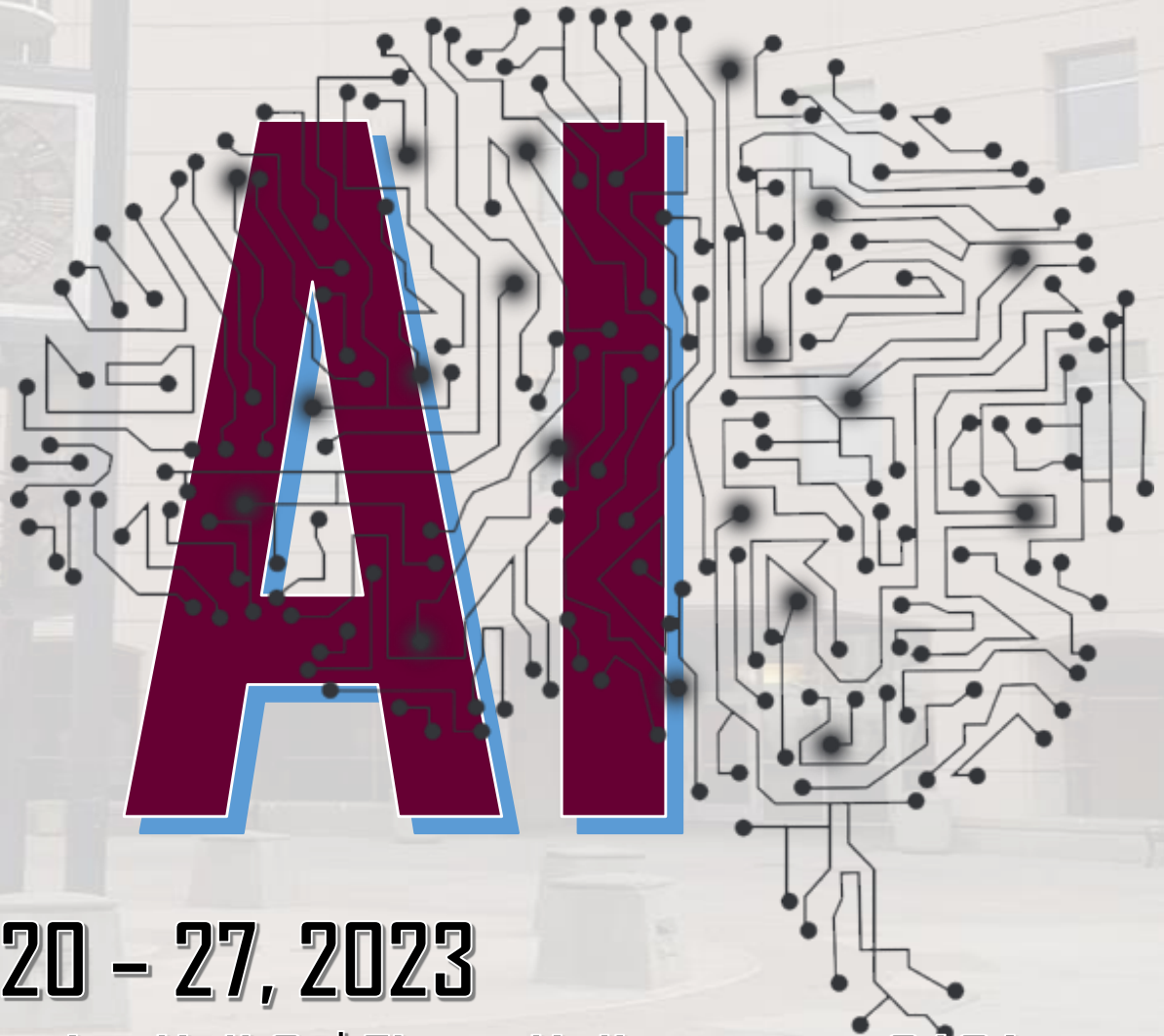




# Exhibit

## Artificial Intelligence for Civil Engineers Student Posters



**Jan 20 - 27, 2023**

**Hernandez Hall 2<sup>nd</sup> Floor, Hallway near 240A**

Posters are prepared for CE498/CE596: AI for Civil Engineers, Fall 2022

*Organized by Artificial intelligence for Structural Safety, Risk, and Reliability (AISSRR) Laboratory  
Dept. of Civil Eng., New Mexico State University*

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# Exhibit

## Artificial Intelligence for Civil Engineers Student Posters

### List of Posters:

Poster Title	Student
Modeling the Relationship between forward osmosis process parameters and permeate flux with an Artificial Intelligence Approach	Senuri Wijekoon
Predicting coastal algal blooms with environmental factors by machine learning methods	Piyumi Weerasinghe
Prediction of Bond Strength in Corroded Reinforced Beams using Machine Learning Techniques	Hector Garcia & Sandra Rodriguez
Prediction of Bridge Column Failure Using Machine Learning	Abdur Rasheed
Predicting Erodibility of Soils Using Machine Learning	Leslie Ledezma Chavez & Emilia Marmolejo
Specific Energy Consumption Prediction Model for High Salinity Brine Water in Electrodialysis Concentrator	Abdiel Lugo
Sequence-based Modeling of Deep Learning for Classification of Reinforced Concrete Column Failure Modes	Khashayar Heydarpour
Detection of Damage Caused by Earthquake Loads Using Deep Learning	Khashayar Heydarpour & Edgar Arevalo
Estimating the Nonlinear Modeling Parameters for Masonry Infilled RC Frames in Support of Performance-Based Seismic Engineering using Machine Learning	Fatemeh Aliakbari
Predicting Children's Blood Lead Level (BLL) using Artificial Intelligence Approaches	W.K.N. Lakshani Abeykoon

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