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<tr>
<th>Special Panels 1-3: 12:30 – 1:45 PM</th>
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<tr>
<td><strong>Special Panel 1</strong> Del Norte III</td>
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<tr>
<td><strong>Education</strong></td>
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<td>Prosocial behavior in school-age children</td>
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<td>Jennifer Stefania Herrera Lozano (E)</td>
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<tr>
<td>Construcción de Identidad el aprendizaje matemática en estudiantes de secundaria</td>
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<td>Haydeé River Balbuena (Ñ)</td>
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<td><strong>Special Panel 2</strong> Del Norte II</td>
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<td><strong>History &amp; Culture</strong></td>
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<td>German Views on Slavery in Relation to German Emigration, 1836-1845</td>
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<td>Penelope Jacobus (E)</td>
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<td>Reconstrucción del sistema educativo chihuahuense a partir de contextos jurídico-político</td>
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<td>Virginia Veronica Villegas (Ñ)</td>
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<td><strong>Special Panel 3</strong> Del Norte I</td>
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<tr>
<td><strong>Mental Health</strong></td>
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<td>Propuesta de intervención para adolescentes con riesgo suicida</td>
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<td>Marcos Alejandro Reyes (Ñ)</td>
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<tr>
<td>Memoria en niños con Trastorno de Déficit de Atención tras intervención cognitivo conductual</td>
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<td>Olga Viridiana Villalobos Cabello (Ñ)</td>
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<td><strong>Acitudes de los estudiantes hacia la estadística</strong></td>
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<td>Adrián Osvaldo Salcedo Cárdenas (Ñ)</td>
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<tr>
<td><strong>Service Learning and Science Education 2009-2019</strong></td>
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<td>Rocio Sepulveda (E)</td>
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<th>Special Panels 4-6: 2:00 – 3:15 PM</th>
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<tr>
<td><strong>Special Panel 4</strong> Del Norte III</td>
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<tr>
<td><strong>Communication &amp; Environment</strong></td>
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<tr>
<td>Rethinking Environmental Communication</td>
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<td>Nadia Kyeremeh (E)</td>
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<td>Interference Mitigation of Adjacent Radio Frequency Signals</td>
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<td>Miza M. Elahi (E)</td>
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<td>Priority Dispatch, ProQA 911 Emergency Dispatch Software</td>
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<td>Nadia Morales (E)</td>
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<td><strong>Special Panel 5</strong> Del Norte II</td>
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<td><strong>Transportation &amp; Logistics</strong></td>
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<td>Development of an Online Module for Highway Network Assessment in Texas Energy Developing Areas</td>
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<tr>
<td>Ali Morovatdar (Ñ)</td>
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<td>Problema de enrutamiento del tráiler y su remolque con ventanas de tiempo y uso compartido de bahías</td>
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<td>Luis Enrique Cisneros Saucedo (Ñ)</td>
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<td>Model_based Optimal Control for Capacity Pipeline Inventory Management</td>
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<td>Yasser Davizon (E)</td>
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<td><strong>Special Panel 6</strong> Del Norte I</td>
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<td><strong>Clinical Research</strong></td>
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<tr>
<td>Nurse Perceptions of Discharge Planning Roles of OTs, PTs, and SLPs in the NICU</td>
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<tr>
<td>Sarah Elkington (E)</td>
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<td>Investigating the Reliability of the Physical Therapy Spanish Proficiency Measure (PT- SPM)</td>
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<tr>
<td>Clare Swietlik &amp; Berenice Peralta Matus (E)</td>
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<tr>
<td>The Community Participation in Hispanics with Type 2 Diabetes: The Mediating Effect of Gratitude</td>
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<tr>
<td>Renee Viramontes &amp; Diana Villegas (E)</td>
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3:30 – 4:45 PM

**Posters & Networking Session A**

Sesión A de pósteres y networking

5:00 – 6:15 PM

**Posters & Networking Session B**

Sesión B de pósteres y networking

(E) = Presentations in English, (Ñ) = Presentations in Spanish

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Poster Presentations

Session A

Group 1: The Implementation of Mindfulness Therapeutic Activities among Caregivers of Individuals with Disabilities
Rachel Chavez, Jacqueline Macias, Zenia Ramirez (E)

Group 2: Effects of Nicotine Vapor on Risky Decision Making
Amir Rastegar, Diana Herrera, Marisol Blanco (E)

Group 3: A Study of Interprofessional Education in Rehabilitation Sciences Graduate Students
Francesca Hernandez, Sarah Elkington (E)

Group 4: Determining High Temperature Oxidation Sensitivity in Feedstock Materials
Josiah Piceno, Kazi Billah (E)

Group 5: The Effects of a Multicomponent Intervention on Military Caregiver Burden and Quality of Life
Tamra Hendren, Nathalie Gonzalez, Lila Sanchez (E)

Session B

Group 6: Impacts of evidence-based stress management programs on children's emotional efficacy and well-being
Alyse Nasser, Kristina Millar, Emma Smith, Cayla Molina (E)

Group 7: Aging in Place: Measuring Quality of Life of the Aging Population
Genesis Arreola-Casteneda, Raul Suarez, Liana Trevino (E)

Group 8: Nursing, PT, and OT Students’ Perceptions Regarding Simulated IPE Training
Jennifer Kotowych, Morgan Gardner, Mason Huston (E)

Group 9: Loneliness & Pet Ownership in Older Adults
Destiny Rodriguez, Valeria Alvarez, Ja’Nice Way (E)

Julia Astromovich (E): Non-Seismic Methods in Analyzing Salt Structure of the Onion Creek Salt Diapir, Utah
Jessica Bray (E): Familiarity and Recognition Processes of Ingroup vs Outgroup Members
Caroline Carter (E): A Review of Academic and Labor Outcomes for Transfer and Native Four-Year Students
Ivette Ludvina Castañeda Breceda (Ñ): Fabrication and characterization of flexible WO3 and MoS2 thin films
Owsusu Kwabenah Dankwah (E): Compiling structural data for predicting functional roles of G-protein coupled receptor
Martin Dietz-Hermosa (E): Associations between single leg vertical and broad jumps and single leg agility
Enrique Garibay (E): In-situ LPBF process monitoring through pyrometry
Matthew Gonzalez (E): The Effect of Manual Resistance on Post Activation Potentiation in Isokinetic Knee Extensions
Sebastian Gonzalez (E): El Paso MPO Multimodal Web Tool
Maryl Hernandez (E): Remediation of Water Polluted with Charcoal and Nanoparticles ZNO from Recycled Batteries
Jose Luis Lugo (E): Engineering Tool use for Long Lasting Superpave Mix Designs
Samuel Martin Martinez Magdaleno (Ñ): Metodología para desarrollo de software como servicio (SaaS) usando contenedores
Marcos Eduardo Martinez Quezada (Ñ): Algoritmo de Machine Learning en Chatbot para detección de error de pronunciación
Anidita Nath (E): Generating Posodically Context-Appropriate Responses in Dialog Systems
Jared Arturo Olmos (Ñ): Búsqueda Adaptativa para Problema de Planificación de Rutas de Camiones y Remolques con Ventanas de Tiempo con uso compartido de bahías
Richard Ortiz (E): Analysis of resting-state functional connectivity between two distinct crossbreed populations of prairie vole
Raymond Otoo (E): Identification of Novel DNA Variants of Patients with Hydrocephalus
Pavithra Pochamreddy (E): Superpixel Based Segmentation for Hyperspectral data analysis
Anand Raj (E): A Review of the Ozone Policies in El Paso and Advancement in Environmental Sustainability
Christian Sanchez (E): Effects of Ankle Braces on Frontal Plane Knee Angle and Moment and Vertical Jump Performance
Maryamsadat Shokrehzad (E): Accuracy Improvement of an Optical Based In-Vitro Glucose Sensing System
Lizette Terrazas (E): Effects of Manual Resistance Training on Body Composition in Young Adults
Peter Ufondo (E): Study of dipole bound anions using the Fermi-Löwdin orbital self-interaction corrected DFAs
Adrian Velz (E): Final Cache: Applying Automatic Memory Management to Implicitly Track Cache Entry Usage

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### Friday, Nov. 8

#### Panels 1-4: 8:00 – 9:45 AM

| Panel 1 | Del Norte III  
Higher Education  
Educación superior  
College Student Attainment  
Heriberto García (E)  
Reaching our students effectively  
Deyna Aragon (E)  
**Group:** Exploring Effective Mentorship for DPT First-Generation College Students  
David Villarreal & Asiyah Hernandez (E) |
| --- | --- |
| Panel 2 | Del Norte II  
Aerospace Manufacturing  
Manufuctura aeroespacial  
Enhancement of the Mechanical Properties of EBM Ti-6Al-4V Via Experimental Hot Isostatic Pressing Treatments  
Ahmad Abu-Issa (E)  
**Group:** Wing Shape Optimization for Aerodynamic Conditions Variables  
Arturo Paz & Manuel Lira (Ñ) |
| Panel 3 | Del Norte I  
3D Printing  
Impresión 3D I  
Performance Characterization of Laser Powder Bed Fusion Inconel 718  
Jaime Varela (E)  
**Group:** Wire Embedding Parameters for Large Scale Thermoplastic Extrusion Additive Manufacturing  
Chris Minjares & Jose Motta (E) |
| Panel 4 | Miner Room  
Manufacturing I  
Manufuctura I  
Laser Powder Bed fusion of crack free Ti-6Al-2Sn-4Zr-2Mo  
Hunter Taylor (E)  
**Group:** Melt rheology analysis of neat and short fiber reinforced ABS for 3D printing application  
Kazi Md M. Billah & Nikki Martinez (E) |

#### Panels 5-6: 9:30 – 10:45 AM

| Panel 5 | Del Norte III  
Materials I  
Materiales I  
Implementation of Spectropyrometry for Accurate Measurements  
Alfonso Fernandez (E)  
Progress in Accelerated Creep Testing of Inconel 718  
Robert Mach (E)  
Metamodeling for Minimum-Creep-Strain-Rate models  
Ricardo Vega (E)  
Emissivity Mapping  
Md Moinuddin Shuvo (E) |
| --- | --- |
| Panel 6 | Del Norte II  
Solar Power  
Energía solar  
Data Fusion Based Hybrid Deep Neural Network Method for Solar PV Power Forecasting  
Dan Rosa De Jesús (E)  
Characterization and Analysis of Device Fabrication Process for Performance Optimization of Perovskite Solar Cells  
Luis Valerio (E)  
Effect of Varying Thickness of Tin Oxide Electron Transport Layer on a Single Junction Perovskite Solar Cell  
Angel De La Rosa (E) |
| Panel 7 | Del Norte I  
3D Printing II  
Impresión 3D II  
Solder Joints in Hybrid-Additive Manufactured Electronics  
Leonardo Gutierrez Sierra (E)  
Hybrid additive manufacturing for multi-layer embedded wire interconnects  
Jose Coronel (E)  
Hybrid 3D Printing  
Gilbert Carranza (E)  
Printing Direction Influence in Properties  
Luis Chavez (E) |
| Panel 8 | Miner Room  
Manufacturing II  
Manufuctura II  
Stepped Strain Range On Inconel 718  
Jacob Pelliccotte (E)  
Facile, Low-Energy Reduction of Graphene Oxide  
Jaime Regis (E)  
Green heterogeneous nanocatalysts for environmental remediation and energy applications  
Md Ariful Ahsan (E) |

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## Poster Presenters

### Session C

**Group 10: Development of a Training Protocol for Therapist Working with Children Fitted with 3D-Prosthetic Hands**  
Alejandra Mireles, Kristen Clarno, Andrea Colindres, Deborah Hernandez (E)  
Fernando Sandoval Gutierrez, Claudia Domínguez Chavira, Patricia Islas, Karla Gonzalez (E)  
**Group 14: Educación para la calidad de vida para docentes. Un recurso para combatir la intolerancia en el aula**  
Alonso Garcia, Irvin Raul Lopez (Ñ)  
**Special Group 13: Water future perspectives along the Middle Rio Grande Valley**  
Katalina Salas, Rebeka Isac, Chilton Tippin (E)  
**Special Group 15: The Effect of Radio Frequency on Dental Composites**  
Alyssa Belmont (E)

### Panels 9-11: 11:00 AM – 12:15 PM

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<th>Panel 10 Del Norte I</th>
<th>Panel 11 Miner Room</th>
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<tr>
<td><strong>Materials II</strong></td>
<td><strong>Pavements</strong></td>
<td><strong>Biomedical</strong></td>
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<td><strong>Materiales II</strong></td>
<td><strong>Pavimentos</strong></td>
<td><strong>Engineering</strong></td>
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<tr>
<td>Modified Wilshire Model for Long-Term Creep Deformation and Damage Prediction</td>
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<td>Jaime Cano (E)</td>
<td>Long-Term Cracking Susceptibility of Asphalt Mixtures</td>
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<td>Elias Castillo (Ñ)</td>
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<tr>
<td>Calibration of CDM-Based Creep Constitutive Model using ACT Data</td>
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<td>Md Abir Hossain (E)</td>
<td>Performance Tests for Balancing Engineering Behavior of Asphalt Concrete Mixture</td>
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<td>Denis I. Vieira Souza (E)</td>
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<td><strong>Group: Thermo-Mechanical properties of Composites for Additive Manufacturing</strong></td>
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<td>Nikki Martinez &amp; Kazi Md M. Billah (E)</td>
<td>Genetic Expression Programming for Estimation of the Strength Properties</td>
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<td><strong>Panel 10 Del Norte I</strong></td>
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### 12:30 – 1:30 PM

**Plenary Lunch with Dean Theresa Maldonado**  
Comida y plática magistral con la Decana Theresa Maldonado

### 1:45 – 3:00 PM

**Poster & Networking Session C**  
Sesión C de pósteres y networking

### 3:15 – 4:30 PM

**Roundtable: “Failing Forward” & Awards Presentation**  
Mesa redonda: “Fracasando hacia adelante” y presentación de premios

(E) = Presentaciones en inglés, (Ñ) = Presentaciones en español (Gris) = la sala no está ocupada

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### Poster Presenters

**Group 10**  
- Alejandro Mireles, Kristen Clarno, Andrea Colindres, Deborah Hernandez (E)

**Group 12**  
- The Correlation Between Balance and Reported Independent ADL Performance in Older Adults
- Rakelle Wankier, Soutssada Sipaseuth, Neha Mepparambath (E)

**Group 11**  
- Optimization inteligente en el proceso de Order Picking de almacenes
- Alonso Garcia, Irvin Raul Lopez (Ñ)

**Special Group 13**  
- Water future perspectives along the Middle Rio Grande Valley
- Katalina Salas, Rebeka Isac, Chilton Tippin (E)

**Special Group 15**  
- The Effect of Radio Frequency on Dental Composites
- Alyssa Belmont (E)

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**Panel 9 Del Norte III**  
- Materials II

**Panel 10 Del Norte I**  
- Pavements

**Panel 11 Miner Room**  
- Biomedical Engineering
- Weighted Vest Effects on Stride in Children with ASD
- Alyssa Olivas (E)

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**Panel 10 Del Norte I**  
- Pavements

**Panel 11 Miner Room**  
- Biomedical Engineering
- Weighted Vest Effects on Stride in Children with ASD
- Alyssa Olivas (E)

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**Panel 11 Miner Room**  
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**Poster Presenters**

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