

# Presentations and Performances

## Monday, March 10, 2014

### Morning Session

Corbett Center 3<sup>rd</sup> floor, Senate Chambers

| Time   | Name                                      | Title   | School | Department                        |
|--------|---|---|--------|-----------------------------------|
| 8:00a  | Karla A. Salazar                          | Transcriptome of the Southern dumpling squid <i>Euprymna tasmanica</i> white body and its possible role in hematopoiesis  | NMSU   | Biology                           |
| 8:20a  | Rachael Ryan                              | Cryptic species of Checkerspot Butterfly reveals evolutionary diversification as a result of climate change in the American Southwest: <i>Euphydryas anicia cloudercrofti</i> | NMSU   | Biology                           |
| 8:40a  | Rebekah L. Horn                           | Identifying drivers of local adaptation in an ephemeral pond crustacean (Notostraca: <i>Triops</i> )  | NMSU   | Molecular Biology                 |
| 9:00a  | Mohammed Sawalhah & Andres F. Cibils      | Animal-driven rotational grazing patterns in a seasonally grazed New Mexico rangeland pasture   | NMSU   | Animal & Range Science            |
| 9:20a  | Laura Goodman                             | Effects of Applying Picloram and Aminopyralid with 2,4-D on White Locoweed in Northern New Mexico   | NMSU   | Animal & Range Science            |
| 9:40a  | Racheal Jones                             | Estimating available saline water resources in aquifers of New Mexico using GIS   | NMSU   | Water Science & Management        |
| 10:00a | Lekha N. Adhikari & Dr. Matthias Burkardt | Quark Angular Momentum Distribution in the Transverse Plane   | NMSU   | Physics                           |
| 10:20a | Nishath Rajiv Ranasinghe                  | Lg attenuation in Northeast China Using NECESS Array Data   | NMSU   | Physics                           |
| 10:40a | Greggory T. McPherson                     | The construction and implementation of a small angle light scattering instrument as a structural probe of micron-scale pore systems in solids                                 | NMSU   | Physics                           |
| 11:00a | Candace Gray                              | Venus' oxygen green line emission: an auroral process?  | NMSU   | Astronomy                         |
| 11:20a | Sam Schonfeld                             | The Sources of F10.7 Emission   | NMSU   | Astronomy                         |
| 11:40a | Amani Al-Ghraibah                         | Feature Selection in a Cross-Validated Classification Framework as Applied to Spatial Features of Solar Magnetogram Images  | NMSU   | Electrical & Computer Engineering |

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### Morning Session

Corbett Center 3<sup>rd</sup> floor, Senate Gallery

| Time   | Name   | Title   | School | Department                                     |
|--------|--|---|--------|--|
| 8:00a  | Roshani Rajbanshi  | Why Afterschool?  | NMSU   | Curriculum & Instruction                       |
| 8:20a  | Andres S. Rosan, Dr. Patricia MacGregor Mendoza, Dr. Gabriela Moreno, & Audra Westphal | Table Discussion: Principles for the development of a new Spanish leveling exam for NMSU students: Diagnosis based on the first data collection | NMSU   | Language & Linguistics                         |
| 8:40a  | Rebecca Dutton   | An Exploratory Mixed-Methods Study of the Impact of Formal Education on Moral Development in Post-Conflict Liberia                              | NMSU   | Social Work                                    |
| 9:00a  | Giselle Del Carmen Martinez Negrette   | Balanced Dual Language Education in Linguistically Unbalanced Dual Language Classrooms  | NMSU   | Curriculum & Instruction                       |
| 9:20a  | Robert M. Hastings   | The Crisis in STEM: Menace, Myth - or Both?   | NMSU   | Education                                      |
| 9:40a  | Stella M. Lucero   | Leadership Change and Reform  | NMSU   | Education Management & Development             |
| 10:00a | Melissa Cast   | Domains as Sources of Acculturative Stress in International Students: An Ethnographic Perspective   | NMSU   | Management                                     |
| 10:20a | Ryan E. Cruz   | Advertising differences in male aesthetic among non-Caucasian actors across three magazine genres   | NMSU   | Marketing                                      |
| 10:40a | Hector L. Hernandez  | A Household Model of Food Security in Tanzania  | NMSU   | Agricultural Economics & Agricultural Business |
| 11:00a | Karen R. Trujillo  | Emotional Expressions of a Tri-State Border Community through an Oldies Radio Show  | NMSU   | English  |
| 11:20a | Hayley Cotter  | From Fragmentation to Wholeness: The Dwarfs of Spensers Faerie Queene   | NMSU   | English  |
| 11:40a | Iliana Guadalupe Villegas  | An Ethnographic Perspective of Human Trafficking and Human Rights in Guatemala  | NMSU   | Anthropology                                   |

# Presentations and Performances

## Monday, March 10, 2013

### Afternoon Session

Corbett Center 3<sup>rd</sup> floor, Senate Chambers

| Time  | Name  | Title  | School | Department                          |
|-------|---|--|--------|-------------------------------------|
| 1:00p | Adriana Goenaga Ruiz de Zuazu                         | Critical Literacy in the Classroom through Literacy Circles  | NMSU   | Curriculum & Instruction            |
| 1:20p | Marilupe Rodriguez                                    | Understanding the Meaning of Students' Mathematical Motivation   | NMSU   | Curriculum & Instruction            |
| 1:40p | Yvonne Moreno   | Transition: Barriers, best practices, and teacher assumptions on disability  | NMSU   | Special Education                   |
| 2:00p | Anurag Veerabathini & Dr. Paul M. Furth               | A High-Efficiency, Ultra-Low-Ripple Fully-Integrated Switched Capacitor Buck Converter Employing Time-Interleaving and Pulse-Frequency Modulation Techniques | NMSU   | Electrical & Computer Engineering   |
| 2:20p | Tiep Le   | Logic Programming for DCOP   | NMSU   | Computer Science                    |
| 2:40p | Gholamali Rahnavard                                   | Applying Big Data Approaches for Experimental Biological Data Mining: A Case Study   | NMSU   | Computer Science                    |
| 3:00p | Bishnu H. Dhakal, Rajesh K. Patti, & James W. Herndon | Generation and Reactivity of Isobenzofurans from Carbene Complex Acetylene Coupling  | NMSU   | Chemistry & Biochemistry            |
| 3:20p | Thushara W. Madanayake                                | CYP2S1 depletion alters mTOR signaling in Beas2B cells; orchestrating cell size  | NMSU   | Chemistry & Biochemistry            |
| 3:40p | Collin Scarince                                       | Further Recall of Wins over Losses in Gambling   | NMSU   | Psychology                          |
| 4:00p | Mauren G. Navarro                                     | Globalized capitalism, neoliberalism and its effects on the living condition of the worlds population  | NMSU   | Curriculum & Instruction            |
| 4:20p | Dawn M. Bates   | Prejudice and Discrimination in Graduate School: A Discussion  | NMSU   | Counseling & Educational Psychology |
| 4:40p | Carmen C. Boje & Dr. Edward Pines                     | A Survey-Interview to analyze the Electronic Health Records Systems in United States of America  | NMSU   | Industrial Engineering              |

# Presentations and Performances

## Tuesday, March 11, 2014

### Morning Session

Corbett Center 3<sup>rd</sup> floor, Senate Chambers

| Time   | Name  | Title  | School | Department                          |
|--------|---|--|--------|-------------------------------------|
| 8:00a  | Desa K. Daniel & Dr. Ivelisse Torres-Fernandez          | A Phenomenological Study of the Invisibility Syndrome among African Americans  | NMSU   | Counseling Psychology and Education |
| 8:20a  | Lihua Zhang   | Lecturing or Coaching? –Towards an Alternative Approach for EFL teaching in China  | NMSU   | Curriculum & Instruction            |
| 8:40a  | Mariam Abdelmalak                                       | Building Online Learning Communities Using Web 2.0 Technologies  | NMSU   | Curriculum & Instruction            |
| 9:00a  | Daniel Ramirez Gordillo                                 | Do hearing loss and Alzheimers disease share common genetic mechanisms?  | NMSU   | Biology                             |
| 9:20a  | Tara Devi Newar, Rodolfo Tello-Aburto & William A. Maio | The First Total Synthesis of (-)-Palmyrolide A   | NMSU   | Chemistry & Biochemistry            |
| 9:40a  | Ronny Forney  | The Effects of Diurnal Patterns on the Spatial Distribution of Female Desert Bighorn Sheep ( <i>Ovis canadensis mexicana</i> )                 | NMSU   | Geography                           |
| 10:00a | Bahar Sayoldin  | Applying Data Mining and Bioinformatics Techniques to Analysis Capsicum Species Transcriptome  | NMSU   | Computer Science                    |
| 10:20a | Federico Campeotto                                      | Explore the use of GPUs in constraint solving  | NMSU   | Computer Science                    |
| 10:40a | Brittany N. Porter                                      | My Land is the Southwest: A Nomination to the National Register of the Peter and Henriette Wyeth Hurd home and studios                         | NMSU   | Anthropology                        |
| 11:00a | Baoyu Wang  | Agency and the Mechanism of Cultural Influence   | NMSU   | Psychology                          |
| 11:20a | Maria Dolores Molina                                    | Venir sin temores, a exponer la cultura: Preliminary Study of the Factors Impacting Culture Shock Among some Ecuadorian Sojourners in the U.S. | NMSU   | Communication Studies               |
| 11:40a | Ramona Isabel Ojeda                                     | Aurora   | NMSU   | Languages & Linguistics             |

# Presentations and Performances

## Tuesday, March 11, 2013

### Afternoon Session

Corbett Center 3<sup>rd</sup> floor, Senate Chambers

| Time  | Name  | Title  | School | Department                                     |
|-------|---|--|--------|--|
| 1:00p | Nancy Wasser  | Using Counternarratives of Social Justice to Promote Literacy and Prevent Bullying in Schools  | NMSU   | Curriculum & Instruction                       |
| 1:20p | Mark Franzak  | Exploring the intersections of mathematics and race – What are teachers' beliefs, how did they originate, and what are the implications? | NMSU   | Curriculum & Instruction                       |
| 1:40p | Romina A. Pacheco   | Participatory Action Research as Pedagogy of Expansion   | NMSU   | Curriculum & Instruction                       |
| 2:00p | Alejandro E. Bernal   | Evolution of retail food markets and Supplemental Nutrition Assistance Program   | NMSU   | Agricultural Economics & Agricultural Business |
| 2:20p | V. Bleu Knight & Elba E. Serrano  | Profiling the Normal Human Astrocyte Transcriptome with Next Generation Sequencing   | NMSU   | Biology  |
| 2:40p | Phanidhar Kukutla, Jinjin Jiang, Dong Pei, Wanqin Yu, & Dr. Jiannong Xu | The Impact of Gut Bacteria on the mosquito <i>Anopheles gambiae</i> Fecundity and Immunity against malaria <i>Plasmodium berghei</i>     | NMSU   | Biology  |
| 3:00p | Wenjie Wang   | Becoming a Better You: A Further Development of Ten Commandments for Motivating Second Language Learners                                 | NMSU   | Curriculum & Instruction                       |
| 3:20p | Armando Altamirano  | Common Practices of Law: From Slavery to Immigration Policies  | NMSU   | Curriculum & Instruction                       |
| 3:40p | Cecilia Palacio-Ribón   | Spanish for Spanish Speakers: differences between Spanish Native Speakers and Spanish Heritage Speakers                                  | NMSU   | Curriculum & Instruction                       |
| 4:00p | Sebastian Trujillo  | Formation of galaxies in a dark universe   | NMSU   | Astronomy                                      |
| 4:20p | Kenza Arraki  | The tidal disruption of satellite galaxies   | NMSU   | Astronomy                                      |
| 4:40p | Elizabeth S. Klimek   | The Causal Connection Between Inflows, Outflows, and Disk Star Formation in ART Simulations  | NMSU   | Astronomy                                      |

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| Time  | Name                               | Title  | School | Department                        |
|-------|------------------------------------|--|--------|-----------------------------------|
| 1:00p | Ramaninder Brar                    | Effect of dissolved gases on the formation of surfactant free emulsions  | NMSU   | Physics                           |
| 1:20p | Joshua W. Amburgey                 | Raman Spectroscopy in Oscillating Large Electric Field Gradients   | NMSU   | Physics                           |
| 1:40p | Dan Short & Dr. Michael De Antonio | Narrow line width tunable DIAL LIDAR detector  | NMSU   | Physics                           |
| 2:00p | Nigel Mathes                       | A Detailed Spatial Study of HI and OVI Absorbing Gas Around Galaxies   | NMSU   | Astronomy                         |
| 2:20p | Meredith Rawls                     | A Tale of Two Red Giants: Testing Asteroseismic Scaling Relations with KIC 9246715   | NMSU   | Astronomy                         |
| 2:40p | Sten Hasselquist                   | Kinematical and Chemical Gradients Within the Sagittarius dSph Galaxy  | NMSU   | Astronomy                         |
| 3:00p | Wenyan Li                          | Fluorescence decay measurements using flow cytometry   | NMSU   | Chemical Engineering              |
| 3:20p | Balakesavaraju Nadikatla           | Fully Integrated Switched Capacitor Buck Converter using Capacitive Banks for High Efficiency over a wide range of Load currents | NMSU   | Electrical & Computer Engineering |
| 3:40p | Ping Hou                           | Revisiting Risk-Sensitive MDPs: New Algorithms and Results   | NMSU   | Computer Science                  |

# Presentations and Performances

## Wednesday, March 12, 2013

### Morning Session

Corbett Center 3<sup>rd</sup> floor, Senate Chambers

| Time   | Name   | Title   | School | Department                                       |
|--------|--|---|--------|--|
| 8:00a  | Kyle Uckert                                    | A Comparative Study of in Situ Biosignature Detection Spectroscopy Techniques on Planetary Surfaces   | NMSU   | Astronomy  |
| 8:20a  | Karina Yazmin Gutierrez-Jurado                 | Farm water budgets for semiarid irrigated floodplains of northern New Mexico: characterizing the surface water-groundwater interactions                         | NMSU   | Water Science & Management                       |
| 8:40a  | Kefaya Diab                                    | Contested Representations of Reality in Waltz with Bashir & Children of Shatila: The Agenda Setting Theory as Analytical Framework for Looking at Documentaries | NMSU   | English  |
| 9:00a  | Manuel Rodriguez Ramos                         | Historia, cultura y pensamiento universal según la visión iconoclasta de Gastón Baquero   | NMSU   | Languages & Linguistics                          |
| 9:20a  | Mariá de los Ángeles Pereira Jiménez           | Gastón Baquero: visión de América Latina en sus ensayos   | NMSU   | Languages & Linguistics                          |
| 9:40a  | Jessica P. Lail                                | He said, she said: Engendering blame through personalization biases in news reports of sexual assault   | NMSU   | Psychology                                       |
| 10:00a | Jean McKeever                                  | Asteroseismology of Red Giants  | NMSU   | Astronomy  |
| 10:20a | Nicholas Ule                                   | Investigation Into Differential Rotation on Kepler Targets  | NMSU   | Astronomy  |
| 10:40a | Erandi Apsara Wijerathna & Dr. Boris Kiefer    | Effect of Point Defects and Microstructure on Mechanical Hardness Estimates of $\eta$ -Ta <sub>2</sub> N <sub>3</sub>   | NMSU   | Physics  |
| 11:00a | Laura Davidson-Salguero & Dr. Igor Sevostianov | Microstructure and Elastic Properties of Cortical Bone  | NMSU   | Department of Mechanical & Aerospace Engineering |
| 11:20a | Mohammad A. Qayum                              | Transactional Memory as synchronization solution for Scalable Parallel  | NMSU   | Electrical & Computer Engineering                |
| 11:40a | Nafiul A. Siddique                             | Local Memory Store - A multi purpose memory replacing on-chip cache   | NMSU   | Electrical & Computer Engineering                |