



HLC Accreditation Evidence Document

Title: Shared Knowledge Conference

Office of Origin: Office of Academic Affairs

Description: Information on the annual Shared Knowledge Conference, hosted by Graduate Studies. Includes screenshots from the conference's webpage on the two main events, the LoboBITES Competition and the Poster Sessions.

Date: 2018

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Share · Connect · Grow · Glow TOGETHER

The Shared Knowledge Conference is a yearly celebration of UNM graduate students and their outstanding research and scholarship. The conference provides a venue for students to engage with the UNM and larger New Mexican communities, to cross the borders that too-often divide academia from the larger world and in so doing spark conversations and work together for a world of equity, innovation, discovery, and growth.

The most recent conference, held on November 8, 2017 at Hodgin Hall, featured graduate student work through two powerful showcases:

1. **LoboBITES**, a “three-minute thesis”-type competition. Graduate students explain their thesis or dissertation without jargon to a non-academic audience in three minutes or less. Prizes include up to \$1000 in scholarships and a chance to represent UNM at a regional “three-minute thesis”-type competition in Las Vegas, Nevada. **Click here to view abstracts for the LoboBITES presented at the Fall 2017 conference, and here to see the winners of the competition!**

The event was free to attend and open to the UNM community and beyond, and was sponsored by Graduate Studies, the [Vice President for Research](#), and [UNM Alumni Affairs](#). Stay tuned for details about next year’s conference!

LoboBITES

Posters

SKC

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LoboBITES Competition



- LoboBITES 1st place:** James Fluke, "Characterization of Bacterial Impairment along the Rio Grande near Albuquerque"
- LoboBITES 2nd place:** Cristabelle De Souza, "Tackling a tumor suppressor gone rogue: Can we OVARcome ovarian cancer?"
- LoboBITES 3rd place:** Erin Watson-Chappell, "Exploring snail immunology using the common garden snail"

About the LoboBITES Competition

LoboBITES are three minute presentations on a thesis, dissertation, or other substantial research project. Think of them as short TED talks. To be successful, students must present their research in a compelling and easily digestible way, using language and terms appropriate for a general, non-academic audience. Presentations will be judged by a panel consisting of UNM and Albuquerque community members. Top contestants can win up to \$1000 in scholarships and a paid trip to represent UNM at a regional "three-minute thesis"-type competition!

[Click here to browse abstracts for the Fall 2017 LoboBITES competition!](#)



Rules

- Presentations must be made in 3 minutes or less. Two points will be deducted from total score for every five seconds a student goes over the time limit.
- Students may include one static image (such as a photograph or PowerPoint slide) for their presentation. No PowerPoint, Prezi, or other multi-slide presentations are allowed.
- A prop or other visual aid is allowed, but may only serve as a supplement to the larger presentation, not the focus.
- The primary mode of communication must be the spoken word.
- Please dress professionally (i.e. business or business casual).
- Decisions of judges are final and binding.
- Presenters must be students enrolled in a graduate program (master's or doctorate) at the University of New Mexico.
- Participants must present on a thesis, dissertation, or other substantial research project.
- Judges and audience members are not allowed to ask questions following presentations (but may approach contestants after the winners have been announced if they're interested in learning more about their projects).
- Prizes include up to \$1000 in scholarships and a chance to represent UNM at a regional "three-minute thesis"-type competition.

Judging Criteria

LoboBITES presentations are judged by a panel comprised of members from the UNM and Albuquerque communities. Presentations are evaluated using a 20-point rubric, based on the following criteria:

1. Significance: Presenters clearly explain the premise of their research and explain its significance to an audience with varied backgrounds. (5 points)
2. Clarity: Presentation is logically organized, avoids jargon, and clearly highlights key ideas and conclusions. (5 points)
3. Delivery: Presenters exhibit vocal variation, energy, confident demeanor, physical posture, and appropriate gestures. (5 points)
4. Engagement: Presentation promotes audience comprehension and engagement. (5 points)

Prizes

- First Place:** \$1000 scholarship
- Second Place:** \$500 scholarship
- Third Place:** \$250 scholarship

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The University of New Mexico Shared Knowledge Conference

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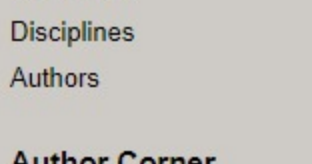
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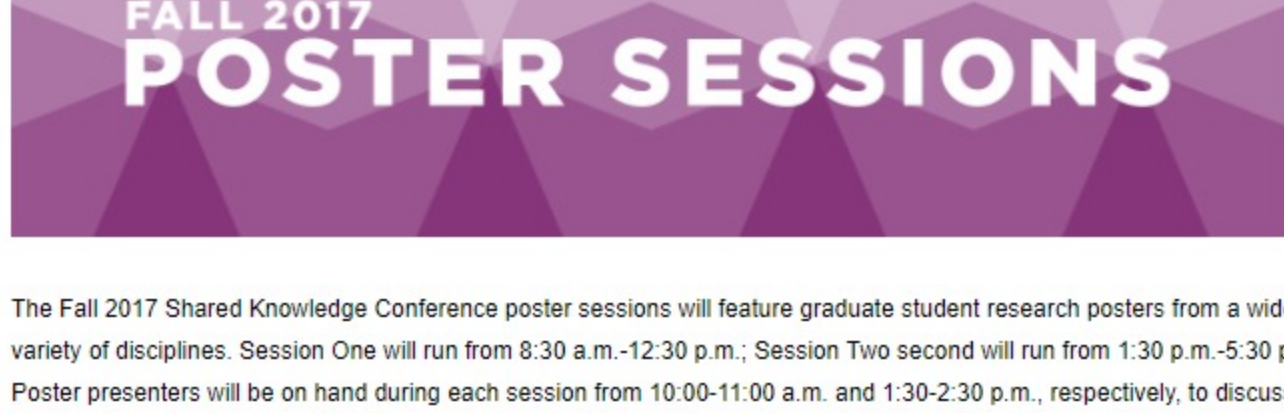
Authors

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The Fall 2017 Shared Knowledge Conference poster sessions will feature graduate student research posters from a wide variety of disciplines. Session One will run from 8:30 a.m.-12:30 p.m.; Session Two second will run from 1:30 p.m.-5:30 p.m. Poster presenters will be on hand during each session from 10:00-11:00 a.m. and 1:30-2:30 p.m., respectively, to discuss their work and answer questions. Don't miss the opportunity to discover and discuss this incredible research!

All poster sessions will take place on November 8, 2017 on the first and second floors of Hodgkin Hall.

Schedule



2017

Wednesday, November 8th

| | |
|---------|---|
| 8:30 AM | <p><u>Achieving Quantum Limited Optical Super-resolution by Classical Measurements</u> Zhixian Yu, <i>Doctoral Student, Physics</i> 8:30 AM - 12:30 PM</p> <p><u>Albanian Choral Music Project</u> Lisa Mast, <i>Master's Student, Music</i> 8:30 AM - 12:30 PM</p> <p><u>An FPGA-based Implementation of a Distributed Virtual Machine for Robust Evaluation of Expressions</u> Lee Jensen, <i>Doctoral Student, Computer Science</i> 8:30 AM - 12:30 PM</p> <p><u>Quasi nomás inglés: Intonation at the crossroads of Spanish and English in 20th century New Mexico</u> Jackelyn Van Buren, <i>Doctoral Student, Linguistics</i> 8:30 AM - 12:30 PM</p> <p><u>Decolonial Gestures: A Photovoice Study on Quechua-Spanish Bilingualism</u> Yuliana Kenfield, <i>Doctoral Student, Language, Literacy, and Sociocultural Studies</i> 8:30 AM - 12:30 PM</p> <p><u>Defining a Resilience Framework for Project Delivery</u> Fei Han, <i>Doctoral Student, Construction Management</i> 8:30 AM - 12:30 PM</p> <p><u>Digital Literacy in Rural First Year Composition Students</u> Jo Anna Nevada, <i>Doctoral Student, English, Rhetoric, and Writing</i> 8:30 AM - 12:30 PM</p> <p><u>Engineering Noncoherence: The Stutterings of Government(s)</u> Caitlin Davis, <i>Doctoral Student, Anthropology</i> 8:30 AM - 12:30 PM</p> <p><u>Establishing Time Course of Testosterone Using Saliva After a Sublingual Administration: A Pilot Study</u> Chance Strenth, <i>Doctoral Student, Psychology</i> 8:30 AM - 12:30 PM</p> <p><u>Excited State Processes in Non-Planar and Radical Elaborated Intramolecular Charge Transfer Complexes</u> Ranjana Dangi, <i>Doctoral Student, Chemistry and Chemical Biology</i> 8:30 AM - 12:30 PM</p> <p><u>Face Detection Algorithms in Generative Art</u> Amy Traylor, <i>MFA Student, Art Studio</i> 8:30 AM - 12:30 PM</p> <p><u>Facial grammar in ZEI (Iranian Sign Language)</u> Sara Siyavoshi, <i>Doctoral Student, Linguistics</i> 8:30 AM - 12:30 PM</p> <p><u>Following the Manito Trail</u> Trisha Martinez, <i>Doctoral Student, American Studies</i> 8:30 AM - 12:30 PM</p> <p><u>Low-Cost High-Sensitivity Color Sensor for Smart-Lighting Applications</u> Md Mottaleb Hossain, <i>Doctoral Student, Optical Science and Engineering Department</i> 8:30 AM - 12:30 PM</p> <p><u>Memories of development: nostalgia and inclusion in Guia afetivo da periferia, by Marcus Vinicius Faustini</u> Diego Bustos, <i>Doctoral Student, Spanish and Portuguese</i> 8:30 AM - 5:30 PM</p> <p><u>Modeling Biomass Grower Payment (BGP)</u> Saleh Mamum, <i>Doctoral Student, Economics</i> 8:30 AM - 12:30 PM</p> <p><u>Nickel-Doped Ceria Catalyst for Selective Acetylene Hydrogenation</u> Christopher Riley, <i>Doctoral Student, Nanoscience and Microsystems Engineering</i> 8:30 AM - 12:30 PM</p> <p><u>Obese burn patients' caloric needs, how do we ensure what we are feeding is enough?</u> Elle Skinner, <i>Master's Student, Nutrition Program</i> 8:30 AM - 12:30 PM</p> <p><u>Occupational stress and design</u> Hirbod Norouziannour, <i>Master's Student, Architecture</i> 8:30 AM - 12:30 PM</p> <p><u>Optimizing Long Run Energy Harvesting Strategies in Central Asian Nomadic Pastoralists</u> Adam Z. Reynolds, <i>Doctoral Student, Anthropology</i> 8:30 AM - 12:30 PM</p> <p><u>Proof-of-Work Without All the Work</u> Diksha Gupta, <i>Doctoral Student, Computer Science</i> 8:30 AM - 12:30 PM</p> <p><u>Rodents prenatally exposed to alcohol display sex-dependent differences in spatial extinction learning</u> Christy Magcalas, <i>Doctoral Student, Psychology</i> 8:30 AM - 12:30 PM</p> <p><u>Sexual Dimorphism of Thecapitate Using 3D Data</u> Jana Valesca Meyer, <i>Master's Student, Anthropology</i> 8:30 AM - 12:30 PM</p> <p><u>Shellfish-Harvesting Strategies on the North Coast: Evidence from Labouchere Bay, Southeast Alaska</u> Mark Williams, <i>Doctoral Student, Anthropology Department</i> 8:30 AM - 12:30 PM</p> <p><u>Socio-physical based Mode Selection and Power Allocation for IoT-enabled Multi-purpose Devices</u> Dimitrios Sikeridis, <i>Doctoral Student, Electrical and Computer Engineering</i> 8:30 AM - 12:30 PM</p> <p><u>Strongly Stochastic Neutron Populations in Multiplying Systems With Weak Sources</u> Patrick O'Rourke, <i>Doctoral Student, Nuclear Engineering</i> 8:30 AM - 12:30 PM</p> <p><u>The Politics of Spanish-Language Media Consumption among Latinos: Perceptions of Immigration Reform and Terrorism</u> Barbara Gomez-Aguinaga, <i>Doctoral Student, Political Science</i> 8:30 AM - 12:30 PM</p> <p><u>The relationship between reported language input and vocabulary knowledge in typically developing bilingual children</u> Michael Campbell, <i>Master's Student, Speech and Hearing Sciences</i> 8:30 AM - 12:30 PM</p> <p><u>The World's First All Solid State Cryo-Cooler</u> Junwei Meng, <i>Doctoral Student, Optical Science and Engineering</i> 8:30 AM - 12:30 PM</p> <p><u>TV's Women in Washington: Diplomacy, Femininity, and Power</u> Teresa Caprioglio, <i>Master's Student, Comparative Literature and Cultural Studies</i> 8:30 AM - 12:30 PM</p> <p><u>UNM Fission Fragment Spectrometer for Improved Nuclear Data</u> Phoenix Baldez, <i>Doctoral Student, Nuclear Engineering</i> 8:30 AM - 12:30 PM</p> <p><u>Urban Animals: GIS Analysis of Stray Canines and Felines in Albuquerque, New Mexico</u> Courtney Brock, <i>Master's Student, Geography and Environmental Studies</i> 8:30 AM - 12:30 PM</p> <p><u>Which factors influence student success in Intermediate Algebra, Math 101-102-103</u> Linh Ward, <i>Master's Student, Mathematics and Statistics</i> 8:30 AM - 12:30 PM</p> |
| 1:30 PM | <p><u>Antennas for Fast Satellite Communication</u> Firas Ayoub, <i>Doctoral Student, Electrical Engineering</i> 1:30 PM - 5:30 PM</p> <p><u>Assessment of Vegetation Response to Wildfire at Bandelier National Monument, New Mexico: Case Study of the Las Conchas Fire</u> Gladys Valentin-Gonzalez, <i>Master's Student, Geography</i> 1:30 PM - 5:30 PM</p> <p><u>Because We Have To: Flamenco as Survival Strategy against Detrimental Effects of Post-Traumatic Stress Disorder</u> Dolores Garcia, <i>MFA Student, Dance</i> 1:30 PM - 5:30 PM</p> <p><u>Characterization of Bacterial Impairment along the Rio Grande near Albuquerque</u> James Fluke, <i>Master's Student, Civil Engineering</i> 1:30 PM - 5:30 PM</p> <p><u>Circularly Polarized Adaptive Antenna Array for Small Satellites</u> Arjun Gupta, <i>Doctoral Student, Electrical Engineering</i> 1:30 PM - 5:30 PM</p> <p><u>Community and Culture in Architectural Aesthetics</u> Pablo Lituma, <i>Master's Student, Community and Regional Planning</i> 1:30 PM - 5:30 PM</p> <p><u>Connecting Science and Management on the Rio Chama: Macroinvertebrate Response to Changing Flow Regimes and other Critical Constraints to Adaptive Management</u> Anjali Bean, <i>Master's Student, Water Resources</i> Monika Hobbs 1:30 PM - 5:30 PM</p> <p><u>Copper Catalyzed Direct and Tandem Cross-Coupling of Alkyl and 6-Alkenylzinc Reagents</u> Surendra Thapa, <i>Doctoral Student, Mechanical Engineering</i> 1:30 PM - 5:30 PM</p> <p><u>Creating an Intercultural Indigenous Zone at Puyo, Ecuador</u> Diana Chavez, <i>Master's Student, Community and Regional Planning</i> 1:30 PM - 5:30 PM</p> <p><u>Developing Intercultural Competence in the Adult EFL Classroom: Use of the European Language Portfolio</u> Irina Logacheva, <i>Doctoral Student, Language, Literacy, and Sociocultural Studies</i> 1:30 PM - 5:30 PM</p> <p><u>Development of New Technologies for Sustainable Synthesis of Organic Aldehydes</u> He Huang, <i>Doctoral Student, Chemistry</i> 1:30 PM - 5:30 PM</p> <p><u>Effect of germline polymorphisms on somatic mutations in High Grade Serous ovarian cancer</u> Cristabelle De Souza, <i>Doctoral Student, Biomedical Sciences Program</i> 1:30 PM - 5:30 PM</p> <p><u>From Plato's Cave to Modern Asian Cinema: An Examination of Filmic Language and Cinematic Thinking</u> Ruochen Bo, <i>Master's Student, Comparative Literature</i> 1:30 PM - 5:30 PM</p> <p><u>Hamiltonian Integration Method for Nonlinear Schroedinger Equation</u> Anastasiya Semenova, <i>Doctoral Student, Applied Mathematics</i> 1:30 PM - 5:30 PM</p> <p><u>Investigating Molluscan Species Responses to Environmental Change in the Late Cretaceous Using Paleoenm</u> Agathe E. Carrier, <i>Master's Student, Paleobiology</i> 1:30 PM - 5:30 PM</p> <p><u>Lasers with a Cool Touch</u> Saeid Rostami, <i>Doctoral Student, Optical Science and Engineering</i> 1:30 PM - 5:30 PM</p> <p><u>Metaplasticity in the human motor cortex: validation and comparison of motor outcome measure sensitivity to change</u> Ashley Wegele, <i>Master's Student, Public Health</i> 1:30 PM - 5:30 PM</p> <p><u>Modeling the Scaling Effects of Electromagnetic Interference on MOSFETs</u> Nishchay H. Sule, <i>Doctoral Student, Computer Engineering</i> 1:30 PM - 5:30 PM</p> <p><u>Music as Sign: How does Music Mean?</u> Matthew Stanley, <i>Master's Student, Music Department</i> 1:30 PM - 5:30 PM</p> <p><u>Practice makes perfect: how to motivate US college students to learn foreign language?</u> Anna Shkireva, <i>Doctoral Student, Language, Literacy, and Sociocultural Studies</i> 1:30 PM - 5:30 PM</p> <p><u>Prediction for Galaxies detected in the COSMOS HI Large Extragalactic Survey</u> Monica Sanchez, <i>Doctoral Student, Physics and Astronomy</i> 1:30 PM - 5:30 PM</p> <p><u>Queer Femininities</u> Aubrie Powell, <i>Master's Student, Music</i> 1:30 PM - 5:30 PM</p> <p><u>Replicability of time-varying connectivity patterns of the human brain at rest</u> Anees Abrol, <i>Doctoral Student, Electrical Engineering</i> 1:30 PM - 5:30 PM</p> <p><u>Revealing Silences: The Representation of Black Identity in Afro-Caribbean Literature from the 19th to the 21st century</u> Bryn Campbell, <i>Doctoral Student, Spanish and Portuguese</i> 1:30 PM - 5:30 PM</p> <p><u>Sedimentological Analysis of the Stoneman Lake, AZ, Core: Implications for Long-Term Quaternary Climate Change in the Southwest</u> Spencer Staley, <i>Master's Student, Earth and Planetary Sciences</i> 1:30 PM - 5:30 PM</p> <p><u>Social Construction of a Disability: The Phantom of the Opera</u> Peggy A. Hulick, <i>Doctoral Student, Education</i> 1:30 PM - 5:30 PM</p> <p><u>Sum Rule for the Induced Local Density of Photonic States</u> Stephen Sanders, <i>Doctoral Student, Physics</i> 1:30 PM - 5:30 PM</p> <p><u>The Changing Role of Teachers: Utilizing SEL in P/K-12 Classrooms</u> Bradley Harberts, <i>Master's Student, Educational Leadership Program</i> 1:30 PM - 5:30 PM</p> <p><u>The Spanish of Contemporary New Mexico</u> Mario Del Angel, <i>Doctoral Student, Spanish Department</i> 1:30 PM - 5:30 PM</p> <p><u>Thin Film Narrow Bandgap InGaAs TPV Cells</u> Emma J. Renteria, <i>Doctoral Student, Electrical Engineering</i> 1:30 PM - 5:30 PM</p> <p><u>"This is what crazy looks like" a thematic analysis of mental illness narratives on Instagram</u> Camille Velarde, <i>Doctoral Student, Communication & Journalism</i> 1:30 PM - 5:30 PM</p> <p><u>Tourists replaced my neighbors!: Local understandings of neighborhood change in Cusco</u> Kalyn Finnell, <i>Master's Student, Latin American Studies</i> 1:30 PM - 5:30 PM</p> <p><u>Utilizing Archival Language Records for the Benefit of the O'odham Community and Linguistic Scholarship</u> Keiko Beers, <i>Doctoral Student, Linguistics</i> 1:30 PM - 5:30 PM</p> |