Welcome from the Rocky Mountain Center!

The big Center event this Fall is the submission of our competitive Educational Research Center (ERC) grant. ERC grants are funded by the National Institute of Occupational Safety and Health (NIOSH) and every 5 years the Center must submit a grant renewal application in order to receive the $1.8 million in funds--funds that represent a cornerstone of the Center’s financial support. ERCs are key to ensuring NIOSH meets its federal mandate of providing the necessary personnel required to fulfill the Occupational Safety and Health Act, which aims to:

[A]ssure safe and healthful working conditions for working men and women; by authorizing enforcement of the standards developed under the Act; by assisting and encouraging the States in their efforts to assure safe and healthful working conditions; by providing for research, information, education, and training in the field of occupational safety and health; and for other purposes (NIOSH)

The Center covers Region 8 (CO, MT, ND, SD, UT, WY), which has a higher than average rate of occupational fatalities (i.e., 7.08 vs 3.4 nationally) due to the nature of its industrial activities like mining. Graduates from our Ergonomics & Safety, Industrial Hygiene, and Occupational Injury Prevention, and Occupational Medicine programs are vital to ensuring Region 8 has adequate numbers of personnel trained in the areas of workplace health and safety, research, training and educating others within the workforce about appropriate and cost-effective safety protocols, regulations and standards, and faster recovery should a worker experience an occupational injury.

The Rocky Mountain Center competes against 3 other ERCs each renewal cycle and during the last renewal, the Center received a perfect score of 10 against our prestigious competitors. This year, the 1,522-page grant application highlighted the Center’s progress, success, and future goals. Although NIOSH funding is never guaranteed, and preparing the grant requires more than a year, once completed it constitutes the Center’s 5-year strategic plan and documents the valuable outputs of the Center in everything from education to research to community outreach and continuing education. (Read pages 3-4 for a few highlights from the grant.) The Center supports NIOSH in fulfilling its federal mandate of keeping workers safe, and much has been accomplished for which we should be proud, but, as detailed in our competitive application, we aren’t resting on past accomplishments and are already pursuing new achievements.

Kurt T. Hegmann, MD, MPH
RMCOEH Director
Dr. Paul S. Richards Endowed Chair in Occupational Safety & Health
Dr. Andy Phillips joined the Rocky Mountain Center in January 2017 as a clinical instructor. Since joining the RMCOEH family, Dr. Phillips has been busy in the occupational medicine clinics, performing clinical duties and physician reviews for both Worker’s Compensation Fund of Utah and the Federal Occupational Health group. In addition to playing an instrumental role in the clinical environment, Dr. Phillips also contributes to research and education at the Center. This semester he is teaching Advanced Topics and continuing his research into noise-induced hearing loss and breastfeeding in the workplace.

Recently, Dr. Phillips received a grant to study the impact of high-quality safety videos used in work-sponsored training meetings. He has also been working with the Occupational Safety and Health (OSHA) D.C. office in examining employer OSHA logs for incidences of hearing loss. Once the research is complete a paper will be submitted for publication.

The faculty and staff are happy to have Dr. Phillips as a faculty member and clinical instructor.
As noted in the opening page of the Newsletter (Letter from the Director), the Rocky Mountain Center serves Region 8, which has an occupational injury rate higher than the national average. The figure below provides a comparison of the fatality rates for Regions 1-10 by industry. As evidenced in these data, the Center provides a critical service to a region with industrial activities known for their inherent dangers (mining, construction, and transportation).

The Center aims to reduce injury and fatality rates by supplying well-trained and highly qualified personnel to the various fields of occupational safety and health (OSH), and by disseminating research to as wide an audience as possible. In order to measure aims against achievements, the Center uses several different matrices including student feedback, institutional support at local and national levels, accreditation by nationally recognized authorities, career progress of graduates, and service to the public and industry as measured in numbers of Continuing Education courses offered, number of publications and presentations, and number of Outreach activities among others. Here, we share with our supporters some of the most noteworthy measures of the Center’s success:

**Research Outputs:** Faculty published 48 peer-reviewed articles over the last 12 months, including 24 with student authors. RMCOEH publications constituted a disproportionate 10.1% of all NIOSH publications for 2015, and yet there are over 30 Centers!

**Local Support:** The Utah Legislature provided $125K in one-time start-up funding for a **new BS degree** in Occupational Safety and Health (OSH) through SB3, 2015 General Session, and **Extended SB159**, the dollar-for-dollar WC premium tax credit.

**Student Feedback:** Across all programs, a full 97% of graduates rate the training programs highly (8-10/10).

**Providing Personnel to the Fields of OSH:**

<table>
<thead>
<tr>
<th>Industry</th>
<th>68.4%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academics/Education</td>
<td>7.9%</td>
</tr>
<tr>
<td><strong>Government</strong></td>
<td>18.4%</td>
</tr>
<tr>
<td>Further training (e.g., PhD)</td>
<td>5.3%</td>
</tr>
</tbody>
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**Occupational Medicine graduates working in:**

| Clinic/Hospital | 52.6% |
| Military | 15.8% |
| Industrial facilities | 10.5% |
| Self-employed | 5.3% |
| Consulting | 10.5% |
| Education/University | 10.5% |
| **Government** | 7.9% |
**Accreditation:** During the last ABET accreditation cycle, the Industrial Hygiene Program was pristine with **NO deficiencies, weaknesses, or concerns!** And, the Program’s accreditation materials are being exhibited by ABET as a **national example.** Similarly, the OM residency was re-accredited by ACGME with **NO citations or negative comments.**

**Career Progress:** Several (>25%) E&S graduates **manage** their companies’ or division’s E&S or Safety, Health and Environmental (SHE) Programs, and many (>50%) **work actively with ASSE.** From 2012 to 2017, 18/19 (96%) of occupational medicine graduates, passed the ABPM examination in occupational medicine on the **first try,** well above the national average of approximately 80%!

**Publications and Presentations:**

- **Ergonomics and Safety**
  - 30 Presentations
  - 38 Peer-reviewed publications
  - 22 Posters
  - 21 Abstract

- **Occupational Injury PRT**
  - 66 Peer-reviewed publications
  - 6 Book chapters
  - 38 Posters
  - 7 Occupational health guidelines

**Service to the Public and Industry:** Outreach activities over the last 5 years totaled a staggering **79,682 hours** with a total of **3,814 faculty-staff contact time.** A total of **7,810 business** were served through Outreach and Continuing Education. A week-long HAZWOPER class was provided to the **Navajo Nation** in July, 2017. Other noteworthy activities include Dr. Hughes’ Annual Disaster Response Symposium with **100 attendees;** Dr. Pahler’s **service to the public;** and our increase in media work (e.g., Dr. Thiese’s interviews), which **presents RMCOEH research impacts to the general public.**

**ERC Grant by the Numbers**

- **18,628 CE Trainees**
- **+5,500 Pages of Peer-reviewed Materials Published**
- **594 Graduates**
- **4 Applicants for 1H OM Positions**
- **100% Employment Rate for 2016 IH Graduates**
- **360 Highly-qualified Instructors from the Private & Public Sectors Teaching CE Courses**
Kevin is the new Administrative Program Coordinator for the Occupational Medicine residency training program at the Rocky Mountain Center. His duties include assisting with recruitment of applicants, matriculation of candidates, management of resident activities throughout the duration of the residency as well as aiding residents in preparing for post-graduation employment. Additionally, Kevin documents and reports on the accreditation and RMCOEH grant program requirements and arranges the Residency Advisory Committee meetings. As OM Coordinator, Kevin communicates residency activities with other occupational health professionals, builds networks in the OM community, and is acting liaison between the residents and university, other departments and institutional entities. Kevin has worked for the University of Utah since 2002, including serving the psychiatry residency program.

When he isn’t busy looking after residents, Kevin enjoys musical concerts, oil painting landscapes, reading, cooking, and taking in the spectacular mountain-city views outside his windows.

Kevin is a welcome addition to the Center and his expertise is already making improvements and moving the OM Program forward.

Karen has been with the Rocky Mountain Center for 22 years! And after so many years of service, Karen has a long list to keep her busy during retirement: remodeling her house and buying some new appliances, reading books and seeing movies, visiting with friends (more often), walking and hiking, learning Spanish, and traveling throughout the region. And when Karen’s husband retires in a year, they will extend their travels, going outside Utah and the surrounding area through less familiar terrain.

Karen says she will miss the people, but not the “campy” RMCOEH building or her computer! When asked if she is a mountain or desert person, she says, “Mountain! I moved to Salt Lake 25 years ago from Phoenix, AZ and I’ve had enough desert!”

Everyone at the Center is sad to see Karen go, but equally happy that she will be moving on to all of the things she loves most in this second phase of life we call “retirement.”

As Karen trades in her residents for books, her computer for remodeling, and her co-workers for fellow travelers, we wish her all the best and express out deepest gratitude for 22 years of smiles, friendliness, and institutional knowledge. Thanks Karen and Best Wishes from All of Your Rocky Mountain Center Friends!!!

Visit our Facebook page to see pictures of Karen’s retirement party!
In 2015, after performing countless risky patient transfers from wheelchairs to kayaks and sailboats on an often muddy and challenging shoreline, Dr. Jeff Rosenbluth (University of Utah Spinal Cord Injury Rehabilitation Center) partnered with Dr. Andrew Merryweather (Ergonomics and Safety Program Director in the Department of Mechanical Engineering at the U) to realize a dream. The dream was simple: find a better way for people with disabilities to get into and out of watercraft.

After nearly two years of development, the Portable Accessible Dock (PAD) was launched, bringing that dream to reality. This is no ordinary ADA compliant dock. The PAD stores like a box trailer and launches and maneuvers like a 30-ft. pontoon boat. This is the world’s first controllable dock designed from the ground-up with wheelchair transfer and access in mind. The PAD’s premiere function brings personal watercraft onto a level, slip-resistant, shaded, and cooled deck to facilitate safe and efficient ingress and egress. A key player in the design and fabrication of PAD was Nicolas Brown, a current NIOSH Trainee at the RMCOEH and a talented mechanical engineer. Many patients and their families will now be able to enjoy recreational therapy in a radically new way, thanks to the efforts of all parties involved.

Research Updates

Dr. Leon Pahler and Dr. Andrew Merryweather will be working with Charolette Robinson-Hanchett (an IH graduate student) in the ergonomics lab to evaluate how the soles of shoes and walking surfaces may contribute to slips, trips, and falls. Research has shown that slips, trips, and falls are responsible for 20 - 25% percent of all disabling injuries in the workplace. The pilot project will examine common non-slip footwear and surfaces in the construction, hospital, and restaurant settings—employment sectors where walking and standing are inherent to the majority of positions.

Friction values between the bottom of the footwear and surface will be measured using a robot ankle-foot simulator for normal walking rate (1.4 m/s (5.0 km/h; 3.1 mph)), rushed walking rate (2.0 m/s (7.0 km/h; 4.4 mph)), and very rushed walking rate (2.5 m/s (9.0 km/h; 5.6 mph)). Data from the study will be directly applicable to industry, and will provide the basis for future research examining other non-slip footwear by type and brand. One additional parameter to be studied is soiled walking surfaces (i.e., water, soap/water, oil/grease, and dry). Between the 2 types of shoe soles (normal and non-slip), the 4 types of work surface conditions (dry, wet, soap/wet, and oil/grease), the 3 walking rates (normal, rushed, very rushed), and 3 work surfaces (tile common to hospitals, tile common to restaurants, and concrete common to construction), this pilot project will yield 360 measurements!

Look for future RMCOEH Newsletters detailing the project’s progress and findings.
The Center has recently enjoyed several high-profile guest speakers. Some are part of the Targeted Research Training (TRT) Program, and others are guests of Outreach. Here are some of the notable guests to visit the Center this last semester.

September 29th (TRT). **Dr. Scott Harris, PhD, MS**
Dr. Scott Harris is a widely recognized national expert in preparedness and response management. He has extensive and varied experience, ranging from remediation for the Environmental Protection Agency (EPA), top secret work for the Department of Defense (DOD), response to hurricanes Katrina and Rita, and coordinating with the U.S. Navy in recovering the Columbia space shuttle. Dr. Harris has over 30 years of environmental health and safety (EHS) management at the general industry, state, and federal level; he currently serves as the Director of EHS Services for ALAMO1, a large scale environmental contractor in Texas.

October 20th (TRT). **Don Linville, CIH, AIHA Fellow**
Mr. Linville has served as Health and Safety Officer and Technical Advisor for numerous HazMat and chemical, biological, radiological, and nuclear (CBRNE) responses including anthrax, methyl trichlorosilane, bubonic plague, sarin, chlorine, methyl mercury, anhydrous ammonia, and other dangerous chemicals. He co-authored the AIHA Decontamination Guidelines and a white paper for DuPont on decontamination of personal protective equipment (PPE). In addition to being a hazardous materials specialist, railcar specialist, and HazMat incident commander, Don has completed the Homeland Security Domestic Preparedness training.

November 10th (TRT). **Dr. Xu Xu, PhD, MSIE, BSIE**
Dr. Xu was a research fellow in Harvard University’s School of Public Health. After his postdoc, Dr. Xu joined the Liberty Mutual Research Institute for Safety as a research scientist. Dr. Xu was awarded best-paper and outstanding scientific contribution multiple times. After his life as a research scientists, Dr. Xu went to North Carolina State as assistant professor. Dr. Xu’s research focuses on biomechanical modeling, optimization, simulation and data mining of human motion; his research effort has resulted in more than 40 published journal articles. The aim of his research is to increase workplace and at-home injury prevention and safe driving.

November 10th (Utah Student AIHA Chapter meeting). **Chris Fromyer, Rep. for Edge Safety Eyewear**
Chris Fromyer from Edge Eyewear discussed the company history and product. The glasses produced by Edge Eyewear are the joint effort of the American National Standards Institute (ANSI) and Military Combat Eye Protection Systems (MCEPS). Capable of withstanding intense impact, the glasses undergo rigorous optical tests to ensure that the wearer does not experience distorted vision like astigmatism when wearing the glasses. Many of the glasses offered could qualify for the label “fashionable,” which is intentional as the Centers for Disease Control (CDC) estimates that 63% of all eye injuries happen away from work during recreational activities or home repair/care. At the end of the presentation, each one of the students was given a free pair of safety glasses.
In Spring of 2019, the Rocky Mountain Center for Occupational and Environmental Health will begin awarding scholarships through the D. Jeff Burton Endowed Scholarship Fund. The scholarships will support the education and research efforts of graduate engineers and engineering students enrolled in industrial hygiene-related programs at the Center. The students, staff, and faculty would like to thank Jeff Burton for his donation to fund this scholarship in support of education, and especially of the role that engineering should play in occupational and environmental health.

The RMCOEH, in conjunction with the Federal Emergency Management Agency (FEMA), has been offering a free on-line course entitled “Neighborhood Emergency Response Planning (NERP).” The course contains 2 modules: Module 1, Prepare and Plan, and Module 2, Response Actions & Recovery for a Return to Normal Living. The course trains citizens in 1) Emergency preparedness; 2) Emergency recovery; 3) Coordinated response in communities; and 4) Response actions. Already taken by over 70 people, the Center is working on additional modules on Earthquake Preparedness, Fire, and Severe Weather. Additional modules are due to be released by the end of 2017. See the flier below for additional information and directions to take the on-line course.

In response to student feedback, the Center decided to offer its own Biostats course. Fall 2017 is the first semester in which the course will be offered, and even the Department of Family and Preventive Medicine is interested in having students sign-up! Developed and co-taught by Dr. Thiese and Dr. Ott, the course is focusing on the needs of our unique student population, ensuring students are prepared to interpret OEHS publications in their practices and produce quality research publications.

The RMCOEH faculty and staff would like to congratulate Dr. Matt Thiese and Dr. Darrah Sleeth on being promoted to Associate Professor with tenure. This important career milestone is a testament to their commitment, talents, and achievements.
How many times can one man retire? Who knows, but what we do know here at the Center is that you can (re)(re)re-retire and re-emeritus many times—just as long as you have the qualifications and charm of Dr. Royce Moser (pictured right). The distinguished Royce Moser is currently an emeritus professor at the Rocky Mountain Center and his list of accomplishments is a long one:

- Editor of the text, Effective Management of Occupational and Environmental Health and Safety Programs—A Practical Guide. Now in its third edition. Jeff Lee, PhD, was a major contributor to the book. The text is used nationally and internationally in OEHS courses and other educational programs.
- Developed the academic course, Effective Management of Health and Safety Programs, which has been commended for its practical approach to the management of health and safety programs.
- The Center developed the Master of Science in Occupational Health and Master of Occupational Health academic programs. This achievement permitted students to benefit from additional OEHS courses that could not be provided in the typical Master of Science in Public Health and Master of Public Health courses.
- Published the article, “Preparing for Expected Bioterrorism Attacks” in May 2001, just before the September 2001 attack. Dr. Moser would later serve as lead author for the Utah State plan to respond to mass casualty situations and was involved in coordinating efforts of approximately 40 state agencies and other organizations. The plan was eventually adopted as a model by other states.

Despite such notable and nationally recognized achievements, if ever asked about his career, Dr. Moser will most certainly tell you that the most gratifying accomplishment is knowing that he made a difference in his students, co-workers, and mentees’ lives. As a recent example, one of our RMCOEH graduates, Col. Mark R. Coakwell of the United States Air Force was promoted to Program Director of the Aerospace Medicine Residency (RAM) at the Wright Patterson Air Force Base in Ohio. Affectionately called RAM Daddy, this position was also held by Dr. Moser. The two met when Col. Coakwell was a student at the Center. We asked Co. Coakwell (pictured below) to describe the impact Dr. Moser had on his own career:

“Last August, I began serving as the Program Director of the Aerospace Medicine Residency at the US Air Force School of Aerospace Medicine, Wright Patterson Air Force Base, Ohio. It’s one of the largest Preventive Medicine residencies in the country, and the largest operationally-oriented clinical residency in the Department of Defense. I precept and mentor up to 21 residents in each year’s group. Our challenge is to develop curriculum that meets the operational demands of the US Air Force, emphasizing clinical Aerospace Medicine, Flight Safety, Human Factors, Occupational Medicine, Preventive Medicine and Aerospace Physiology, in addition to Aerospace and Occupational Medicine Program management at the tactical, operational and strategic levels.

Without a doubt, Dr. Royce Moser played a major role in my development as an Aerospace Medicine specialist, for which I will always be very grateful.”
grateful. He definitely set the bar very high during his Air Force career and on into his career in Academic Medicine. His is a level of achievement that I have aspired to and that I will continue to aspire to even more so now as I take on my new responsibilities of residency program director.

Dr. Moser once told me that being in a teaching position has rewards far beyond any immediate ones as you watch your grads thrive. He told me once that his favorite saying is ‘The outstanding ones would have done well regardless of who was their leader, but it’s so nice to know you helped give them the tools they used to be so successful.’

A project that Dr. Moser and Dr. Don Bloswick (from the Mechanical Engineering Department) mentored me on during my MPH at RMCOEH led to my first PMID publication. It was a landmark experience in my career to date, and it’s great to see it continue to be referenced. Since then, I’ve maintained a professional interest in that subject matter and have reviewed a significant number of related articles submitted to that same journal. I’ll always be very grateful for Dr. Moser’s and Dr. Bloswick’s interest and willingness to help all of that become a reality for me.”

The faculty and staff congratulate Col. Coakwell on his promotion and express our sincerest thanks to Dr. Moser for his contributions to the field of occupational medicine in both the private and public spheres.

Grants and Future Research

DFPM Health Studies Fund, Temperature Inversion and Ultrafine Particle Concentrations in the SL Valley
$5,000 Principal Investigator, Dr. Rod Handy
The grant is funding a graduate-student’s research on particulate concentrations in the Salt Lake Valley during inversions. The research will be submitted as journal paper in Spring 2018, and pilot study data were already a poster presentation at the 2017 AIHce.

Utah Division of Substance Abuse and Mental Health, Utah Screening, Brief Intervention and Referral to Treatment (SBIRT) Training Program
$102,000 per year for 2 years Principal Investigator: Dr. Melissa Cheng
Funds for this grant will be used to increase evidence-based universal screening for alcohol, illicit drug and prescription medication misuse and abuse in healthcare settings. The goals of the research are to increase awareness about SBIRT, teach healthcare staff about the biophysiology of addiction and theories about addiction treatment, and to monitor use of SBIRT throughout the state.

U.S.-Pakistan Center for Advanced Studies in Water (USPCAS-W) Course Mentoring Program, Occupational Health and Safety Course Development at Mehran University of Engineering and Technology (MUET)
$5,080 Project personnel, Dr. Rod Handy
This project allowed Dr. Handy to work with instructors at a Pakistan university in developing course work in occupational health and safety.

Susan Harwood Training Grant Program,
$148,000 Principal Investigator, Dr. Rod Handy
The grant will fund training for workers in the oil and gas industries in Utah and surrounding areas. Specifically, the training will focus on 5 key areas: 1) On-site chemical hazards, hazard communication, and global harmonizations systems; 2) Ergonomics, musculoskeletal disorders (MSDs), and lifting/carrying techniques; 3) Thermal stress; 4) Preventing slip, trip, and fall injuries; and 5) Safety plans.
October 11-13 the 34th Annual Conference on Safety and Industrial Hygiene was held on the University of Utah campus. The conference is co-sponsored by the Rocky Mountain Center for Occupational and Environmental Health, and the Utah Chapters of the American Industrial Hygiene Association and American Society of Safety Engineers Utah Chapter. Each year the conference is held in order to provide a venue for exchanging information, ideas, tools, and techniques that improve occupational safety, the general environment, and the community. The first day is an offering of short courses and the two following days are the general conference and concurrent sessions.

This year was a huge success! There were 265 conference attendees and 28 exhibitors. The 35th Annual Conference will be held October 10-12, 2018.
November
OSHA 502, 510, 500 Occupational and Health Standards for the Construction Industry
OSHA 2264 Permit-Required Confined Space Entry (Williston, ND)
Lead Safety for Renovation, Repair & Painting Training Course
Asbestos Contractor /Supervisor Refresher

December
Asbestos Inspector/Management Planner Refresher
OSHA 503, 511 501 Occupational Safety and Health Standards for General Industry
8-Hour HAZWOPER Refresher
Asbestos Inspector/Management Planner Training

January:
Asbestos Project Designer, Contractor/Supervisor and Inspector/Management Refreshers
OSHA 502, 510, 500 Occupational Safety and Health Standards for the Construction Industry
Hazardous Materials Instructor Training
30th Compensable Disability Forum update 2018
OSHA 2055 Cranes in Construction

February
OSHA 503, 501, Occupational Safety and Health Standards for General Industry
Lead Inspector, Risk Assessor and Supervisor Refreshers
CAOHC
OSHA 3085 Principles of Scaffolding

March
Indoor Mold: Inspecting and Assessing the Risk/Choosing and Supervising the Proper Remediation
40-Hour HAZWOPER Training
Asbestos Contractor/Supervisor Training

April
Respiratory Protection and Fit Testing
OSHA 503, 501, 511 Occupational Safety and Health Standards for General Industry
15th Annual Regional National Occup. Research Agenda (NORA) Young/New Investigators Symposium
OSHA 2264 Permit-Required Confined Space Entry

May
Lead Renovation, Repair and Painting
OSAH 2045 Machinery and Machine Guarding Standards
OSHA 3115 Fall Protection
OSHA 6005 Collateral Duty Course for Other Federal Agencies
OSHA 502, 510, 500 Occupational Safety and Health Standards for the Construction Industry
A W A R D S

Rami M. Shorti (E&S PhD Student). Awarded Outstanding Dissertation of the Year in Mechanical Engineering at the University of Utah. The award recognized Rami’s devotion to advancing research intellectual merit and the beneficial impact his research has on broader society.

RMCOEH Faculty. Awarded the 2017 International Ergonomics Association (IEA)/Liberty Mutual Medal for “Relationships between Job Organisational Factors, Biomechanical and Psychosocial Exposures” by Bao, Kapellusch, Merryweather AS, Thiese MS, Garg A, Hegmann KT, Silverstein BA,” Ergonomics, 2016;59(2):179-94. Instituted in 1998, the award is given to researchers whose work leads to reduction or mitigation of occupational injuries, theoretical advancements, and/or furthers the understanding and development of occupational safety research. The award will be presented at the triennial IEA meeting in Florence, Italy, August 2018!

Lincoln Holdaway (OM Resident). Award for Best Poster at the 2017 Western Occupational & Environmental Medical Association conference. Lincoln received the award for his research on sleep posture and work-related rotator cuff tendinopathy.


Marie Thornsen (IH Graduate). Awarded the Best Student Poster at the 2017 AIHce in Seattle, WA for her research comparing heavy metal concentrations in previous and current Great Salt Lake shorelines, which was also published in Human and Ecological Risk Assessment, 23(8):1941-1954.

Lincoln Holdaway (OM Resident). Awarded first place in the 2017 Western Occupational Health Conference (WOHC) poster competition for his research on sleep posture and glenohumeral pain and rotator cuff tendinopathy.

A C C O L A D E S

Scholarship Awards

Western Occupational & Environmental Medical Association (WOEMA) Scholarships
The WOEMA scholarship is intended to provided financial support for conference attendance, develop leadership in awardees who show promise through exceptional activities and also by having them participate in the conference, and offer networking and mentorship opportunities that would otherwise not be possible due to geographical distance and lack of funding. This year’s recipients from the Center were:

*Amilcar Cardona  
*Cody Jackson  
*Sarang Yoon

American Occupational Health Conference (AOHC)
Each year the AOHC awards 10 scholarships to residents across the nation. Funds are given to residents that demonstrate the ability to make meaningful contributions to the field of occupational medicine so that they may attend the conference or one of the post-conference courses. This year, the Center’s residents were awarded 17% of the AOHC scholarships. Each of the following residents received an AOHC scholarship:

*German Ellsworth  
*Daphney Myrtil
An Important Year-End Message from the Center Director

Fall is a time of year for holidays, traditions, friends and family, but it is also a time of year to think about charities and non-profit organizations that rely on people like you for support. The Rocky Mountain Center for Occupational and Environmental Health is requesting year-end donations.

Not only is your gift 100% tax deductible, every dollar will go toward increasing worker safety and health, and ensuring the next generation of occupational safety and health professionals have the necessary skills and training. Whether it’s investigating the link between shoulder pain and cardiovascular disease, or figuring out the best type of slip resistant shoe, or determining the impact of multiple medications on truck driver crash risk, the entire Center works everyday to protect workers and improve occupational health and safety.

As Center Director, I know first-hand that reducing worker injuries and educating the future of occupational health and safety is hard, and your support plays a critical role in helping us meet our research and educational goals. The costs of equipment, providing education, conducting quality research, and general overhead rise every year. It is only with the support of donors like you that we are able to achieve our goals and keeps workers safe, healthy, and productive.

Simply fill out the slip below and indicate the dollar amount you wish to donate. Then a tax receipt will be mailed to the return address listed on the envelope. If you are interested in other mechanisms for supporting the Center (e.g., IRA rollover, stock), or have a specific program (e.g., Ergonomics & Safety, Industrial Hygiene, Occupational Injury Prevention, or Occupational Medicine) or a particular area to which you wish to contribute (e.g., a scholarship such as the Dr. Royce Moser Endowed Scholarship or Jeff S. Lee Memorial Scholarship, or research on issues like musculoskeletal disorders or particulates or heat stress, etc.), please contact Sheri Carp at sheri.carp@hsc.utah.edu / 801.581.3532.

Thank you for your support and to all those who have contributed to the Center throughout the past year. Here’s to a Safe & Happy Holiday for workers everywhere.

Sincerely,
Kurt T. Hegmann, MD, MPH
RMCOEH Director
Dr. Paul S. Richards Endowed Chair in Occupational Safety & Health

The Rocky Mountain Center for Occupational and Environmental Health

DONATION SLIP

By Check
Pay to: RMCOEH
Address:
391 Chipeta Way, Suite C
Salt Lake City, UT 84108
Attention: Sheri Carp

By Credit Card

Card Number: _____________________________

Expiration: __________/_________    CV: __________

Month      Year

Amount: _______  Signature: ______________________________________