CSU part of nationwide safety video project

The best agricultural safety practices are described and demonstrated in a new series of free educational videos produced by U.S. Agricultural Safety and Health Centers across the country, including one based at Colorado State University. Topics include: respiratory protection, livestock safety, tractor and machinery safety, child development, emergency response, grain safety, pesticide safety, heat-illness prevention, ladder safety, and hearing protection. The videos are available at www.youtube.com/USagCenters.

Ram Community

50th Homecoming anniversary for twin Rams

Lary and Gary Schmidt ('63), believed to be the first twins to graduate from the College of Engineering at CSU, returned to campus this fall during Homecoming & Family Weekend for their induction into the Alumni Association's 50-Year Club.

Wall earns top honors

Diana H. Wall, founding director of the School of Global Environmental Sustainability at Colorado State and one of the world's most respected environmental scientists, just received the Soil Science Society of America's highest honor, its Presidential Award. She also was selected for the Colorado Women's Hall of Fame.

Partnerships

Catastrophic wildfires ignite new CSU center

The Center for Managing WUI (Wildland Urban Interface) Wildfire Risk, created by CSU’s department of Forest and Rangeland Stewardship, will provide science-based answers to critical questions raised by the most destructive wildfires in Colorado's history. One of the Center’s first assignments will be to characterize and map Colorado’s wildland urban interface – those places where human development intersects with undeveloped land.

Assessing risk of extreme weather

A $4.9 million, five-year study, sponsored by the National Science Foundation and the Department of Energy, will help determine the risk of extreme weather events like flooding, wildfires, and droughts in certain areas. Dan Cooley, an associate statistics professor, leads the study and will mine data from satellite images, climate models and other sources.

Research – and Results

Meeting the need for better knees

Knee injuries account for more than 25 percent of all orthopedic treatments in the U.S., and more than half of all sports injuries. Researchers in the Colorado State University School of Biomedical Engineering are developing a material that can help injured knees regenerate soft tissue after reconstructive surgery. The material, a hydrogel reinforced with nanofibers, will be seeded with stem cells naturally occurring in adult cartilage.

CSU’s business and economics among world’s best

Colorado State University’s business and economics programs rank in the top 15 percent of the world’s best universities for the quality of faculty research, according to the Academic Ranking of World Universities.

$13.5M for fighting bacteria bioterror

Colorado State Professor Richard Slayden, an expert in developing drugs to foil the world’s most dangerous pathogens, is part of a nationwide scientific team seeking antibiotics that the U.S. military can use to counter bioterrorism. A $13.5 million grant from the Defense Threat Reduction Agency to Slayden’s team will help them discover drugs that can effectively treat soldiers (and civilians) infected by lethal bacteria.
CSU Tracked Russian Meteor

“The Chelyabinsk event is the first eye-witnessed large meteor known to cause significant property damage and injuries – and it was also seen remotely from space,” explains lead author Steven Miller, deputy director of the Cooperative Institute for Research in the Atmosphere at CSU. “The timing of the satellite overpass within a few minutes of impact is a remarkable stroke of good luck, which allowed for an estimate of the object’s trajectory through the middle atmosphere.”

The Chelyabinsk meteor, which caused an airburst explosion that damaged buildings and injured hundreds of people on Feb. 15, 2013, was observed by several weather- and environmental-monitoring satellites as it entered the earth’s atmosphere. By combining the perspectives of different satellites, Miller and his team were able to reconstruct a detailed trajectory for the meteor that was corroborated by independent surface-based estimates gleaned from an assortment of video dash-cams in Chelyabinsk.

Japanese students raise funds for Colorado disaster

With memories of the powerful Tohoku earthquake striking their home nation of Japan in March 2011, members of the Japanese Student Association at CSU took up fundraising to aid Colorado citizens impacted by the September floods. The students said the outpouring of support from around the world after the Japanese earthquake inspired them to raise nearly $700 to support their new neighbors in Colorado.