

1ST QUARTER 2018

NASA AND NSF EPSCoR

DR. KWANG KIM



Dr. Kwang Kim, University of Nevada, Las Vegas (UNLV), NASA EPSCoR CAN recipient with > 7:1 return on investment for new funding, elected to the rank of **National Academy of Inventors Fellow**. Dr. Kim has been chosen for induction at the Fellows Induction Ceremony in April, 2018 in Washington DC, "having demonstrated a highly prolific spirit of innovation in creating or

facilitating outstanding inventions that have made a tangible impact on quality of life, economic development, and the welfare of society." Congratulations Dr. Kim!

DR. SCOTTY STRACHAN



Dr. Scotty Strachan, NSF EPSCoR participant, named **Director of Cyberinfrastructure (CI)**, University of Nevada, Reno (UNR). Strachan a self-declared native Nevadan, raised in rural western Nevada since age three, earned his PhD while simultaneously working on the NSF EPSCoR award, to be selected Director of CI is a great success story. "The last two EPSCoR Track 1 projects prepared me for exactly for this work," Strachan says. "This is a huge win for EPSCoR and CI in my book." Congratulations Dr. Strachan!

NSF EPSCoR

RECENT NATIONAL MEDIA ATTENTION



NSF Science360 News

Picture of the Day, February 2, 2018

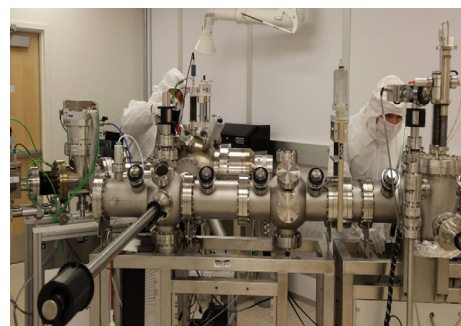
Saving the desert's upper crust, Dr. Henry Sun, a research microbiologist at Desert Research Institute (DRI). Photograph by Dr. Scotty Strachan, UNR.



NSF Science360 News

Top Story, January 8, 2018

Investigating improved wind forecasting to harness clean energy potential, Dr. Lei Yang, a professor of computer science and engineering at UNR.



NSF Science360 News

Top Story, December 15, 2017

Using nanotechnology, not water, to clean solar panels, Dr. Biswajit Das, director of the Nevada Nanotechnology Center at UNLV.

NASA EPSCoR

NEW CAN AWARD

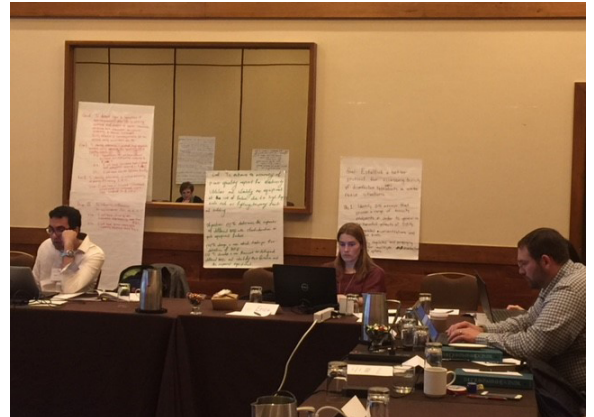
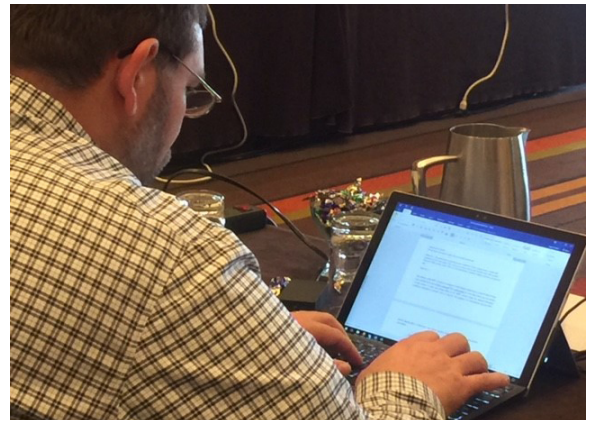
A multi-disciplinary multi-institution Cooperative Agreement Notice (CAN) has been awarded to Nevada NASA EPSCoR for \$750k federal + \$375k state match. Co-PI's Dr. Henry Sun, DRI, Dr. Brian Hedlund, UNLV, and Dr. Simon Poulson, UNR: team will address high-priority NASA research and technology needs through "Life in Salts: a Multidisciplinary Investigation of Microorganisms and Biosignatures in the Death Valley Salt Pan" (2018-2021).



NSF EPSCoR

EARLY-CAREER FACULTY PROPOSAL WRITING RETREAT

Nevada EPSCoR, through the NSF EPSCoR Solar Energy-Water-Environment Nexus in Nevada project (IIA-1301726), hosted an intensive two-day proposal writing retreat January 9-11, 2018 in Incline Village, Nevada. The retreat was facilitated by The Grantsmanship Center and provided guided proposal writing sessions for eleven faculty from the Nevada System of Higher Education. Faculty were required to work on proposals that would be submitted during Spring 2018 to state or federal funding agencies. The retreat provided them a setting where they could focus solely on writing, editing and networking with the intent to grow and sustain research. Follow up will be done Fall 2018 to see if any of the proposals were funded. (Photo credit: Michele Casella)



EPSCoR **IMPACT** in Nevada

Effecting lasting improvements and increasing research competitiveness

74
NEW HIRES
Since 1985



84%
RETENTION IN NEVADA
Since 1985



420
PROPOSALS AWARDED Since 1985
RETURN ON INVESTMENT: **\$185.4M**



NSF EPSCoR PROJECT
(NEXUS)

196

Faculty, post docs, graduate students, undergraduate and administrators

NASA EPSCoR RID
(2012-2018)

130

Participants and 103 students involved



SOLAR NEXUS IN NEVADA
UNDERGRADUATE RESEARCH
OPPORTUNITY PROGRAM (UROP)
FEATURED IMPACT IN 2016 NATIONAL
SCIENCE FOUNDATION BROCHURE



INNOVATION WORKING GROUP
ACROSS JURISDICTIONS



\$778K

AWARDED FOR 173 SCHOLARSHIPS
From 2015-2017



NSHE COUNCIL FOR UNDERGRADUATE
RESEARCH (CUR) INSTITUTE FOR BROADENING
PARTICIPATION IN UNDERGRAD RESEARCH
ASSISTED IN THE DEVELOPMENT OF THE UNLV
OFFICE OF UNDERGRADUATE RESEARCH

WELCOME KAITLYN MATSUDA



Kaitlyn Matsuda is the Student Worker at the Nevada System of Higher Education System Sponsored Programs and EPSCoR office. Part of her responsibilities include managing the social media through Facebook, Twitter, and LinkedIn and assisting with the maintenance of the WordPress websites. Kaitlyn was born and raised in Honolulu, Hawaii and is currently pursuing her Bachelors of Arts degree in Criminal Justice at the University of Nevada, Las Vegas. Welcome Kaitlyn!

<https://epscorspo.nevada.edu>