



## **SciTech Now**

30 minute weekly program

Thursdays at 7:30pm on KLRN

Chris Duel hosts this weekly newsmagazine program. The show covers everything from the IT industry to biomedical enterprises, bringing attention to the science, technology, engineering and mathematics (STEM) advancements in South Central Texas and around the country.

### **501**

**First air date/time:            January 9, 2020 7:00pm**

Recently Google and Ascension Health partnered, meaning patients information is being shared with the tech giant. But how much and what information? On the next SciTech Now, we'll talk to a cybersecurity specialist and a psychiatrist about the effects on all of us from giving away our privacy rights, online, each time we download an app or surf online.

Participants and their affiliations, titles:

Harry Croft, M.D, psychiatrist

Tom DeSot, Digital Defense cybersecurity specialist

### **502**

**First air date/time:            January 16, 2020 7:00pm**

SWRI and NASA are partnering with the Jeff Bezos of Amazon, Blue Origin sub-orbital space program. Recently, the Shephard II rocket blasted off from Van Horn, TX, with a SWRI payload aboard. The Institute is testing processes to keep fuel bubbles from forming during space flights. Spherical bubbles can be very volatile, when the fuel heats up after ignition. Engineers have designed a pyramid-shaped method to stop the spherical bubbles from forming.

Participants and their affiliations, titles:

Steve Greene, SWRI Engineer

Amy McCleney, SWRI Engineer

### **503**

**First air date/time:            January 23, 2020 7:00pm**

On tonight's episode, HOW WALKING MAY HELP DETECT ALZHEIMERS', SHOULD WE HAVE AN EMOJI FOR EVERYTHING? UNDERWATER DRONES EXPLORE THE SECRETS OF THE ARCTIC , AND, PROTECTING OUR WATER.

Participants and their affiliations, titles: Chris Duel, Host | Dr. Sudha Seshadri, Dir Glen Biggs Inst . for Alzheimers, UT Health San Antonio

#### **504**

**First air date/time: January 30, 2020 7:00pm**

Researchers at UT Health San Antonio are using a drug called Rapamycin to help curb the effects of aging on dementia. Rapamycin helps improve blood flow, and can inhibit the progression of Alzheimer's. Studies conducted on mice have been successful.

Participants: Chris Duel, Host//Veronica Galvan, Ph. D. UT Health San Antonio//Candice Van Skike, Ph. D, UT Health San Antonio

#### **505**

**First air date/time: February 6, 2020 7:00pm**

Researchers at the UTSA are using nanodisks, or magnetic technology to help stimulate brain neurons in people who suffer from neuro-muscular diseases, such as Lou Gehrig's disease. They have completed several successful treatments that they can observe under the microscope.

Participants and their affiliations, titles:

Chris Duel, Host, KLRN

Gabriela Romero Uribe, Asst Prof, Biomedical Engineering

Rohini Guntnur, Ph.D Student Biomedical Engineering

#### **506**

**First air date/time: February 13, 2020 7:00pm**

There are sports...and there are e-sports...short for electronic sports and now San Antonio's very own St. Mary's University is adding an elite 'e-team' to their athletics roster.

The university has built a brand new 'gaming arena,' that will host intramural teams and compete against other similar college gaming programs in a brand new league, focused on technology.

Participants and their affiliations, titles:

Chris Duel, Host, KLRN

Robert Coleman Dir. Ath., St. Mary's University

Mackenzie Moncada, Asst. Coach For E-Sports Team

#### **507**

**First air date/time: February 20, 2020 7:00pm**

On tonight's episode, making VR more accessible , SEEING A BLACK HOLE FOR THE VERY FIRST TIME, THE ROLE OF TECHNOLOGY IN SCHOOLS, AND, THE SECRET LIFE OF GULLS

Participants and their affiliations, titles: Chris Duel, Host | James Chandler, President Interactive Media/

**508**

**First air date/time: February 27, 2020 7:00pm**

While the world is focused on the spread of Coronavirus, researchers at UTSA and SWRI are looking for a cure for Tularemia—also known as rabbit fever. It's a deadly disease faced by our soldiers, overseas, and the Department of Defense just awarded an \$18M contract to figure out a vaccine.

Participants and their affiliations, titles: Chris Duel, Host | Karl Klose, UTSA Microbiologist/Ken Carson, SWRI Sr. Research Scientist

**509**

**First air date/time: March 26, 2020 7:00pm**

We all know how important getting a good night's sleep is—but now, UTSA researchers are investigating whether there is a connection between lack of sleep and the use of handguns amongst teenagers. The facts lean toward, 'yes,' that disrupted sleep leads to disturbed teens picking up guns—and using them.

Participants and their affiliations, titles: Chris Duel, Host | Alexander Testa, UTSA's College for Health, Community and Policy