



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.

Program number: 308

Program length: 26:46

First air date/time: April 5, 2018 7:30pm

Program description: Researchers at UTSA have just published a study that suggests the sticky plaques that cause the symptoms of Alzheimer's disease may be more complicated than previously believed, which could significantly affect Alzheimer's drug development. For this study, chemistry professors Andrea Kelley and Stephen Bach teamed with George Perry, dean of the UTSA College of Sciences and one of the most-cited Alzheimer's researchers in the world.

Participants and their affiliations, titles: Chris Duel, Host | Andrea Kelley Ph.D. Chemistry, University of Texas at San Antonio | Stephan Bach, Professor of Chemistry, University of Texas at San Antonio

Program number: 309

Program length: 26:46

First air date/time: April 12, 2018 7:30pm

Program description: In the year and a half NASA's Juno spacecraft has been orbiting Jupiter, the science team led by Southwest Research Institute's Dr. Scott Bolton has discovered that the orange and white bands that characterize Jupiter's outer atmosphere extend thousands of miles into the gas giant's atmosphere. This week, Dr. Bolton is presenting the latest findings to the conference of the European Geosciences Union in Vienna, Austria. We spoke with him at Southwest Research Institute earlier this week to learn more.

Participants and their affiliations, titles: Chris Duel, Host | Dr. Scott Bolton, Principal Investigator of Juno, Associate Vice President of SwRI

Program number: 310

Program length: 26:46

First air date/time: April 19, 2018 7:30pm

Program description: Pancreatic cancer grows fast and kills quickly. Therapies are few, but a research discovery at UT Health San Antonio may change that. We interviewed a scientist in his lab on campus, and also went to visit a patient and doctor at the Mays Cancer Center, the newly named center home to UT Health San Antonio MD Anderson Cancer Center.

Participants and their affiliations, titles: Chris Duel, Host | Sukeshi Arora, M.D., Medical Oncologist, Mays Cancer Center | Inocencio Davila, M.D. Pancreatic Cancer Patient | Bruno Doiron, Ph.D. Biomedical Researcher, UT Health San Antonio

Program number: 311
Program length: 26:46
First air date/time: April 26, 2018 7:30pm

Program description: To tell a story as important as the Alamo's, Alamo Reality combined a team of over 25 industry-leading augmented and virtual reality visionaries, historical scholars, developers, and designers. The end result will allow participants to explore the legendary siege of the Alamo, inspect the mission grounds as they were in 1836, and learn about the people who lived and died there in a personal and evocative way.

Participants and their affiliations, titles: Chris Duel, Host | Michael Mcgar, CEO Alamo Reality, Lane Traylor, Chairman Alamo Reality

Program number: 312
Program length: 26:46
First air date/time: May 3, 2018 7:30pm

Program description: Arriv.io is a company that has created a parking app of the same name that is changing the parking game. The new technology will allow for individuals to find and prepay for parking with complete ease, leading to less parking issues, lines, etc., which will be excessively helpful in the state of construction downtown is currently in. Arriv.io also takes away the tech errors that can often happen at the ticket booths and provides easy of entry/exit, less traffic and driving around and around and around.

Participants and their affiliations, titles: Chris Duel, Host | Robin Reyes, CEO & Co-Founder of Arriv.io | David Sandoval, Senior Chief Engineer – Weston Centre

Program number: 313
Program length: 26:46
First air date/time: May 10, 2018 7:30pm

Program description: A San Antonio Company named Reckon Point is finding a way to map indoors using a robot.

Participants and their affiliations, titles:
Gabrial Garza, Reckon Point, Founder and Owner

Program number: 314

Program length: 26:46
First air date/time: May 17, 2018 7:30pm

Program description: Researchers at UTSA are studying how neurons replicate themselves so that healthy brain stem cells can be grown to stimulate healing. This research could lead to breakthroughs for treating brain injuries.

We go to the University of Texas at San Antonio to learn more.

Participants and their affiliations, titles:

Chris Duel, Reporter/Host | Jenny Hsieh, Director, UTSA Brain Health Consortium

Program number: 315
Program length: 26:46
First air date/time: May 24, 2018 7:30pm

Program description: An Ebola outbreak in Africa has spread to a major metropolitan area, causing concern among scientists that the deadly disease could cause significant loss of life.

The race for a vaccine is on and ground breaking research is being done at the Texas Biomedical Research Institute right here in San Antonio.

Participants and their affiliations, titles:

Chris Duel, Reporter/Host | Ricardo Carrion, Jr., Ph.D., Associate Scientist, BSL-4 Laboratory | Jean Patterson, Ph.D., Scientist, Chair of BSL-4 Task Force

Program number: 316
Program length: 26:46
First air date/time: May 31, 2018 7:30pm

Program description: While research into climate change may prove vital to mankind's future, the fundamental component to this research is data; where does this data come from? How is it collected? How reliable is it? And how is it analyzed? We go to the University of the Incarnate Word, where Dr. Gerald Mulvey shows us multiple sources of data used to survey the climate of the past and present, for a better understanding of the future.

Participants and their affiliations, titles: Chris Duel, Host | Dr. Gerald Mulvey, Assistant Professor of Meteorology University of the Incarnate Word

Program number: 317
Program length: 26:46
First air date/time: June 21, 2018 7:30pm

Program description: ALZHEIMER'S IS A DEGENERATIVE BRAIN DISEASE KNOWN TO AFFECT PEOPLE'S MEMORIES AND COGNITIVE ABILITIES. WHILE THERE'S NO CURE, RESEARCHERS AT THE UNIVERSITY OF TEXAS AT SAN ANTONIO ARE ANALYZING THE DISEASE AND THE ROLE OF OUR BRAIN'S NEURONS. HERE'S THE STORY.

Participants and their affiliations, titles: Chris Duel, Host | HAEUN KIM Senior, University of Texas at San Antonio | HYOUNG-GON LEE, Ph.D., John H. Doran Distinguished Professor in Peripheral Neuropathy, University of Texas at San Antonio

Participants and their affiliations, titles: Chris Duel, Host

Program number: 318

Program length: 26:46

First air date/time: June 28, 2018 7:30pm

Program description: Tuberculosis is a danger locally and globally, but at The Texas Biomedical Research Institute, we learn how the new Tuberculosis research team is working to find a vaccine and perhaps a cure for the world's deadliest infectious disease.

Participants and their affiliations, titles: Chris Duel, Host | Larry Schlesinger, M.D President / CEO, Texas Biomedical Research Institute | Joanne Turner, Ph.D. Vice President for Research, Texas Biomedical Research Institute | Jordi Torrelles, Ph.D. Scientist, Texas Biomedical Research Institute