SciTech Now
30 minute weekly program
Fridays at 8:30pm 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: 213
Program length: 26:46
First air date/time: April 7, 2017 7:30pm

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: 214
Program length: 26:46
First air date/time: April 21, 2017 7:30pm

Two UTSA professors, one in civil engineering and one in physics, have created a light-activated nanomaterial that can purify water, essentially doing the work of a water treatment plant on a small scale. The researchers just received a grant from the National Science Foundation to continue their work, which is now mainly focused on making the material reusable. Let's learn more inside the lab at the University of Texas at San Antonio. Naturally, this invention could have a great impact on water filtration in the home as well as in underdeveloped areas, where the infrastructure for a water treatment plant doesn't exist. We'll continue to follow the progress being made at UTSA.

Participants and their affiliations, titles: Chris Duel, Host | | |

Program number: 215
Program length: 26:46
First air date/time: April 28, 2017 7:30pm

A TECH ENTREPREUNER COMBINES HIS LOVE OF COMPUTERS WITH HIS LOVE OF RANCHING AND CATTLE BY CREATING AN APP MADE FOR AUCTIONING CATTLE. IT 'S PURE TEXAS, IT'S UNIQUE, AND IT'S A MAJOR TIMESAVER AND MONEY SAVER FOR RANCHERS WHO ARE AUCTIONING OFF THEIR HERDS. YES, THERE IS AN APP FOR THAT.

Participants and their affiliations, titles: Chris Duel, Host

Program number: 216
Program length: 26:46
First air date/time: May 5, 2017 7:30pm

Local company, MergeVR, creates the first virtual hologram toy called the MergeCube

Participants and their affiliations, titles:
Chris Duel, Host

Program number: 217
Program length: 26:46
First air date/time: May 12, 2017 7:30pm

David Akopian, professor of electrical and computer engineering at The University of Texas at San Antonio (UTSA), and his team of talented students have created a series of automated messaging systems that can simulate human conversation, known as "chat-bots," with the intention of promoting smoking cessation and healthier living. Akopian believes the chat-bots could aid thousands of smokers all over Texas quit smoking through guided communications.

Participants and their affiliations, titles:
Chris Duel, Host
David Akopian, Professor of Electrical and Computer Engineering University of Texas at San Antonio
Devasena Inupakutika, PhD Student Electrical Engineering University of Texas at San Antonio
Sahak Kaghyan, Postdoc Research Scientist University of Texas at San Antonio

Program number: 218
Program length: 26:46
First air date/time: May 19, 2017 7:30pm

Computer experts at UTSA have created a technology called PerSim, an augmented reality simulation that trains first responders in a realistic situation. The invention is lower cost than current training for medical professionals, and is also portable. PerSim utilizes a HoloLens to allow the trainee to see a virtual person with symptoms of a certain ailment or injury. They are then able to learn first-hand what a host of different conditions look like in a situation very similar to real-life.

Participants and their affiliations, titles:
John Quarles, Associate Professor of computer science, UTSA

Program number: 219
Program length: 26:46

First air date/time: May 26, 2017, 2016 7:30pm

While most students study science, technology, engineering, and math, at San Antonio's School of Science and Technology a 10th grader recently applied his studies to make a difference in a young boy's life.

Participants and their affiliations, titles:
Abel F. De Leon, Dean of Academics of School of Science and Technology
Murat Soruc, Technology Teacher at School of Science and Technology
Justin Cantu, 10th grader at School of Science and Technology

Program number: 220
Program length: 26:46
First air date/time: June 2, 2017 7:30pm

Local leaders from the business, government and tech sectors gathered for a summit at the Pearl Stable this week to explore the "Internet of Things," including how our daily lives are connected to the internet and how the community can further benefit from emerging innovations. The event was sponsored by San Antonio's EPIcenter and focused on leveraging technology for the benefit of business, government and the city as a whole. SciTech Now attended the summit to learn more about the future of doing business and living in a networked economy.

Participants and their affiliations, titles:
Kimberly Britton, CEO, EPIcenter
Dave Milam, Chief Product Officer, WellAware
Morris Miller, CEO Xenex
Michael Sciortino, Sales Executive, View Dynamic Glass

Program number: 221
Program length: 26:46
First air date/time: June 23, 2017 7:30pm

Southwest Research Institute in San Antonio is known for breakthrough innovations in everything from automotive and aircraft engineering to space exploration. But SwRI engineers are also making groundbreaking advances in human performance optimization. SciTech Now goes inside the Human Performance Laboratory to learn about new technology for tracking and analyzing biomechanics and how these tools will ultimately benefit elite athletes, the military and the population as a whole.

Participants and their affiliations, titles:
Kase Saylor, Manager of Research and Development, Southwest Research Institute

Program number: 222
Program length: 26:46
First air date/time: June 30, 2017 7:30pm

A glimpse into the future of our energy efficient and self-sufficient homes will look like. The creation of a therapy tool for post-traumatic stress to help soldiers with anxiety. Students get a head start on stem studies. College students from IW make self-sufficient homes. South Florida University researchers study effectiveness of accelerated resolution therapy.

Participants and their affiliations, titles:
Chris Duel