



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: 329

Program length: 26:46

First air date/time: October 4, 2018 7:30pm

You've probably seen drones in the sky; they're becoming more and more popular as drones have become more user-friendly and are capable of beautiful photography, but what happens when drones fall into the wrong hands and become dangerous? A new startup called, "Drones for Prey" have teamed up with the EPIcenter to create new technology to combat drones with bad intent.

Participants and their affiliations, titles: Chris Duel, Host | Kimberly M. Britton, CEO EPIcenter | Michael Cohen, Founder/CEO Drones of Prey

Program number: 330

Program length: 26:46

First air date/time: October 11, 2018 7:30pm

Fluorine is a fundamental element in life. We use it to treat our drinking water and used in pharmaceuticals that can save lives. A major discovery at a UTSA lab regarding fluorine and how other molecules bond with it could revolutionize pharmaceuticals and more.

Participants and their affiliations, titles: Chris Duel, Host | Aimin IU, Professor of Biochemistry, UTSA | Jiasong Li, Ph.D, Department of Chemistry, UTSA | Ian Davis, Visiting Researcher | Yifan Wang, Ph.D Candidate, UTSA

Program number: 331

Program length: 26:46

First air date/time: October 25, 2018 7:30pm

They call them undead...or Zombie cells..and when mixed with the tangled proteins in the brain caused by Alzheimer's, can be lethal. But researchers at UTHealth San Antonio have revealed a new way to minimize this tissue and it may lead the way in the fight against that disease.

Participants and their affiliations, titles: Chris Duel, Host | Miranda Orr, Ph.D. Barshop and Biggs Institutes UT Health San Antonio

Program number: 332

Program length: 26:46

First air date/time: November 1, 2018 7:30pm

Virtual Reality has been used for many applications, but what about in the classroom? To answer this, we go to the University of Texas at San Antonio, where they demonstrate how virtual reality has many benefits, including the opportunity to perform open heart surgery.

Participants and their affiliations, titles: Chris Duel, Host | Yusheng Feng, Professor, Mechanical & Biomedical Engineering, UTSA | Sarah Legette, Graduate Research Assistant, UTSA | Mando Rodriguez, Research Solutions Engineer, UTSA

Program number: 333

Program length: 26:46

First air date/time: November 8, 2018 7:30pm

Research is being done inside a UTSA laboratory to develop with a 3D printer, injectable devices that can deliver medication inside tumors and other parts of the body. We go inside the lab to find out more.

Participants and their affiliations, titles: Chris Duel, Host | Dr. Lyle Hood, Assistant Professor, Mechanical Engineering, UTSA | Austin Schoppe, Undergraduate Biomedical Engineering, UTSA | Priya Jain, Graduate Research Assistant, Biomedical Engineering Program, UTSA & UT Health San Antonio | Joshua Gale Undergraduate Research Assistant, UTSA

Program number: 334

Program length: 26:46

First air date/time: November 15, 2018 7:30pm

San Antonio's Baptist's Health System is the first to use what's called Rapid Stroke technology, which simply means that rather than going to radiology room to read the patient's CT scans, Rapid Stroke transmits those scans directly to the doctor's cell phone, so he sees them on the spot.

Participants and their affiliations, titles: Chris Duel, Host | Dr. Justin Mascitelli, Assistant Professor, Neurosurgery – University of Texas at San Antonio, St. Luke's Baptist Hospital

Program number: 335

Program length: 26:46

First air date/time: November 29, 2018 7:30pm

You've seen how a car's GPS navigation system works to help guide you where you want to go, but what about a GPS system for your body?

Veran Medical Technologies' SPiN System, is redefining the standard of care for early lung cancer diagnosis and precision thoracic guidance for treatment, by helping to locate target nodules and plot the path to sampling.

Participants and their affiliations, titles: Chris Duel, Host | Aldo Parodi, M.D. Pulmonary, Critical Care, and Sleep Medicine

Program number: 336

Program length: 26:46

First air date/time: December 13, 2018 7:30pm

INNOVATIVE STUDENT PROJECTS RECENTLY DISPLAYED AT A UTSA TECH SYMPOSIUM HAD COLLEGE ENGINEERING STUDENTS PUTTING ON THEIR SUITS, POLISHING THEIR PRESENTATION SKILLS AND SHOWING THE NEXT GREAT IDEA—SOLUTIONS TO THE WORLD'S PROBLEMS. INCLUDING ONE STUDENT JUST MIGHT HAVE THE BEST SOLUTION TO THE MILES AND MILES OF PLASTIC BOTTLES CLOGGING OUR OCEANS AND LITTERING THE LANDSCAPE. AND IT ALL HAS TO DO WITH 3-D PRINTING.

Participants and their affiliations, titles: Chris Duel, Host | Robert Oakley, Senior, UTSA | Nicholas Ballesteros-Velas, UTSA | Triaja Blake, UTSA | Joann Browning, Dean of Engineering, UTSA | George Karutz, Investor/Mentor

Program number: 337

Program length: 26:46

First air date/time: December 20, 2018 7:30pm

With so many great SciTech segments in 2018, it was a real challenge to pick the three that we think tell some of the best stories. But...here goes...

First up, a UT Health San Antonio researcher studying so called zombie cells in the development of Alzheimer's. Dr. Miranda Orr knows the disease first-hand, as it runs in her family...Here is our segment Zombie Alzheimer's

In addition to cutting edge medical technology, we came across some of the best and brightest innovators in our City—college seniors, who on the side, teamed up to invent new solutions to some real problems...at the UTSA tech symposium.

And finally, a mouthwash being studied at UT Health San Antonio that they hope will be used in the treatment a dangerously aggressive and recurrent form of oral cancer.

Participants and their affiliations, titles: Chris Duel, Host | | Miranda Orr, Ph.D. Barshop and Biggs Institutes UT Health San Antonio | Robert Oakley, Senior, UTSA | Nicholas Ballesteros-Velas, UTSA | Triaja Blake, UTSA | Cara Gonzales, Associate Professor of Comprehensive Dentistry, UT Health San Antonio

Note: The delay in uploading this document was due to the shutdown of the government and document was filed as soon as possible after the government reopened.