



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: 223

Program length: 26:46

First air date/time: July 7, 2017 7:30pm

Two graduate students from the University of Texas at San Antonio have collaborated to form a new medical start-up company called NovoThelium, which is conducting research to use bioengineered scaffolds to allow women to regenerate nipples after a mastectomy. NovoThelium takes donor nipple tissue and process it to remove cells and DNA, rendering it capable of regenerating nipples on patients. This revolutionary technology could be the next breakthrough for cosmetic reconstruction after mastectomies.

Participants and their affiliations, titles:

Lauren Cornell
Translational Science Ph.D. Candidate
Co-founder, NovoThelium

Bianca Cerqueira, Ph.D.
Co-founder, NovoThelium

Program number: 224

Program length: 26:46

First air date/time: July 14, 2017 7:30pm

Program description: A San Antonio medical device company has developed a hand held device that looks like a smart phone but generates pure oxygen from a tiny fuel cell and treats chronic wounds.

This technology oxygenates the wounds, frequently speeding up the healing process and dramatically minimizing the need for below the knee amputations.

On the next SciTech Now, we go to EO2 Concepts in to learn more about this device and how it is making a positive impact on diabetics and other patients needing specialized treatment.

Participants and their affiliations, titles:

Mark Niederauer, PH.D. with EO2 Concepts

Program number: 225

Program length: 26:46

First air date/time: July 21, 2017 7:30pm

NASA has released a new flyby video of Pluto using data acquired from the New Horizons space probe, which had a close encounter with the distant world two years ago.

We show you the fascinating video and go to Southwest Research Institute in San Antonio, where a large portion of the science and engineering was done on the New Horizons mission, to learn more about Pluto and the next exciting destination for the space probe.

Participants and their affiliations, titles:

Dr. Randy Gladstone, Lead Scientist, Southwest Research Institute

Program number: 226

Program length: 26:46

First air date/time: July 28, 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: 227

Program length: 26:46

First air date/time: August 4, 2017 7:30pm

Most of us tune in to television news to keep in touch with the latest weather forecast. But how do television meteorologists create these forecasts? On the next SciTech Now we go to San Antonio television station KSAT-12 where meteorologist Sarah Spivey shows us the technology behind the weather.

Participants and their affiliations, titles:

Sarah Spivey, Meteorologist, KSAT 12

Program number: 228

Program length: 26:46

First air date/time: August 11, 2017 7:30pm

Researchers at the University of Texas at San Antonio are trying to understand why brain cells, which cannot divide, try to do so when affected by Alzheimer's.

Brain cells try to heal by creating new cells, which is normal for other cells, but die because they cannot finish the process. Researchers are trying to understand why this happens, and see if they can help them divide and recover from the disease.

Participants and their affiliations, titles:

Chris Duel, Host

Hyoung-gon Lee, PhD, UTSA Professor

Haeun Kim, Research Student, UTSA

Program number: 229

Program length: 26:46

First air date/time: August 18, 2017, 2016 7:30pm

Program description: San Antonio College is helping resident safely watch the Solar Eclipse. We talk with teachers at the SAC Planetarium about the eclipse, what we can see, and how to safely view it.

Participants and their affiliations, titles:

Natasha N. Sobers

Coordinator of Program Development

Scobee Education Center

San Antonio College

Rick Varner, director

Scobee Education Center

San Antonio College

Program number: 230

Program length: 26:46

First air date/time: August 25, 2017 7:30pm

NASA has released a new flyby video of Pluto using data acquired from the New Horizons space probe, which had a close encounter with the distant world two years ago.

We show you the fascinating video and go to Southwest Research Institute in San Antonio, where a large portion of the science and engineering was done on the New Horizons mission, to learn more about Pluto and the next exciting destination for the space probe.

Participants and their affiliations, titles:

Dr. Randy Gladstone, Lead Scientist, Southwest Research Institute

Program number: 231

Program length: 26:46

First air date/time: September 1, 2017 7:30pm

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: 232

Program length: 26:46

First air date/time: September 7, 2017 7:30pm

Forecasting Hurricanes from space with satellites built in San Antonio.

Participants and their affiliations, titles:

William Wells, Senior Research Engineer, Southwest Research Institute

Program number: 233

Program length: 26:46

First air date/time: September 14, 2017 7:30pm

Groundbreaking technology to make buildings safer during earthquakes

Participants and their affiliations, titles:

Dr. Wassim Ghannoum, Associate Professor of Civil & Environmental Engineering, University of San Antonio