

Newsletter

TCU ENERGY INSTITUTE

Issue 6

Spring 2017

Students



Our energy students tackle a cross-disciplinary curriculum that they critically need to tie seemingly disconnected fields of the energy sector together.

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Research



Dr. Richard Denne presents his research on "the asteroid that rocked the world".

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Community



There is a renewed community interest in the unique TCU Royalty Program Workshops in 2017.

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Our mission:

To create, promote, and teach cutting-edge energy, energy management, and energy-related technology.



(Above) In Austin, Veronica Merrill and Dr. Ken Morgan continue to work with the Texas Natural Gas Foundation on the Texas Energy and Texas Emissions Reduction Plan (TERP), and its positive impact on air quality and its cost-effectiveness in reducing emissions.

(Right) Texas State Representative Jason Isaac, Veronica Merrill, Heather Ball, Ken Morgan, and Carrie Nelson, working for smart and sound Texas energy solutions.



Announcing TCU Energy Institute Board Chair Change:

Outgoing Chair: Larry Brogdon, Chair/Four Sevens

Incoming Chair: Casey Patterson, Terrace Energy

Thank you, Larry, for your many years of service and leadership, and all that you have done for us.

Welcome, Casey, we look forward to you taking on your new role at the TCU Energy Institute Board.

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Students



From The Chronicle of Higher Education:

"Today, for the most part, higher education for students interested in energy lacks the cross-disciplinary curriculum that they critically need, and so we propose the adoption of energy departments on college campuses, departments that would tie seemingly disconnected fields of the sector together."

Solution? SOCI 30223.



(Above) Students learn to challenge their own geo-political views to make ethical decisions for energy choices.

(Right) Dr. Ed Ireland's TCU Energy MBA students visited Lloyd's of London on their Spring Break tour of Paris, Brussels and London's energy business centers.



(Far right) Visionary speaker Robert Perron, from Queensland University of Technology in Brisbane Australia.



NEW ENERGY COURSE THIS SPRING

A new energy course was needed, one that taught across disciplines, reflecting the varied roles necessary in the energy industry. TCU offered just such an approach this spring, with the Energy Across the Disciplines course, taught by Drs. Michelle Edwards (Sociology), Ken Morgan (Geology), Tim Barth (Psychology), Mike Slattery (Environmental Science), as well as Manoj Dorraj (Political Science).



Our global energy demands continue to rise. This course brought together TCU faculty from across the campus to engage students in a multi-disciplinary discussion of energy issues:

- Ethical decisions
- Geo-political views
- The process of decision-making
- The pros and cons of different energy sources
- Training to help make informed energy decisions based on scientific facts, (not misinformation)

This new course, which counts towards the Energy Minor, had the stated purpose is to provide an opportunity for students to think more critically about energy issues from a cross-disciplinary perspective. The exposure to many points of view and applications helps in the acquisition of the critical thinking skills needed for understanding and developing potential solutions to contemporary energy problems. Hopefully, these students learned to better prepare to lead our energy future, gather information, evaluate conflicting views, and develop discussion and research skills.

SPRING ENERGY SPEAKER

Thanks to the Ken Davis Jr. Leaders in Energy Series, TCU students, both undergraduate students as well as graduate students from the Energy MBA Program, joined industry leaders at the Networking session prior to the dinner and speaker presentation.

Our featured speaker, Dr. Robert Perrons, from Queensland University, Australia, discussed the historical unbundling of the big oil companies and technology, due to the emergence of service companies, with "Schlumberger Inside: How Technological Know-How Fundamentally Re-Shaped the Competitive Landscape of the Oil & Gas Industry."

A huge thank you to Frank Iannelli and Stephen O'Neal for inviting industry leaders and to the TCU Energy MBA Program for sponsoring the well-attended networking reception.

Our deep sympathies go to the family of Ken Davis Jr., who passed away this spring. He was a successful businessman and a great friend to the TCU Energy Institute.

Research



Featured speaker at this year's Chancellor Council Dinner: our Hunter Enis Endowed Chair, Dr. Richard Denne.



**RESEARCH PRESENTATION
Chancellor's Council Dinner
This March:
The Chicxulub Story**

Dr. Larry Brogdon and his wife Patti co-hosted the Chancellor's Council Dinner, with the TCU Energy Institute as the featured group. Dr. Richard Denne spoke, explaining the details of his research to a fascinated crowd, highlighting his important work on Chicxulub, "the asteroid that rocked the world".



(Above and right) Spring is a good time for field trips. Travel is among the many fun things that involve energy research, as defined by Denne and his students.



in Organic-rich Mudrocks"

DFW Association of Lease and Title Analysts' Spring Seminar Presenter: "Basins of Texas"

Richard Denne is also the faculty advisor for AAPG-IBA team. The team proudly finished in 3rd place at the Southwest Section in Dallas. He is currently teaching the course, "Stratigraphy and Petroleum Geology of Texas," which included an exciting student field trip to Del Rio to look at the Eagle Ford.



Persuasive New Documentary Film Shown at the TCU Energy Institute

Thanks to all those who came to view our debut showing of the enlightening pro-industry documentary, "Fractured" last night: our friends and energy professionals, undergraduate energy students and Energy Club Members, faculty and Energy MBA grad students. (Above)

In addition to being in this spotlight in front of donors and TCU friends, he has been busy with the following:

Attended American Association of Petroleum Geologists Conference in Houston (April)

North American Micropaleontology Section of the Society for Sedimentary Geology's Microfossils IV conference speaker, Houston (April): "Sequence Biostratigraphy

Denne is the Hunter Enis Chair in Petroleum Geology, School of Geology, Energy, and the Environment and shares a joint assignment in the TCU Energy Institute.

Community



As prices rise and optimism surges, there is new global interest in learning about energy and royalties.



(Above and right) Dr. Morgan addresses the Royalty Owners Program . The Oil and Gas Energy Future, a Royalty Owner Program Workshop, is also taught by Dr. Morgan.



TCU Energy Institute Offers In-Depth Workshops for the Community

The TCU Energy Institute started 2017 with a sold-out presentation of the introductory segment of the Royalty Owner Program. On January 18, participants flew in from Singapore, Dubai, Maui, and all over Texas for the informative workshop.

The Royalty Owner Program

The Institute offers this introductory program to existing and prospective royalty owners who want to acquire the knowledge and skills to manage their mineral assets more effectively. The program is also open to attorneys, accountants, financial advisers, and consultants who work closely with mineral owners. These instructors are certified mineral managers and experienced mineral owners who have broad experience in teaching the fundamental skills that royalty owners must possess to interact effectively with operators and maximize the return on investment in their mineral assets.

The Advanced Royalty Owner Program

This program was held in February, and

focuses on more advanced legal and operational concepts that large and medium-sized mineral owners must be familiar with to maximize the return on investment in their mineral assets. It is also open to licensed professionals who advise and support large mineral owners, including attorneys, accountants, financial advisers, trust officers, lenders, investors, estate planners, consultants, and minerals managers. Participants who successfully complete the program will be awarded a certificate from the TCU Energy Institute signifying that they have mastered this body of knowledge.

Our Oil and Gas Future (top right)

This new program, led by Dr. Ken Morgan, focuses on the modern day unconventional shale plays and how they differ from conventional oil and gas exploration and development. It provides mineral owners with a basic understanding of the geology of the minerals that they own and how they are identified, produced, and sold. It also covers “hot topics” that mineral owners must understand to take full advantage of these valuable assets. These topics include seismic exploration, horizontal drilling, hydraulic fracturing, waste water disposal, and environmental issues. This program

is also open to licensed professionals who advise and support large mineral owners, including attorneys, accountants, financial advisers, trust officers, lenders, investors, estate planners, consultants, and minerals managers. Participants who successfully complete the program will be awarded a certificate of completion.

To date, over 2,000 royalty owners have attended these workshops.

How to Sign Up

If you are interested in these and other various Royalty Owner Programs, please be sure and look for the upcoming schedule listed at www.cerenergyinstitute.com or call Ashley at 800-255-1261.

Did you know?

Dr. Ken Morgan often is asked to be on DFW radio station WBAP to discuss his expert energy views. Most recently he was asked to tell the community about the potential for the Permian basin, ExxonMobil’s latest purchase and the excitement spreading across the industry.