

THANK YOU TO OUR HOSTS & SPONSORS

The University of Texas at Austin































CONTENTS

Welcome	3
Friday: Hot Science - Cool Talks	4
Monday: Startup Competition	5
Tuesday Sessions	8
UT Energy Tours	10
Program Overview	12
Wednesday Sessions	14
Student Research Competition	16
Thursday – Friday: TJOGEL	20
Friday: KBH Symposium	22
Maps	24

ENERGY WEEK WIFI ACCESS

- 1 Connect to the attwifi network
- 2 Open your web browser
- 3 Click on "Use A Coupon"
- 4 Enter WPAS-XRXB-BR



Longhorn Energy Club seeks to leverage the world-class academic, co-curricular, and extra-curricular energy opportunities at UT for the betterment of all members of the UT community. In particular, the aim of this organization shall be to build community and collaboration between students at UT, support energy-related activities and events, and to aid members in pursuit of energy careers.

Hector Arreola	President
Ticotol Alleola	······································
John AdamoV	P of Entrepreneurship/Corporate Relations
Felipe Cardoso	VP of Research
Aanandh Chandrasekar	VP of Entrepreneurship
Pamela Daitch	VP of Finance
Maria Fernanda De la Fuente	Speakers Chair
Benjamin Griffiths	Vice Chair
Drake Daniel Hernandez	Energy Week Co-Chair
Brooke Holleman	Energy Week Co-Chair
Harshit Jayaswal	VP of Research
Andrew Martin	VP of Professional Development
Maria J Martinez Pinanez	VP of K-12 Outreach
Erica Pocs	VP of Marketing
Saad Siddique	Energy Week Logistics Chair

UT Energy Week 2017

Welcome to the third *UT Energy Week*, co-hosted by The University of Texas at Austin Energy Institute, the KBH Center for Energy, Law & Business, and two student-run organizations – the Longhorn Energy Club and the Texas Journal for Oil, Gas, and Energy Law. The conference is also supported by schools and colleges engaged in energy research across the UT Austin campus.

UT Energy Week is designed to showcase the interdisciplinary collaboration and sharing of expertise we believe is essential in identifying and solving complex energy problems facing our world.

Our goal for the conference is three-fold: to create a platform for experts representing varying points of view to provide their insights on vital energy issues and emerging trends; to highlight the work of UT Austin students involved in energy research; and to demonstrate the depth and breadth of knowledge among scientists and other researchers at UT Austin, *the* energy university.

Through a series of panel discussions and keynote addresses you'll hear spirited discussions on a variety of energy topics, including entrepreneurship in the oil and gas industry, the continued integration of renewable energy onto the electric grid, the evolving utility-consumer relationship, and the outlook for President Trump's energy policies.

On Thursday and Friday, Feb. 9-10, the Texas Journal for Oil, Gas, and Energy Law will host a symposium exploring a range of topics, including cybersecurity ethics in the oil and gas industry, lessons learned from the downturn in oil prices, and an outlook for the Texas legislative session.

On Friday, Feb. 10, the KBH Energy Center will host its second annual symposium – "The Future of the Oil and Gas Industry: Peak Oil or Peak Demand – What's on the Horizon?" – at the Four Seasons Hotel in downtown Austin.

Be sure to check out the student energy research poster competition and startup challenge, which offers cash and prizes for innovative approaches to solving vexing energy challenges.

UT Energy Week also features several affiliate events, including a demonstration of the university's famed Petroleum Engineering Department's labs, a tour of the School of Architecture's solar decathlon project, and a walk-through of the campus' ultra-efficient power system and micro-grid.

View the complete schedule for *UT Energy Week* in this program, or check out the online schedule of events at http://energyweek.utexas.edu/2017-program/

Thank you for attending *UT Energy Week 2017* and for giving us the opportunity to share with you some of the vital energy research taking place at UT Austin.

Sincerely,

Dr. Thomas F. Edgar Director, Energy Institute Hector Arreola President, Longhorn Energy Club

Friday, February 3

Monday, February 6

Hot Science Cool Talks

UT Environmental Science Institute

CLIMATE AND FAITH, MONEY AND POLITICS: CAN WE BUILD A SUSTAINABLE FUTURE?

AN EVENING AT THE PARAMOUNT THEATRE WITH DR. KATHARINE HAYHOE, CLIMATE SCIENTIST, AUTHOR, AND AWARD-WINNING COMMUNICATOR

COMMUNITY SCIENCE FAIR: 5:45 – 6:45 P.M. TALK WITH Q & A: 7:00 – 8:30 P.M.

What risks does climate change pose to Texas? Is a safe and sustainable future possible, given our energy and economic interests, and widespread political rejection of these risks? And why are evangelicals so opposed to accepting the science of climate change? Join us for a lively discussion with Dr. Katharine Hayhoe, climate scientist and an award-winning communicator.

Katharine Hayhoe is an internationally-known atmospheric scientist, author, communicator, and Director of the Climate Science Center at Texas Tech University. She is also an outspoken Christian, the daughter of missionaries and wife of a pastor. She has been featured in the recent South by South Lawn event at the White House and the documentary series Years of Living Dangerously. She has been named one of Christianity Today's 50 Women to Watch (2012), TIME magazine's 100 Most Influential People (2014), Foreign Policy's 100 Leading Global Thinkers (2014), and the POLITICO 50 list of thinkers, doers and visionaries transforming American politics (2016). In 2014, she received the American Geophysical Union's Climate Communication Prize.

Energy Technology Open Competition

Location: Texas Union Building, UT Austin Campus

The University of Texas at Austin invites Texas students, faculty and the startup community to share their ideas, win cash prizes, and meet investors and prospective customers across four categories: Oil & Gas, CleanTech, Energy & Water Efficiency, and Software.

The Texas Energy Technology Open collaborates with the existing energy innovation ecosystem. We work with other startup competitions and organizations to establish a standard application for entrepreneurs. Competitors are able to submit their application to other competitions with minimal additional effort.

We believe that any innovation cluster must be entrepreneur-driven. We encourage competitors to help set the tone of this competition by inviting audience members, be they investors, entrepreneurs, or other parties.



The University of Texas at Austin what starts here changes the world

Energy Technology

Open Competition

STARTUP COMPETITION JUDGES

OIL AND GAS

Luis Alcoser BP Ventures

Jason Wible ARPA-E

Harlan Beverly Texas Venture Labs (TVL)

CLEANTECH

Jonathan Blackburn Cleantech Open
Kirk Coburn SURGE Ventures
Bert Haskell Pecan Street Inc
Steve Smaha Angel Investor
Jose Beceiro TXU. NSTXL

RESOURCE EFFICIENCY

Katharine Beisner SunPower

Bart Bohn Austin Technology Incubator (ATI)

Becky Taylor SensorRX
Jeff Auster Genesis

SOFTWARE

Shane Walsh Arena Growth Partners

George Schaefer Galvanize

Jitendra Jain Office of Technology Commercialization (OTC)

Julie Goonewardene UT Horizon Fund Jeremy Adelman Energy Foundry In addition to cash prizes, Texas students, faculty, and entrepreneurs who participate in the 2017 Energy Technology Open Competition will be competing for the chance to join Austin Technology Incubator's Student Entrepreneur Acceleration and Launch (SEAL) program. The intensive, mentor-driven program is designed to help student entrepreneurs tackle the most difficult questions of their new ventures and to accelerate them toward a go/no-go decision. Since 2009, 100 students have participated by taking over 50 ventures through the ATI SEAL program, and two-thirds of SEAL graduates successfully raised capital or bootstrapped the company to market.

The 2017 Energy Technology Open Competition is supported by the following sponsors:





Tuesday, February 7

Natural Resources

8:15 - 9:00 9:00 - 10:00	REGISTRATION KEYNOTE	12:45 – 2:00	LUNCH & OPEN MIC: PRESIDENT TRUMP'S ENERGY POLICY Michael Webber, Deputy Director, UT Austin
	Robert Armstrong, Director, MIT Energy Initiative		Energy Institute
10:00 – 11:15	THE ENERGY FRONTIER: HOW TO INVEST IN FUTURE RESOURCES?	2:00 – 3:30	CHANGING SUPPLY & DEMAND IN THE ENERGY SECTOR
	Peter Flemings, <i>Professor, UT Austin Jackson</i> School of Geosciences Alan Lloyd, <i>Research Fellow, UT Austin Energy</i>		Marianne Kah, <i>Chief Economist, ConocoPhillips</i> Todd Onderdonk, <i>Senior Energy Advisor, Corporate</i> Strategic Planning, ExxonMobil
	Institute		Corey Grindal, Vice President of Supply, Cheniere
	Schonna Manning, <i>Director of R&D, UTEX Culture</i> Collection of Algae, Co-Director, ATP3 Education and Training		Gürcan Gülen, Research Scientist, Bureau of Economic Geology, UT Austin Jackson School of Geosciences
	Carey King, Assistant Director, UT Austin Energy Institute (Moderator)		Richard Chuchla, Energy and Earth Resources Graduate Program Director, UT Austin Jackson School of Geosciences (Moderator)
11:15 – 11:30	BREAK	3:30 - 3:45	BREAK
11:30 – 12:30	ENTREPRENEURSHIP IN OIL & GAS Mike Witte, COO, RigUp	3:45 – 4:45	ENERGY COMPANIES OF THE FUTURE: OIL, GAS & MORE
	Steve Skinner, President & CEO, Ursa Resources Russell Parker, CEO, Phoenix Natural Resources		Michael J. Liebman, Senior Vice President, Operations, BP Wind Energy
	Allen Gilmer, Chairman & CEO, Drillinginfo		Johnna Van Keuren, VP for New Energies, Shell
	Mukul Sharma, Professor, UT Austin Department of		Bob Lukefahr, Director, NG Solutions
	Petroleum & Geosystems Engineering (Moderator)		Russell Gold, Senior Energy Reporter at the Wall Street Journal (Moderator)
12:30 – 12:45	BREAK	5:00 - 6:30	TOURS (see details on page 10)

Tuesday, February 7

UT Energy Tours | TEMC

5:00 - 6:00PETROLEUM ENGINEERING TOUR

The Petroleum Engineering Department will provide you with an insider look at several key research areas including: Geomechanics laboratory which has capabilities for a wide range of rock property tests and experiments; Computerized Tomography (CT) laboratory where CAT scans are used to reconstruct data from multiple X-ray images of internal structures; and an interactive state-of-the-art 3D drilling simulator. Please join us to learn more about how the UT Petroleum Engineering Department is leading the way in addressing and solving important issues that will lead to energy security. The tour will take place in the Chemical and Petroleum Engineering Building (CPE) from 5:00-6:00 p.m. on Tuesday, February 7. Tour participants will meet in lobby 2.500 (west side of the building, nearest Speedway).

5:15 - 6:00SCHOOL OF ARCHITECTURE **ENERGY INITIATIVES TOUR**

The School of Architecture (SOA) tour will include a presentation of energy-related work by the SOA students and faculty and a quick view of the facilities, including the Thermal Labs. Students and faculty will present recent projects such as the Solar Decathlon Net Zero house prototype, the Pike Powers Lab, and the Thermal Labs. Please join us for this valuable look at SOA energy initiatives! The tours will take place in Sutton Hall, room 2.112, from 5:15-6:00 p.m. on Tuesday, February 7.

5:30 - 6:30UT AUSTIN POWER PLANT TOUR

The Carl J. Eckhardt Combined Heating and Power Complex is often described as the largest and most integrated microgrid in the U.S. The University of Texas at Austin campus features a Combined Heat and Power plant (CHP) with a 135 MW power capacity and 1.2 million lb/ hr steam generation capacity. It provides 100% of the electricity and heating for the university's main campus. This includes 4 chilling stations and a 4 million gallon chilled water thermal storage tank that provides the cooling requirements for 18 million square feet. Connections to the City of Austin electrical grid exist only for emergency backup, providing the university independence in generating all utilities required for a campus the size of a small city. Please join us for this informational, behind the scenes tour of one of the largest microgrids in the nation. The tour will take place from 5:30-6:30pm on Tuesday, February 7, at the UT Power Plant Expansion Building (PPE), located at 2401 San Jacinto Boulevard, 78705.

5:30 - 7:30TEXAS ENERGY MANAGEMENT COUNCIL (TEMC) ENERGY WEEK PANEL

Midstream 2020: How will a New Administration & Global Markets Change U.S. Infrastructure? Darrel K Royal - Texas Memorial Stadium Centennial Room (9th Floor West)

FRIDAY, FEBRUARY 3 HOT SCIENCE – COOL TALKS Climate and Faith, Money and Politics:

Climate and Faith, Money and Politics

Can We Build a Sustainable Future?

Dr. Katharine Hayhoe

Paramount Theatre

http://www.esi.utexas.edu/talk/climate-faith/

MONDAY, FEB. 6
ENERGY TECHNOLOGY
OPEN COMPETITION
see page 5

Tuesday, February 7

<u>lucsuay, leblualy l</u>		
8:15 – 9:00 9:00 – 10:00	Registration Keynote: Robert	
	Armstrong, Director, MIT Energy Initiative	
10:00 – 11:15	The Energy Frontier: How to Invest in Future Resources?	
11:30 – 12:30	Entrepreneurship in Oil & Gas	
12:45 – 2:00	Lunch & Open Mic: President Trump's Energy Policy	
2:15 – 3:30	Changing Supply & Demand in the Energy Sector	
3:45 – 4:45	Energy Companies of the Future: Oil, Gas & More	
5:00 - 6:30	UT Energy Tours	
<i>5:30</i> – <i>7:30</i>	TEMC Panel:	

Midstream 20/20

Wednesday, February 8

8:15 – 9:00	Registration
9:00 – 10:00	Keynote: Peter Muhoro, Pedernales Electric Co-op
10:00 – 11:15	Integrating Renewables into the Grid
11:30 – 12:30	Evolving ISO Market Design: TX, CA, NY & Mexico
12:30 – 1:00	Lunch
1:00 – 2:15	Smart Building Technologies
2:15 – 3:15	The Changing Consumer-Utility Relationship
3:30 – 4:30	Grid of the Future: Centralized or Distributed?
4:45 – 5:45	Energy Security & Resilience
6:00 – 7:30	Reception & Award Ceremony for Poster Competition

<u>Thursday – Friday,</u> February 9 – 10: TJOGEL

Thursday

	Thursday
8:15 – 9:00	Cybersecurity Ethics
	for the Oil and Gas
	Industry
9:00 - 10:00	What to Expect on
	Energy and Environ-
	mental Policy over the
	Next Four Years
10:00 – 11:00	Every Clause Matters
11:00 – 12:00	What's Old is New
	Again
12:00 – 1:00	Deep in the Heart of
	Texas
1:00 - 2:00	Liquidated Damages in
	Oil & Gas Producing
	States
2:00 - 3:00	Lessons from the
	Downturn
3:00 - 4:00	Civility is Not a Sign
	of Weakness
<i>4:00 – 5:00</i>	Allocation Wells —
	Three Perspectives
	Friday
9:00 - 10:00	Perseverance: The
	Role of the General
	Counsel in a Distressed
	Company
10:00 – 11:00	When the Top May Not
	Be the Best
11:00 – 12:00	Texas Legislative
	Update
12:00 – 1:00	When Does a Gas
	Dedication Create a
	Real Property interest?
1:00 - 2:00	Ethics of Hourly
	Billing

Friday, February 10: KBH Symposium

7:30 – 8:30	Continental Breakfast
8:30 - 9:30 9:30 - 10:00	There is a New Team in Washington: What Does the 115th Congress and the Trump Administration Have Planned for Energy? Break
10:00 – 11:45	Segment One: Thriving in the New Commodity Price Dynamic
11:45 – 1:00	Lunch Keynote: Jack N. Gerard
1:00 - 2:30	Segment Two: Looking into the Crystal Ball: What Impact Will Geopolitical and Technology Developments have on the Oil and Gas Industry?
2:30	Wrap up

SATURDAY – SUNDAY, FEBRUARY 11 – 12, 2017

2017 CEC ANNUAL WORKSHOP ON ELECTROCHEMISTRY

WELCH HALL – ROOM 1.308

http://cec.cm.utexas. edu/electrochemistryworkshop-2017

Wednesday, February 8

8:15 – 9:00	REGISTRATION	2:15 – 3:15	THE CHANGING CONSUMER-UTILITY
9:00 - 10:00	KEYNOTE THE ELECTRIC COOPERATIVE MODEL: THE		RELATIONSHIP
	PEC STORY AND THE FUTURE OF THE UTILITY INDUSTRY!		Paula Gold-Williams, President & CEO, CPS Energy
	Peter Muhoro, <i>Director of Energy Research and</i> Strategies, Pedernales Electric Co-op		James Faulk, Director, KPMG Strategy
10:00 – 11:15	INTEGRATING RENEWABLES INTO THE GRID		Debbie Kimberly, Vice President, Customer Energy Solutions, Austin Energy
	Dan Smith, VP, Electric Service Delivery, Austin Energy Patrick Chapman, Senior Director, Development,		Dana Harmon, Executive Director, Texas Energy Poverty Research Institute
	SunPower Paul Wattles, Senior Analyst, ERCOT		Roger Duncan, Research Fellow, UT Austin Energy Institute (Moderator)
	Bill Muston, <i>Manager of R&D, Oncor</i> Lenae Shirley, <i>Senior Director, Technology Innovation and</i>	3:15 - 3:30	BREAK
11:15 – 11:30	Market Adoption, Environmental Defense Fund (Moderator)	3:30 - 4:30	GRID OF THE FUTURE: CENTRALIZED OR DISTRIBUTED?
11:30 – 12:30	EVOLVING ISO MARKET DESIGN: TX, CA, NY & MEXICO		Jeffrey Sabins, Senior Development Manager, RES America
	Cheryl Mele, Sr. VP & Chief Operating Officer, ERCOT Dede Hapner, Vice President, FERC & ISO Relations,		Erich Schneider, Associate Professor, UT Austin Department of Mechanical Engineering
	Pacific Gas & Electric Jose Maria Lujambio, CCN Law		Colin Meehan, <i>Director of Regulatory and Public</i> Affairs, First Solar
	Laura Manz, Director, Navigant Consulting		Dan Seif, Managing Director, Grid Economics, LLC
	Ross Baldick, <i>Professor, UT Austin Department of Electrical & Computer Engineering (Moderator)</i>		Fred Beach, Assistant Director, UT Austin Energy
12:30 - 1:00	LUNCH		Institute (Moderator)
1:00 - 2:15	SMART BUILDING TECHNOLOGIES	4:30 - 4:45	BREAK
	Pliny Fisk, Co-Director, Center for Maximum Potential Building Systems	4:45 – 5:45	ENERGY SECURITY & RESILIENCE Jimmy Glotfelty, Executive Vice President, Clean Line
	Michael Sciortino, Sales Executive, View Dynamic Glass		Energy Partners
	Gavin Dillingham, <i>Program Director, Clean Energy Policy,</i> Houston Advanced Research Center (HARC)		Lt Gen Ken Eickmann, <i>USAF (Ret)</i>
	Doug Lewin, VP, Regulatory Affairs and Market Development, CLEAResult		Michael Goin, <i>IT Manager, Austin Energy</i> Robert Hebner, <i>Director, UT Austin Center for</i>
	Scott Hinson, Director of Engineering, Pecan Street Inc.		Electromechanics (Moderator)
	Michael Garrison, <i>Professor, UT Austin School of Architecture (Moderator)</i>	6:00 – 7:30	RECEPTION AND AWARD CEREMONY

14 CONFERENCE SCHEDULE

Electricity

Student Research Poster Competition

The University of Texas at Austin is one of the leading universities for energy research, but beyond that it is the center for interdisciplinary research, something that is necessary to gain an accurate perspective on energy issues and which is emphasized throughout Energy Week

Research into the development of novel energy and resource-related technologies and the affiliated policies is a vital part of addressing the key energy-related challenges facing humanity in the 21st century. To promote the development of energy research in the academic community, UT Energy Week allows for full-time undergraduate and graduate students to participate in an interdisciplinary research poster competition.

The competition is organized into four categories:

- Energy Economics, Law, Communication, and Policy
- Environmental and Sustainability
- Renewable Energy and Energy Storage
- Fossil Fuels and By-Products

A panel of judges from academia and industry will score research posters submitted by the students selected to present at the research competition.

Wednesday, February 8

Prizes will be awarded to the two highest scoring posters from each competition category and there will be one overall crowd favorite and one overall best undergraduate poster:

First place \$1,000
Second place \$500
Crowd Favorite \$250
Best undergraduate \$250

Prizes will be announced at the Awards Reception to be held in the Alumni Center following the Energy Week sessions on Wednesday, February 8, 2017.

Energy Economics, Law, Communication, & Policy Category judges:

James Faulk, KPMG

Benjamin D. Leibowicz, UT Mechanical Engineering

Dan Bradley, Navigant

Student Title

Juan Andrade Electric Transmission Infrastructure Expansion Considering

Property Value Impact on Routing

Oscar Galvis Development of a world model to assess sustainability of

current population growth trends

Mohammad Majidi A generalized decomposition framework for transmission

expansion planning

Moshen Babazadeh Fluid injection and earthquake size in faulted reservoirs

Abigail D Ondeck The Economic Impact and feasibility of centralized energy

storage and integrated distributed photovoltaics with a

combined heat and power system

Environmental & Sustainability

Category judges:

David Sullivan, UT Center for Energy and Environmental Resources Cameron Freberg, Austin Energy

Addison Stark, ARPA-E Fellow, U.S. Department of Energy

Student

Rakesh Ranjan Time-resolved investigation of flashback in hydrogen-powered

gas turbine combustor

Melissa Donahue Dividing Wall Columns: Reduced Energy Distillation

Christina Rodriguez Simple, asymmetric aluminum alkoxide initiator for controlled

polymerization of epoxides

Matt Beaudry Field Measurement of Aerosol in Amine-Based CO2 Capture

Dongyu Wang High particulate matter formation from alkanes and alkenes

Melissa Meyerson Selective Lithium Electrodeposition on Impurity Veins in 99.9%

Metallic Lithium: A potential cause of dendrites

Renewable Energy & Energy Storage

Category judges:

Anderson Hungria, Voltabox Bert Haskell, Pecan Street Inc.

Gyeong S. Hwang, UT Chemical Engineering

Title Student

Drew Heilman Full Cell Design for Next-Generation Lithium Ion Battery Anodes

Caleb Alexander Synergism and Implications of Using Carbon Supports with

Perovskites for the Oxygen Evolution and Reduction Reaction

High-Resolution Optical Study of Sodium Electrodeposition Rodrigo Rodriguez

Sam Johnson An Evolution of Energy Storage Options for Nuclear Power

Flexible CuInSe2 nanocrystal solar cells on paper Vikas Reddy Voggu

Emily Adkins Pore Formation in Silicon Nanwires with a Silicon Oxide Shell

Revealed by In Situ TEM Battery Studies

Karl Kreder Vanadium-substituted LiCoPO4 Core with a Monolithic LiFePO4

shell for High-voltage Lithium-ion Batteries

Fossil Fuels & Byproducts

Category judges:

Chastity Aiken, Institute for Geophysics

Masa Prodanovic, UT Petroleum & Geosystems Engineering Patricia Bielenberg, ExxonMobil Research & Engineering Company Quoc Nguyen, UT Petroleum & Geosystems Engineering

Student Title

Neogene Current-Modified Submarine Fans and Associated **Enrique Arce**

Bed Forms in Mexican Deep-water Areas

Robin Singh Nanoparticle-Stabilized Foams for Enhanced Oil Recovery

Mehmet Erincik A new method of reducing residual oil saturation with polymer

floodina

Deepen Gala Modeling the use of non-aqueous fracturing fluids in

unconventional reservoirs

Autonomous Laboratory-Scale Drilling Rig Development Melissa Lee

for Society of Petroleum Engineer's 2017 DrillboticsTM

Competition

Pinaki Ghosh Wettability change of a carbonate rock from mixed-wet towards

water wet using cationic-nonionic surfactants

Mahmood Shakiba Detection and Characterization of Subsurface CO2 Leakage

Using Pressure Pulse Test

Hu Xiaodong A Numerical Analysis of bottomhole velocity and pressure

distributions of hydrothermal jet

Xiaojiang Li A Unified Model for Predicting Flowing Temperature and

Pressure in CO2 Injection for EOR, Sequestration and

Fracturing Operations

Calvin Tsay Flowsheet Simulation and optimization with detailed spiral-

wound multistream heat exchanger models: theory and

application to the PRICO liquefaction Process

Co2 seguestration in new albany shale: An analytical method to Zhiming Chen

estimate CO2 storage capacity in depleted shales

Eshan Moaseri Nanotechnology in Sub-Surface Exploration: Developing a new

technique to image oil reservoirs via advanced functional iron

oxide nanoparticles

Thursday – Friday, February 9 – 10

TJOGEL Symposium

THURSDAY

8:15 – 9 CYBERSECURITY ETHICS FOR THE OIL AND GAS INDUSTRY

Will Daugherty, BakerHostetler

9 – 10 WHAT TO EXPECT ON ENERGY AND ENVIRONMENTAL POLICY OVER THE NEXT FOUR YEARS

Mike Nasi, Jackson Walker

10 – 11 EVERY CLAUSE MATTERS: A LITIGATOR'S PERSPECTIVE ON O&G CONTRACTS

Andrew Zeve, Bracewell

11 – 12 WHAT'S OLD IS NEW AGAIN – THE 2016 DEBUT OF THE 2015 AAPL MODEL FORM JOA

Richard Hemingway, Thompson & Knight

12 – 1 DEEP IN THE HEART OF TEXAS: HOW COMPLEX OIL AND GAS CASES HAVE BEEN HANDLED IN THE SOUTHERN DISTRICT OF TEXAS

The Honorable David Jones, *Chief Judge of the U.S. Bankruptcy Court for the Southern District of Texas*

John Higgins, Porter Hedges

Kelli Norfleet, Haynes and Boone

1 – 2 LIQUIDATED DAMAGES IN OIL & GAS PRODUCING STATES

Kevin Jacobs, *Baker Botts*Cynthia Castillo, *Baker Botts*

2 – 3 LESSONS FROM THE DOWNTURN: OIL AND GAS DEBT AND EQUITY FINANCE

Michael Niebruegge, Willkie Farr & Gallagher Michael Piazza, Willkie Farr & Gallagher Ryan Cicero, Willkie Farr & Gallagher

20 CONFERENCE SCHEDULE

3 – 4 CIVILITY IS NOT A SIGN OF WEAKNESS

The Honorable Royal Furgeson, *United States*District Judge for the Northern District of Texas;

Founding Dean of the UNT Dallas College of Law

4 – 5 ALLOCATION WELLS – THREE PERSPECTIVES

Dean John Beckworth, *The University of Texas School of Law*

Greg Mathews, *Chevron*John McFarland, *Graves Dougherty Hearon & Moody*Mark Havens, *General Land Office*

FRIDAY

9 – 10 PERSEVERANCE: THE ROLE OF THE GENERAL COUNSEL IN A DISTRESSED COMPANY

Candice Wells, LINN Energy

10 – 11 WHEN THE TOP MAY NOT BE THE BEST: THE EVOLVING LAW OF OIL AND GAS LEASE TERMINATION

Craig Stahl, *Andrews Kurth*Michelle Scheffler, *Andrews Kurth Kenyon*

11 – 12 TEXAS LEGISLATIVE UPDATE

Texas State Senator Kel Seliger

12 – 1 WHEN DOES A GAS DEDICATION CREATE A REAL PROPERTY INTEREST? A POST-SABINE ANALYSIS OF COVENANTS RUNNING WITH THE LAND

Jonathan Hyman, *Gray Reed* Philip Jordan, *Gray Reed*

1 – 2 ETHICS OF HOURLY BILLING

Susan Fortney, Texas A&M School of Law

Friday, February 10

THE 2ND ANNUAL KBH CENTER SYMPOSIUM: "THE FUTURE OF THE OIL AND GAS INDUSTRY"

The Symposium will be held at the Four Seasons Hotel in downtown Austin.

7:30 - 8:30**CONTINENTAL BREAKFAST**

THERE IS A NEW TEAM IN WASHINGTON: WHAT 8:30 - 9:30DOES THE 115TH CONGRESS AND THE TRUMP ADMINISTRATION HAVE PLANNED FOR ENERGY?

> Welcome and Overview: Dr. John Butler, Associate Director, KBH Center

Keynote speaker: Congressman Joe Barton Introduction by: Senator Kay Bailey Hutchison

Implications for Texas of the New Trump Administration's Energy Agenda: Barry T. Smitherman, Former Chairman of the Texas Railroad Commission

9:30 - 10:00BRFAK

10:00 - 11:45 SEGMENT ONE:

THRIVING IN THE NEW COMMODITY PRICE DYNAMIC

FEATURED SPEAKERS:

Mark Finley, General Manager, Global Energy Markets & US Economics, BP America Inc.

Scott D. Sheffield Chairman and CEO, Pioneer Natural Resources Company

David C. Baldwin Co-President, SCF Partners

Tom Petrie Chairman, Petrie Partners, LLC

Moderator: Dr. Sheridan Titman Walter W. McAllister Centennial Chair in Financial Services, McCombs School of Business, The University of Texas at Austin

KBH Symposium

11:45 - 1:00 LUNCH

Keynote speaker: Jack N. Gerard President and CEO, American Petroleum Institute

Introduction by Dan O. Dinges Chairman, President and Chief Executive Officer, Cabot Oil & Gas Corporation

1:00 - 2:30**SEGMENT TWO:**

LOOKING INTO THE CRYSTAL BALL: WHAT IMPACT WILL GEOPOLITICAL AND TECHNOLOGY DEVELOPMENTS HAVE ON THE OIL AND GAS INDUSTRY?

FEATURED SPEAKERS:

Lieutenant General (Retired) Sir Simon Mayall, KBE, CB Senior Advisor, Greenhill & Co. International LLP

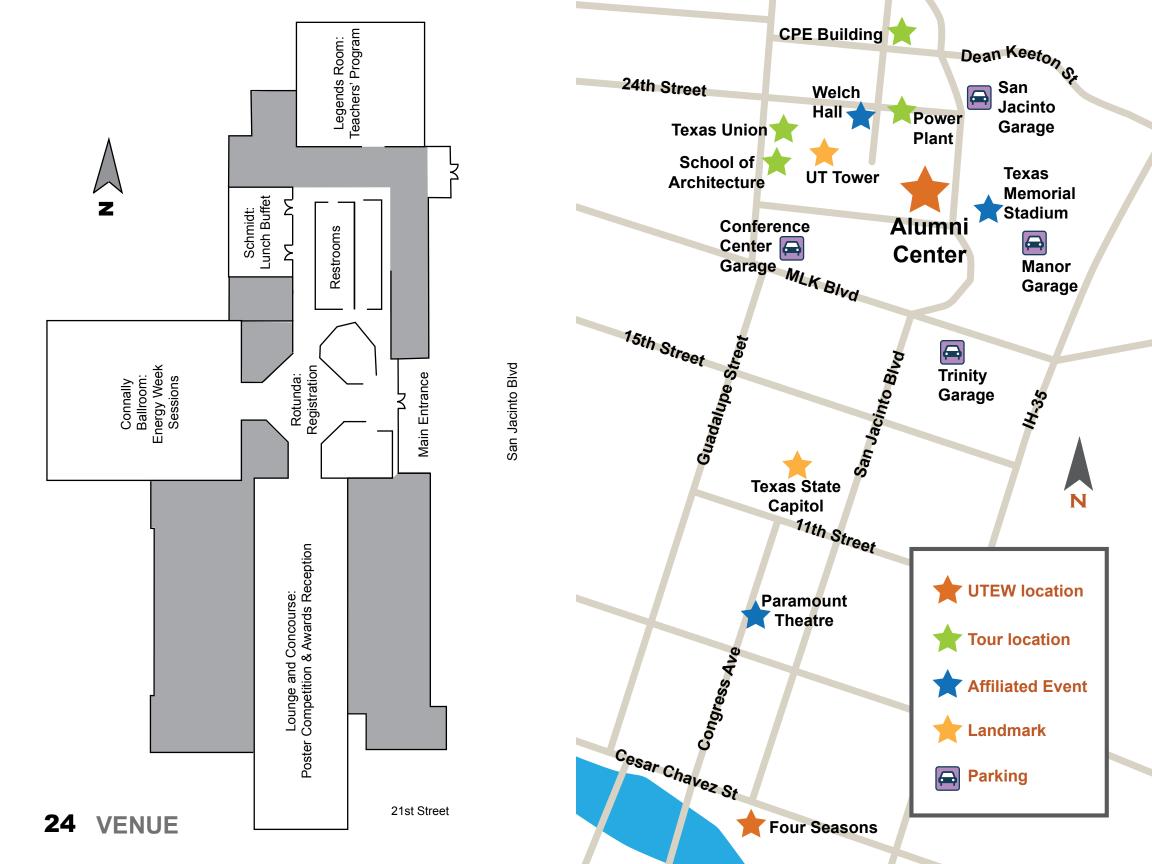
Gabriel Alonso CEO. EDP Renewables North America

Dr. Jon Olson Chair, Department of Petroleum and Geosystems Engineering, Cockrell School of Engineering, The University of Texas at Austin

Moderator: Marshall Adkins *Managing Director, Energy* Equity Research, Raymond James & Associates

2:30 WRAP UP

2017 CEC ANNUAL WORKSHOP ON **ELECTROCHEMISTRY** AT THE UNIVERSITY OF TEXAS AT AUSTIN **FEBRUARY 11 – 12, 2017 WELCH HALL – ROOM 1.308** http://cec.cm.utexas.edu/electrochemistry-workshop-2017





The University of Texas at Austin

WHAT STARTS HERE CHANGES THE WORLD



The University of Texas at Austin







