

Delta Section

NEWSLETTER



Volume 35 No. 7

MARCH 2019

REGISTER ONLINE:
<http://connect.spe.org/delta/home>

LOCATIONS:

North Shore: Chevron
100 Northpark Blvd
Covington, LA 70433

South Shore: Holiday Inn Superdome
330 Loyola Avenue
New Orleans, LA

Registration: **Northshore - \$15**
Southshore - \$25

Please remember: All attendants must be pre-registered to attend the North Shore Live Telecast or the Southshore Live Presentation.

For questions or comments, please contact:

Michael Waguespack
Michael.Waguespack@wsnelson.com
Programs Chairperson 2018-19

SPE/NOGS March General Meeting and Luncheon

Tuesday • March 12, 2019

11:00 am - 12:30 pm

Speaker Presentation will begin approximately 11:40 am
Holiday Inn Downtown Superdome • 330 Loyola Ave • New Orleans, LA

1 PDH will be provided

Energy Development on Outer Continental Shelf - Challenges and Opportunities

J. Keith Couvillion

North America Land Advisor
Chevron U.S.A. Inc.

Biography

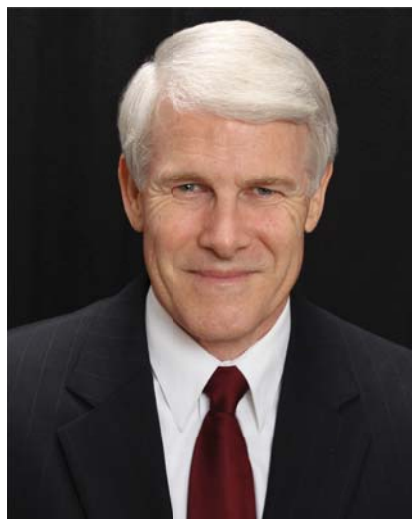
J. Keith Couvillion is currently Chevron's North America Exploration and Production Company's Land Advisor for onshore and offshore activities in the United States and Canada. Mr. Couvillion originally joined Texaco after graduating from college and has worked either onshore or offshore for over 39 years in many staff and management capacities supporting Texaco's, and now Chevron's, exploration and production operations onshore and offshore in North America.

Mr. Couvillion is active in many industry trade and professional associations supporting Outer Continental Shelf (OCS) activities. He is a past Chairman of both the OCS Advisory Board and American Petroleum Institute's Offshore Issues Subcommittee, and a former Vice-President of AAPL. Mr. Couvillion is a frequent presenter in industry and academic forums both domestically and internationally addressing various offshore issues. He also has published numerous articles on topics of interest to the offshore industry. Mr. Couvillion holds a Bachelors and Master's degree in Business from Lamar University.

Abstract

The purpose of this presentation will be to provide the audience with a general overview of the opportunities and challenges facing the oil and natural gas industry in exploring for and developing offshore resources on U. S. submerged lands. The current leasing program will be discussed along with the Department of Interior's evolving

policies regarding offshore energy development. The changing regulatory environment will also be discussed as will some of the challenges the offshore industry will face in the future.



Delta Section



2018-2019 SPE Delta Section OFFICERS and BOARD OF DIRECTORS

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	Tony Richards.....	Consultant
	Matt Wandstrat	LLOG Exploration

Contact us at the link below:

<https://connect.spe.org/delta/contactus>



Delta Section

Our Mission

To collect, disseminate, and exchange technical knowledge concerning the exploration, development and production of oil and gas resources and related technologies for the public benefit; and to provide opportunities for professionals to enhance their technical and professional competence.



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SPE-Delta Membership Report

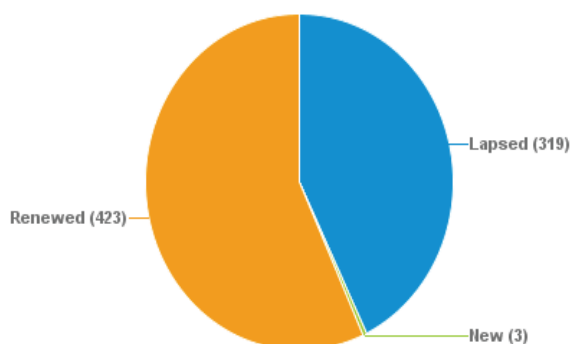
Submitted by Ryan Adams (Membership Chairperson)

As of February 2019

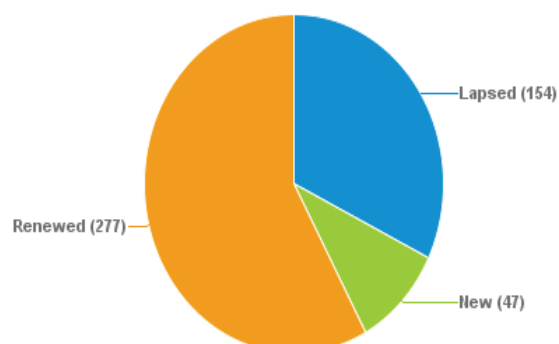


Total Full Members	745
New Members	3
Unpaid Members	319
Total Student Members	478

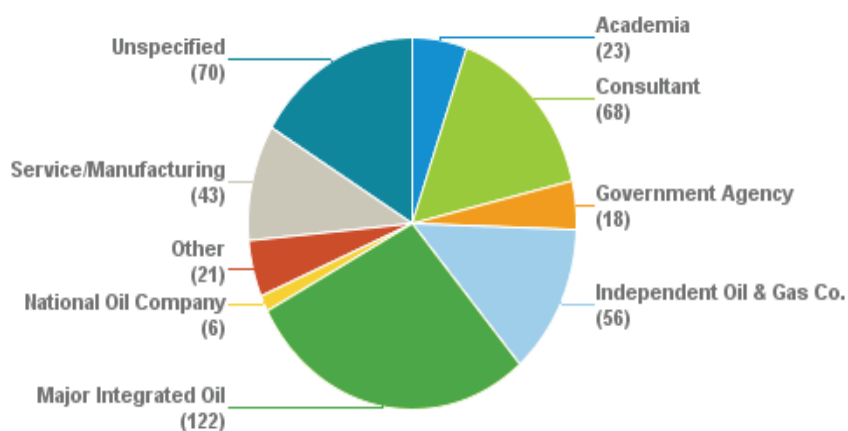
Professional Membership



Student Membership



Professionals by Company Category





FROM THE co-CHAIR ANGIE GOBERT

Happy February Delta Section!

2019 has gotten off to a quite a start! This has been the longest government shut down ever in the history of the United States. However, our industry has only been slightly affected, to our benefit. Exempt government personnel are still overseeing the oil and gas activities of the Gulf so that safety and environmental protection remains a priority. And, permits are still being reviewed and issued accordingly.

Hopefully by the time you are reading this article, the government will have reopened; and unfortunately our Who Dat Nation and beloved Saints are still very disappointed by the "No Call" and the resulting end of the NFC Championship game.

But, no matter what has occurred or may, SPE Delta Section is here for all of you and presents opportunities for growth, networking, service, and fun.

SPE Delta Section is continuing in our effort to provide you with opportunities to become involved, thereby facilitating the enhancement of your overall SPE member experience, the broadening of your networking opportunities, and expanding your technology base. Not only are these opportunities self-serving to our Society members individually and collectively, but they also extend to our community at large, increasing a positive and more balanced public awareness of the petroleum energy industry via our efforts to educate and support our community.

We are now more than half way into our 2018-2019 Session. We have accomplished much during that time. We have initiated providing professional licensed engineers with opportunities to meet their Continued Professional Development hours via attending our various program presentations and discussions held at our technical meetings. We have hosted presenters from Delta Section, professional engineers who have been engaged in the industry for decades that have shared some of their wealth of knowledge with us. And, our Young Professionals afforded us with an opportunity to enjoy a Pelican's game! We also continue making ourselves available supporting and

cooperating with various STEM related events. Please contact Jan Catalano and Michael Waguespack if interested in participating. Furthermore, we have begun advertising our upcoming Golf Tournament. It will be held April 5, 2019 at Carter Plantation. If you are interested in helping with this event, please contact Matt Wandstrat. Contact information for Jan, Michael and Matt can be found within the Section's newsletter Board listing.

While the government shutdown and the Who Dat nation disappointment are viewed as not so good news and nothing to celebrate, we do have good news that we can celebrate. We have increased our academic scholarship fund and that we have awarded additional deserving students, in the past, at Delta Section serves, who are pursuing careers in our Industry.

I am sure you all note that we are always looking to increase our membership and attendance at our meetings. You are free to invite a colleague to our next meeting, volunteer at social event so they can interact with others and realize first hand some of the benefits of being engaged in such a valuable professional society. Share with them information on their eligibility, some may not realize that SPE International welcomes all who are involved in the energy industry, not only Petroleum Engineers; make them aware of the many benefits of being an SPE member. Keep your eye out for the interesting topics and presenters we have on tap that are announced in our monthly newsletters and that are kept up to date on our website. If you need additional information regarding membership or the upcoming technical programs, please contact Ryan Adams our Membership chair or Michael Waguespack our Program Chair.

Best regards and Who Dat!

Angie D. Gobert

2018-2019 SPE Delta Section Co Chair

SPE Delta Section 2019 Calendar

February 2019

Sun	Mon	Tues	Wed	Thur	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

GNOSEF 2/28 - 3/1

Engineering Week at UNO

March 2019

Sun	Mon	Tues	Wed	Thur	Fri	Sat
31					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Bayou Regional Robotics - Ponchartrain Center

April 2019

Sun	Mon	Tues	Wed	Thur	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

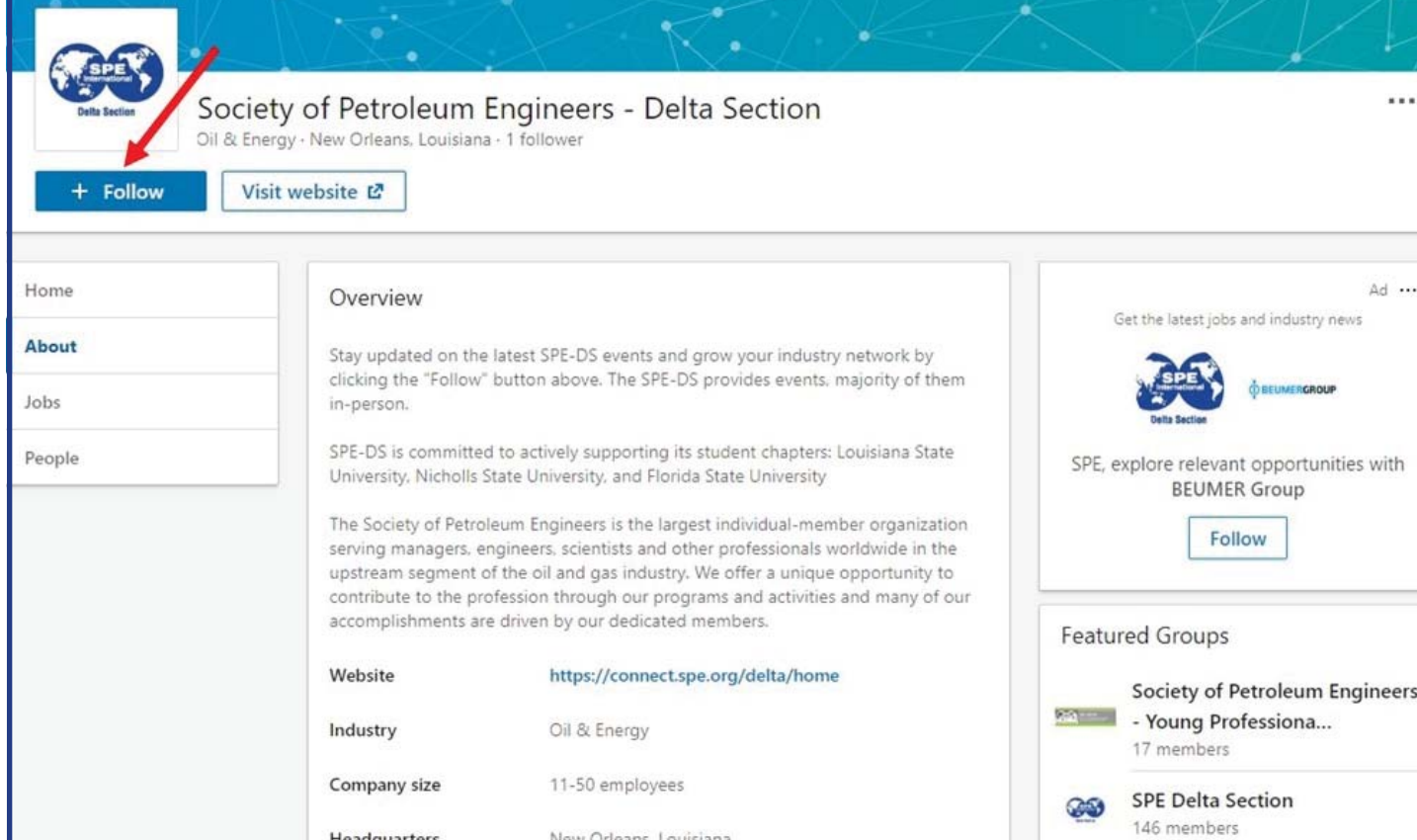
May 2019

Sun	Mon	Tues	Wed	Thur	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Editor's Notes...

Do you have something you want to drop in here? I like the idea of the editor doing a brief paragraph in each issue and since we have the room, why not, right? :)

Follow SPE – Delta Section on LinkedIn to stay up to date!



Society of Petroleum Engineers - Delta Section
Oil & Energy · New Orleans, Louisiana · 1 follower

[+ Follow](#) [Visit website](#)

Overview

Stay updated on the latest SPE-DS events and grow your industry network by clicking the "Follow" button above. The SPE-DS provides events, majority of them in-person.

SPE-DS is committed to actively supporting its student chapters: Louisiana State University, Nicholls State University, and Florida State University

The Society of Petroleum Engineers is the largest individual-member organization serving managers, engineers, scientists and other professionals worldwide in the upstream segment of the oil and gas industry. We offer a unique opportunity to contribute to the profession through our programs and activities and many of our accomplishments are driven by our dedicated members.

Website	https://connect.spe.org/delta/home
Industry	Oil & Energy
Company size	11-50 employees
Headquarters	New Orleans, Louisiana

Featured Groups

- Society of Petroleum Engineers - Young Professiona...**
17 members
- SPE Delta Section**
146 members

The 2019 SPE Delta Scholarship Program is now open!

SPE Delta is pleased to offer \$1,000 scholarships to high school seniors and an increase to \$1,400 for undergraduate students who are pursuing a degree in the oil and gas industry. The scholarship program is open to graduating high school seniors within the SPE Delta jurisdiction (see SPE Delta Section By Laws Article III under 'About Us') or undergraduate university students within the states of Louisiana, Mississippi, or Florida. Detailed applicant criteria and submission instructions are included in the application form.

For more information and to download an application, please visit our website:

<http://connect.spe.org/delta/scholarships/2019scholarships>

Application Due Date: Friday, March 15, 2019

If there are any questions, please feel free to contact the SPE Delta Scholarship Chair, Jaime Villatoro, at SPEDeltaScholarship@gmail.com.

SPE: ON THE HORIZON

MARCH

- Mar 12 SPE/NOGS March Joint Meeting & Luncheon • 11:00 am - 12:30 pm
 Speaker: Michael Celata • BOEM
 Northshore Live Telecast: Chevron Office • 100 Northpark Blvd • Covington
 Southshore Live Presentation: Holiday Inn Superdome • 330 Loyola Ave. • New Orleans, LA
- Mar 21-23 2019 Bayou Regional Robotics
 Pontchartrain C Center • Kenner, LA

APRIL

- Apr 5 SPE Annual Golf Tournament • Shotgun start at 8:00 a.m.
 Carter Plantation • Springfield, Louisiana
 For more info, see below and pages 8 and 9 of this issue.

DISTINGUISHED LECTURERS SCHEDULE

- Apr 15, 2019 SPE Delta Distinguished Lecturer Chris Hopper • 11:00 am
 "Resilient Projects are the Best Solution to an Uncertain World"
- Jun 10, 2019 SPE Delta Distinguished Lecturer Martin Rylance • 11:00 am
 "The 'Fracts' of Life (Common Failure Mechanisms Associated with Fracturing)"

SPE-DELTA 2019 GOLF TOURNAMENT

APRIL 5, 2019

The SPE Delta Section is pleased to announce that our annual golf tournament will be held on Friday, April 5, 2019 at 8 am at Carter Plantation located in Springfield, Louisiana.

The goal for the tournament this year is to raise \$50,000 and once again support Energy and Engineering Education at the local universities below. The remainder of the funds goes toward the SPE Delta Section application scholarship program which was fully funded last year.

Louisiana State University
 University of New Orleans
 Louisiana Tech University
 Florida State University / Florida A&M University

Nicholls State University
 University of Louisiana-Lafayette
 Mississippi State University

The tournament will be a single 18-hole round, four-person scramble format with a shotgun start at 8:00 am. Breakfast will be served before the round. Drink carts and tents will be used to supply beverages to the players throughout the round. Lunch will be served following the round.

There are three ways to help support the tournament this year:

1. Register to play in the tournament – [Team Registration](#)
2. Support via sponsorship – [Sponsorship Registration](#)
3. Do Both!

If you would like any additional information please contact one of the following committee members:

Jerry Simms
 Matt Wandstrat

985-801-4300
 985-801-4300

jerrys@llog.com
mattw@llog.com



2019 SPE DELTA SECTION Golf Tournament
"Come Support Energy and Engineering Education!"
Friday, April 5, 2019 - Carter Plantation
Shotgun Start at 8:00 AM
Format: 4-Person Scramble

\$175.00 Per Player Fee - Includes Cart & Green Fees,
Food & Drinks Before, After, and on Course, and 2 Mulligans

NOTE: NO RESERVATIONS WILL BE MADE UNTIL PAYMENT IN FULL IS RECEIVED
 SPACE LIMITED: ALL ENTRIES "FIRST-COME - FIRST-SERVED"
 SPE is a non-profit organization under Sec. 501(c)(6) of the Internal Revenue Code, Taxpayer ID #75-2001539

GOLF CART 1			GOLF CART 2		
CAPTAIN NAME			NAME		
COMPANY			COMPANY		
ADDRESS			ADDRESS		
CITY	ST	ZIP	CITY	ST	ZIP
PHONE	EMAIL		PHONE	EMAIL	
NAME			NAME		
COMPANY			COMPANY		
ADDRESS			ADDRESS		
CITY	ST	ZIP	CITY	ST	ZIP
PHONE	EMAIL		PHONE	EMAIL	
			TOTAL SUBMITTED:		\$700

Three Methods of Payment Are Available: Online (Credit Card or PayPal), Check, or Credit Card

*** Preferred method via this link:**

[SPE Team Registration](#)

CREDIT CARD INFORMATION NAME _____ TYPE OF CARD _____ CREDIT CARD NUMBER _____ EXPIRATION DATE _____ CCV CODE _____	MAIL or EMAIL REGISTRATION AND PAYMENT TO: mattw@llog.com or Matt Wandstrat LLOG Exploration 1001 Ochsner Blvd., Suite 100 Covington, LA 70433 Make Checks Payable to SPE Delta Section
SPONSOR INFORMATION: Gerard Simms LLOG Exploration 985-801-4300 jerrys@llog.com	REGISTRATION INFORMATION: Matt Wandstrat LLOG Exploration 985-801-4300 mattw@llog.com



2019 SPE Golf Tournament

Carter Plantation on Friday, April 5, 2019 at 8 am

Sponsorship Levels

Champions Sponsorship

\$2,500 - Top billing on sponsor board

Ace Sponsorship

\$1,500 - Billing on sponsor board

Eagle Sponsorship

\$1,000 - Billing on sponsor board

Birdie Sponsorship

\$500 - Billing on sponsor board

Par Sponsorship

\$250 - Billing on sponsor board

Revenue will support Energy and Engineering Education with donations to the following universities:



Three Methods of Payment Are Available: Online (Credit Card or PayPal), Check, or Credit Card

*** Preferred method via this link:**

[SPE Sponsorship Registration](#)

Name	_____	E Mail or Mail Sponsorship Flyer and Payment to: SPE Delta Section P.O Box 52737 New Orleans, LA 70152 Please Make All Checks Payable to: SPE DELTA SECTION
Company	_____	
Type of Card	_____	
Credit Card Number	_____	
Expiration Date	_____	
CCV Code	_____	
Sponsor Level	_____	

If you have any questions please contact:

Gerard Simms at (985) 801-4300 or
 Matt Wandstrat at (985) 801-4300 or

jerrys@llog.com
mattw@llog.com

SPE is a non-profit organization under Sec. 501(c)(6) of the Internal Revenue Code
 Taxpayer ID #75-2001539

CULTURE MATTERS - SIMPLE RULES IN A COMPLEX WORLD

By: Howard Duhon, P.E.

This article first appeared in the Oil and Gas Facilities Magazine, Dec 2016:

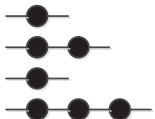
<https://www.spe.org/en/ogf/ogf-main-page/>

Menchen famously noted “for every difficult problem there is a simple solution that is wrong”. Logically speaking, that is undoubtedly true. But what that saying has always meant to me is that there are no simple solutions to hard problems, and that is incorrect. Indeed, it is possible to argue the opposite, that the most complex problems effectively have only simple solutions.

Complexity

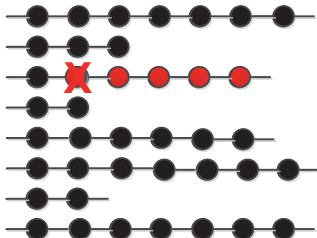
Complexity theory leads us to consider three types of problem:

1. Simple
2. Complicated
3. Complex



SIMPLE

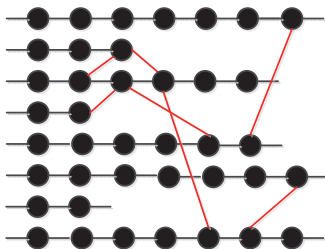
A simple system is one with few parts and little connectivity between parts.



COMPLICATED

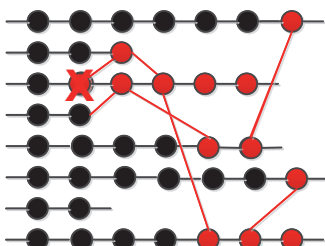
A complicated system has more parts and they are more connected. A complicated system may be difficult to accomplish, but at least the system can be decomposed neatly into sub-systems.

The failure of one part affects only that subsystem. Failures in one system don't cascade to cause other subsystems to fail.



COMPLEX (INTERCONNECTED)

Complex and chaotic systems are different in a very important way – significant connectivity between subsystems.



COMPLEX (CASCADING FAILURES)

Now when one part fails, the problem may cascade to cause failures in other subsystems. Behavior is non-linear and much less predictable, perhaps unpredictable.

Complexity and Rules

Our most meaningful problems are complex. Nonlinear interactions between components/actors in complex systems makes the system behavior unpredictable. For dynamic, unpredictable systems, Einstein's view is incorrect. Only simple solutions or simple rules have a chance in that environment. Gerg Gigerenzer¹ demonstrates the power of simple rules in *Simple Heuristics that make us Smart*. And Donald Sull and Kathleen Eisenhardt explore the idea in depth in *Simple Rules, How to Thrive in a Complex World*.

Simple Heuristics

Which city do you think is larger:

1. Houston or Calgary
2. Koforidua or Obuasi
3. Houston or Etayera

You may know for certain that Houston is larger than Calgary. That was an easy one. You probably know little or nothing about Koforidua or Obuasi and so have no idea which is larger. It is likely that you had no trouble guessing that Houston is larger than Etayera even though you probably never heard of Etayera. Indeed, I know that you've never heard of Etayera because it doesn't exist; I made it up. You chose Houston because you've heard of it and you naturally assume, in the absence of other information, that a city you've heard of will be larger than one you have not heard of.

Gigerenzer refers to this as the Recognition Heuristic. We can quickly judge which city is larger if we have heard of only one of them. Similarly, we may also assume that a particular water treating process is better than an alternative if we have heard of the one, but not the other.

My favorite simple heuristic from Gigerenzer's book is "Take the Best". According to this heuristic you can often make good choices by simply choosing the option that most effectively satisfies your number one objective (ignoring all other objectives). This heuristic works frequently because the number one objective is frequently much more important than every other objective. [Cautionary note – this is obviously not an appropriate strategy for many engineering problems where multiple important objectives exist along with multiple stakeholders with different priorities.]

Simple Rules as Strategy

Sull and Eisenhardt's book is aimed at developing effective business strategies in a complex economy. What's most interesting to me about their book is their characterization of decision rules. They identified six rule types.

Decision Rules:

1. Boundary Rules
2. Prioritizing Rules
3. Stopping Rules

Process Rules:

4. How-to Rules
5. Coordination Rules
6. Timing Rules

Boundary Rules

When time is short it will not be possible to evaluate many alternatives. Boundary rules narrow down the alternatives. Battlefield triage rules are an example. Until WWII, injured soldiers were treated on a first-come-first-served basis regardless of the extent of their injuries. Current practice is to apply very simple rules to make quick diagnoses to sort the injured into:

1. Minor injuries (these can be put on hold and treated later)
2. Seriously injured, but with a good chance of recovery if treated quickly (these are treated now)
3. Mortally wounded who will likely die even if treated (these are treated to minimize pain).

In an amazingly complex environment, simple boundary rules dramatically improved injury survival rates.

Prioritizing Rules

Prioritizing rules are useful when many alternatives survive the screening of the boundary rules, but resources are limited.

The San Diego Medical Center collects and tracks 19 parameters on heart attack patients. They have developed regression models that include all 19 parameters to determine which patients are high risk and which are low risk of another attack. But they don't use these complex models. They use a very simple model consisting of three yes or no questions. This simple model works better than the complex regressions.

This is a good example of use of Gigerenzer's 'Take the Best' heuristic; in this case the three best. Three simple parameters are overwhelmingly more important than the other 16.

Stopping Rules

I had an old car about 20 years ago that broke down on me regularly in the last two years I owned it. My repair bills in that period greatly exceeded the book value of the vehicle. This seems foolish, but there wasn't a single repair bill that exceeded the book value. Every individual repair decision made sense; together they didn't.

After trading in that car I pondered what I might do in the future to prevent recurrence. Several possibilities came to mind including:

- Trade cars in after 100,000 miles
- Never spend more than ½ the car's value on a repair

These and similar rules would be stopping rules (rules for when to stop owning the car).

How-To Rules

In the early days of radio announcing, Seymour Joly de Lotbiniere wrote some simple rules for providing commentary during a sporting event including:

1. Set the scene
2. Describe the action
3. Give the score regularly
4. Share 'homework' facts and figures
5. Assess the significance of key moments

Sportscasters still use these rules. How-to rules are simplified procedures.

Coordination Rules

Coordination rules guide the interactions between people who work in complex organizations.

A great example of an effective coordination rule was Wal-Mart's instruction to store managers in New Orleans after Hurricane Katrina. Most of their stores were damaged. They had no power. Transportation was impossible. The local communities needed much help. Wal-Mart's local store managers were given this simple instruction:

"Make the best decisions you can with the information available, and above all, do the right thing."

Armed with this simple rule Wal-Mart provided support rapidly while government agencies were stymied by red-tape.

Timing Rules

Timing rules include:

- Specifying actions required when a triggering event happens
- Specifying the speed or rate of accomplishing something
- Specify an action to be performed at a particular time

Timing rules are particularly valuable when used to force an action from a team that might otherwise continue overly-optimizing a 'good-enough' solution.

Why/When Simple Rules Work

Simple rules won't always work obviously. In trying to solve complex problems with simple solutions we are choosing efficiency over accuracy and completeness. In a fast-paced business environment that may be our only choice. We may not have time for exhaustive analysis. Simple rules are necessary for fast and efficient reaction to market changes. Your fast reaction may not be 'optimal', but a slow reaction certainly won't be optimal either. Simple rules give you a chance.

But it's not like any simple rule will work, to be effective. The rules must be:

- Few in number
- Not overly prescriptive
- Tailored to the environment (ideally applied to a single, well-defined oft-repeated scenario)

Applying Simple Rules to Create Strategy

1. Figure out what moves the needle
What are your goals? What are you trying to accomplish?
2. Choose a bottleneck
What specific thing is preventing success? What specific change would have the most impact?
3. Craft the rules
Consider each rule type above. Form a team to generate ideas. Try them in practice. Learn and improve.

Conclusion

In a dynamic, competitive, high interconnected (complex) world only simple rules have a chance of working. He/she who has the best simple rules will win.

References:

Donald Sull and Kathleen Eisenhardt, 2015, *Simple Rules, How to Thrive in a Complex World*, Houghton Mifflin Harcourt, New York, New York

Kathleen Eisenhardt, and Donald Sull, "Strategy as Simple Rules", Harvard Business Review, January 2001

Gerd Gigerenzer, Peter Todd, ABC Research Group, 1999, *Simple Heuristics that make us Smart*, Oxford Press



Delta Section

The National WWII Museum in New Orleans is a remarkable place. It contains snippets of oil's role in winning the war, but not much of that story.

Armies, navies, air forces consume vast quantities of resources. Oil - lots of it - was required to make the victory possible.

SPE Delta is launching a study to develop the story of fuel, oil in particular, in winning WWII.

We are looking for volunteers willing to dive-in and research this piece of history to tell the story of how much was needed, where it came from, how it was found, produced, refined,

conserved, transported, and fought over, how it affected military strategy and about the people who made it all happen.

We hope that eventually the story we develop will be presented in the National WWII Museum.

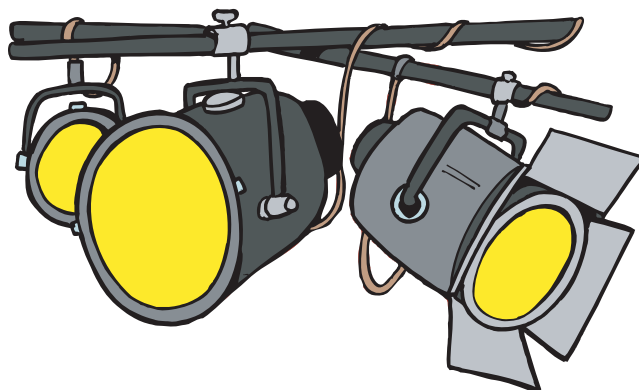
This is likely to be a multi-year effort. Our first goal will likely to be development of a short documentary video.

If you would like to be involved, please contact [Daniel Durey](mailto:daniel.durey@shell.com) at daniel.durey@shell.com





Delta Section



Spotlight on Young Professionals

Do you know a young professional who deserves to be put in the Spotlight? If so, suggest them (or yourself) to be featured in the “Spotlight on Young Professionals.” Help us identify worthy young professionals by submitting your story today for a chance to be featured in The Way Ahead™.

Learn more at <http://www.spe.org/members/yps.php>



Volunteering Looks Good on You.

Engage Support Contribute

Become a Mentor through SPE's eMentoring Program

eMentoring gives SPE members a way to contribute to the E&P industry by sharing industry insights and practical career advice with young professionals, or by helping university students with academic and career direction. Young professionals also have the unique opportunity to serve as mentors to students.

Join the program today by going to <http://www.spe.org/ementoring/>

Dues Waiver

SPE offers a dues waiver for renewing members who have lost their jobs due to the industry downturn and other circumstances. To qualify, submit a written request by either postal mail or email to service@spe.org.

Out of Work?

Check out the Members in Transition Toolkit at <http://www.spe.org/members/transition/>. Learn how to optimize your job search, develop your network, enhance your skills, and thrive in a downturn.