



SPE Alaska Section January 2009 Newsletter

January 2009

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SPE Alaska Chapter January Luncheon

Date: Thursday, January 22, 11:30 am

Speaker: Shawn Isakson – Production Engineer, BP

Topic: A technical overview of the OT-21 Replacement Project & General Project Management Principles

Place: BP Conference Rooms A & B

Please RSVP Robert Younger at younger2@bp.com by January 19.
Luncheon cost is \$20.

Abstract

In March 2006, an oil spill was discovered on the western side of Greater Prudhoe Bay (GPB). The spill was the result of a failure in a major crude oil transit pipeline with an ability to transport ~100 mbpd of crude from the GC2 Facility to the Trans Alaska Pipeline System. In August 2006, a small leak was discovered in a similar transit line on the eastern side of Greater Prudhoe Bay. This spill resulted in a decision for a full field shutdown of the Greater Prudhoe Bay field. Subsequent inspections resulted in a decision to replace the four major oil transit lines within the field. The lines collectively transport all sales quality crude oil from GPB's major facilities to the Trans-Alaska Pipeline System.

Shawn Isakson served as Project Lead for the OT-21 Project. His presentation will include: a brief overview of general project management process' used for large and small scale projects (a projects lifecycle); a high level upstream facility overview; and an overview of the OT-21 Project, including equipment installed, technical challenges in design, and technical issues in execution.

Shawn Isakson was born in California, and grew up in Montana and Oregon. After earning a BS in Engineering from the Montana Tech School of Mines, Shawn accepted a position with ExxonMobil in Houston working in the Upstream Development Company. He was a member on many West African project teams, and his work also took him to Singapore, Malaysia, Nigeria, Italy, and Washington DC. In addition to his roles on ExxonMobil's Major Projects, he spent additional time as a Drilling Engineer within the US Drilling Team.



In 2006, Shawn accepted a Project Lead position with BP assigned to Alaska's North Slope. After the August 2006 crude oil spill, Shawn transitioned to Anchorage as a Project lead for the Resumption Team that executed several projects providing a temporary, alternative flow path, and restoring production within 3 months from a GPB major facility to the Trans-Alaska Pipeline System.

In November 2006, Shawn accepted the position of Project Lead for the OT-21 Pipeline Replacement within BP Alaska's newly created Pipeline Renewal Program (PRP) to work toward a permanent replacement to the failed pipeline which caused the March 2006 Prudhoe Bay Oil Spill. The OT-21 Project lasted 16 months, and was successfully started up 10 days ahead of schedule on March 21, 2008.

In August 2008, Shawn became a Production Engineer for BP within the Greater Prudhoe Bay Gravity Drainage Team to gain a wider view of the E&P industry.

Congratulations
Randy and thanks
for your
contributions to
SPE!

Dr. Randahl Roadifer AK SPE 2009 Engineer of the Year



This years Alaska SPE Engineer of the Year is Dr. Randahl Roadifer. Randy is a senior reservoir engineer, working for ConocoPhillips in Anchorage. Major projects include development plans for the Fiord-Nechelik and Fiord-Kuparuk fields, RE lead over the Fiord-West development, development and implementation of an integrated reservoir-facility optimization model for Alpine, and provides RE support for teams evaluating international coal bed methane resources. He has a PhD in Petroleum Engineering and is a member of the UAF petroleum engineering advisory board. Randy is active in SPE, has

held a variety of leadership positions, been recognized as an outstanding Technical Editor, published over 10 SPE papers and participated in the Distinguished Lecturer program on Coalbed Methane.

Thanks to everyone for taking time to nominate a colleague, to the nominees for completing the evaluation forms and the review committee for taking time over the holidays to review the forms. We had an outstanding set of nominees and it's great to see such a high level of technical expertise in Alaska!

Good Luck Chris!
We'll miss you.

Bon Voyage Chris!



Chris Jenkins, AK SPE Director and 2007-2008 Chair of the Alaska SPE Section is off to Saudi Arabia for new adventures with his family and work with Saudi Aramco. Chris accomplished a great deal in his time with AK SPE. During his tenure, the Section received the 2008 President's Award for Section Excellence. He was awarded the 2008 Regional Young Professional award. He actively mentored and recruited young professional to become involved in leadership positions in SPE. We will miss Chris and his energetic, positive attitude.

SPE President Dr. William Cobb presents the 2007-08 SPE President's Award for Section Excellence award to the 2007-2008 Alaska Section Chair, Christopher Jenkins, during the President's Luncheon of the SPE Annual Technical Conference and Exhibition (ACTE) in the Colorado Convention Center (CCC), Denver, Colorado.

SPE Western Regional Meeting

The Golden Gate section will host the 2009 SPE Western Regional Meeting at the Double Tree Hotel in San Jose, California on March 24-26, 2009.

This conference offers a full set of topics on interdisciplinary work under the theme "New Solutions for Maximizing Recovery and Value" and provides a platform to discuss solutions to the challenges faced by the diverse set of operators in the Western North America Region. These challenges and solutions are also widely applicable to operations in other parts of the world. The comprehensive technical and continuing education programs will include a collection of technical, poster, and panel sessions; short courses; field trips; an exhibition; and rewarding student activities. For more information go to www.spe.org/events/wrm.

Great Job, UAF
PETE Seniors!
We're proud of
you.

UAF PETE Seniors Rock

2nd and 3rd Place Winners In Education Week Competition at Petroleum Technology Conference in Kuala Lumpur, Malaysia.

Two UAF petroleum engineering seniors, Kasper Kowalewski (President of UAF SPE student chapter) and Trudi Hallett's teams were second and third place winners at the recently held education week competition in conjunction with the International Petroleum Technology Conference in KL, Malaysia. Kasper's team worked on a group project that dealt with unconventional resources while Trudi's team worked on remote area oil & gas development. The teams furiously worked for almost a week and on the last day presented their project results which were judged by oil & gas industry professionals.

Four top seniors from the UAF PETE program (Maria Medvedeva, Trudi Hallett, Kasper Kowalewski, and Kasey Shupp) were nominated out of which Maria (Vice President of UAF SPE student chapter), Trudi and Kasper were selected by IPTC education week committee to travel to Kuala Lumpur, Malaysia on an all expenses paid trip to participate in the education week in December. Altogether 249 student nominations were received from 73 institutions in 32 countries, out of which 100 of top students from 54 institutions, 29 countries participated.



PETE Senior Kowalewski's (back, center) team receiving the 2nd place award



PETE Senior Trudi Hallett's (4th from left) team receiving the 3rd place award.

Looking for Presenters at UAF

The UAF SPE student chapter advisor is looking for folks to give presentations on the following Friday afternoons:

- **March 6, 26**
- **April 10**
- **May 1**
-

Typically the presentation is very informal, both students and faculty attend as well as students and faculty outside the Petroleum Engineering department depending on the presentation subject. The presentation typically takes place on Friday afternoon, around 3:30 pm. It could easily be a day trip, up and back. Someone from the SPE chapter can pick you up at the airport - although you could rent a car and drive yourself around, however parking at the university is less than available. To present all you need is your supervisor approval to go and agreement as to who is going to pay for the trip expenses.

Please contact Chris Stone at 564-5518 or stonc1@bp.com if you are interested or if you know of someone who is.

Note: On February 6, Joe Andres, BP, will present a talk to the UAF Student Chapter on "Well Integrity Operations".

Share your
knowledge and
projects with
UAF Student
Chapter

Call Chris Stone,
564-5518
stonc1@bp.com

Not a member?
Join online
www.spe.org
/spe-
app/spe
/membership
/joinspe/inde
x.htm

The brightest minds
of the E&P industry
are members of SPE.
Join the diverse,
worldwide community
and be part of the
industry's bright
future.

Would you like to
serve in SPE?
Please volunteer!

Contact:

Tim Crumrine
(907) 343-2184

2008 SPE ALASKA MEMBERSHIP DRIVE RESULTS



- YTD Full Membership: ▲ +10.1%
- Change Post Mar 2008: ▲ +7.1%
- YTD Student Membership: ▲ +52%
- YTD Transfer-In: + 36
- YTD Transfer-Out: -38

Winners:

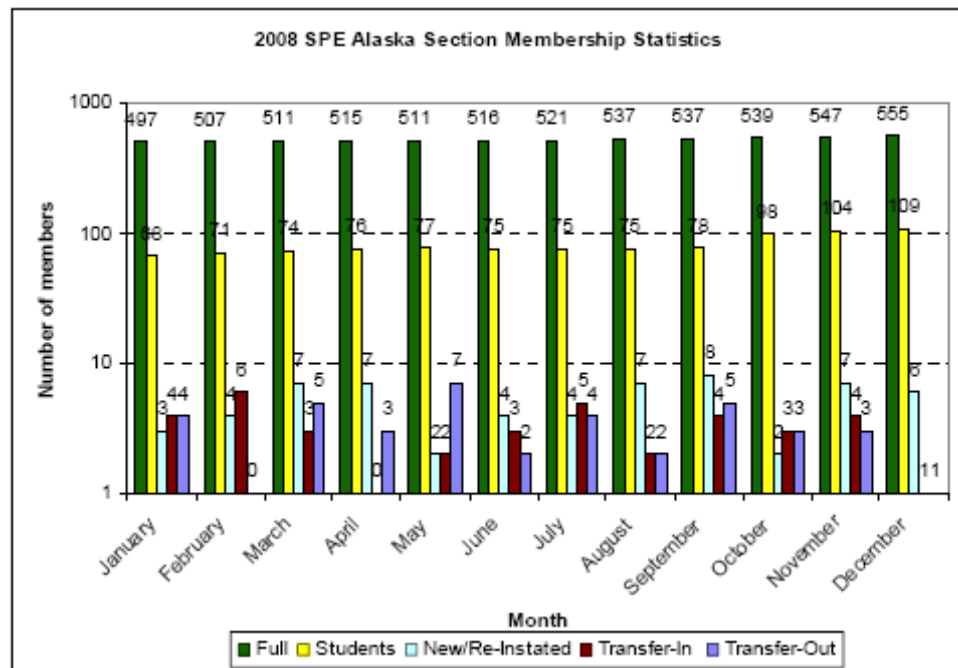
- 1st Prize: Jane Williamson
- 2nd Prize: Amanda Rebol
- 3rd Prize: Justin Nash

- Successful Membership Drive
- 48 New/ Re-Instated (Mar – Nov, 2008)
- 6 Newly Referred Members
- Issues: Many unawarded Credits
- ★ Start-up of 2008 membership drive



Alaska Section Membership Update

Category	Nov-2008	Dec-2008
Full Members	547	555
Students	104	109
New/ Re-Instated	7	6
Transfer In	4	1
Transfer-Out	3	1



New Members:

Name	Title	Company	Membership
Rebecca Bailey	Geologist	BP	November, 08
Gary R. Catron	Reservoir Engineer	Schlumberger DCS	November, 08
Michael Dammeyer	Petroleum Engineer	Marathon Oil Company	November, 08
Grant Encelewski	Operation Lead Tech	BP	November, 08
Terry D. Gross	Mechanical Integrity Engr.	BP	November, 08
Stephen C. Lauper		Schlumberger	November, 08
Natasha Sachivichik	Snr. Drilling Engineer	Fairweather Inc.	November, 08
John Norman	Commissioner	AOGCC	December, 08
Paul B. Schilling		Baker Hughes Inc.	December, 08
David Fair		BP	December, 08
Ryan Hill	Safety Researcher	NIOSH/CDC	December, 08
Ethan Mastny	Reservoir Engineer	BP	December, 08
John McMullen		BP	December, 08

Transfer-In:

Name	Title	Company	Transfer Origin
Gary Boubel	VP Alaska Projects	BP	Gulf Coast
Kris J. Fuhr	VP & PGM	Denali LLC	Gulf Coast
Edgar Rodriguez	District Manager	INTEQ	Gulf Coast
Dana Glessner	Petroleum Engineer	ConocoPhillips	San Joaquin
Kerry Freedman	Staff Engineer	ConocoPhillips	Gulf Coast Section

Transfer-Out:

Name	Title	Company	Transfer Destination
Dennis M. Donovan	Petroleum Engineer	Marathon Oil Co.	Big Horn
Scott Reynolds	Drilling Engineer	Talisman Energy	Gulf Coast Section
Pedro D. Rangel Escarra	CTD Project Manager	Schlumberger Well Services	Saudi Arabia
Chris Shafer	NA Optimization Services Manager	Baker	Transfer To: Gulf Coast

SPE Membership Requirement**Professional Member**

Employment in work related to the petroleum industry **AND** one of the following

A university degree equivalent to a 4-year Bachelors degree in engineering or basic or applied sciences

A 2-year science or engineering degree or a 4-year degree in a field other than science or engineering

6 years of active practice in support of petroleum engineering or in the application of science to the petroleum industry.

Student member

Must be enrolled in a course of study leading to an undergraduate or graduate degree in petroleum engineering or related field **AND**

Must be carrying at least 30% of a normal full-time academic load

Correction to November 2008 Newsletter

A couple of errors were made in the article "Tom Marshall – 50 Year Continuous Member" in the November 2008 Alaska Newsletter. The plan, proposed by Marshall, for State Selection of North Slope lands was approved by Governor Egan in 1964, not 1984. Also, the following statement "13 successive dry holes were subsequently drilled in these lands" is misleading. Actually, 11 of these wells were in the foothills area on BLM land, not on the land selected by the State. Two unsuccessful wells were drilled on the State's North Slope land prior to the drilling of the Prudhoe discovery well in 1967-68.



Society of Petroleum Engineers Alaska Section 2009 Scholarship Program

The Alaska Section of the Society of Petroleum Engineers is pleased to offer eight scholarships, ranging from \$1,500 to \$2,500 to students who meet the criteria established under the goals of the scholarship program.

Goals of the Scholarship Program:

The Alaska Section of the Society of Petroleum Engineers desires to support the citizens of Alaska and the goals of the SPE by offering \$1,500 to \$2,500 scholarships to Alaska high school graduates and qualified college students who are studying Petroleum Engineering or fields related to the petroleum industry. The goals of the scholarship program are:

1. Support Alaska high school graduates
2. Promote the study of Petroleum Engineering
3. Support the University of Alaska and its Petroleum Engineering program
4. Promote the study of other engineering and earth sciences leading towards employment in the petroleum industry
5. Support dependents of SPE members

For additional information and application forms see the SPE - Alaska Section website, alaska.spe.org

Applications must be postmarked on or before March 2, 2009.

(Applications postmarked March 3, 2009, or later will NOT be accepted.)

Scholarship Opportunities:

Applicants should submit one application that will be considered for all scholarships.

High School Graduate Scholarships

Graduating Alaska High School Seniors who will be entering college during the Fall 2009 semester and pursuing a degree in an engineering or earth science field that could lead towards employment in the petroleum industry (including petroleum, chemical, mechanical, environmental and civil engineering) are eligible for the scholarships described below:

Scholarships Available for Graduating High School Students			
Award Quantity	Award Duration	Moentary Value	Requirements
One	1-year	\$1,500	Student must be entering UAF/UAA.
One	1-year	\$1,500	Student must be the dependent of an Alaska Section SPE member.
Two	1-year	\$1,500	Student must be entering any accredited US college or university.
One	4-year	\$2500/year	Student must be studying Petroleum Engineering.

College Student Scholarships

Three scholarships are available to continuing college students pursuing degrees as described below:

Scholarships Available for College Students			
Award Quantity	Award Duration	Moentary Value	Requirements
One	1-year	\$1,500	Student must be pursuing an undergraduate degree in Petroleum Engineering at UAF/UAA.
One	1-year	\$1,500	Student must be pursuing an undergraduate degree in Engineering (any discipline) at UAF/UAA with intent to work in the petroleum industry.
One	1-year	\$1,500	Student must be pursuing an undergraduate degree in Engineering (any discipline) at an accredited college or university in the United States and meet any one of the following critieria: 1) graduated from a high school in Alaska, 2) currently attending college in Alaska, or 3) be a dependent of an SPE-Alaska Section member.



Alaska Petroleum Section

Society of Petroleum Engineers would like to thank our

BBQ Scholarship Fundraiser Sponsors

for making 2008 our most successful scholarship fundraiser ever!
(Net Proceeds in Excess of \$24,000!)

PLATINUM LEVEL (\$2000)



SILVER (\$500)

- CH2MHill
- Dowland-Bach
- Doyon Drilling
- Expro
- FMC
- Marathon Oil Co.
- Nalco Energy Services
- OilTracers LLC
- Petroleum Reservoir Data
- Tuboscope
- Weatherford

GOLD LEVEL (\$1000)



BRONZE (\$250)

- Arctic Lift Systems
- Champion Technologies
- Fairweather
- Halliburton
- Little Red Services
- Prudhoe Bay Hotel
- Schlumberger
- Udelhoven Oilfield System Services

ADDITIONAL SPONSORS

- Airport Equipment Rentals
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- Alaska Tent & Tarp
- Alyeska Pipeline Service Co.
- Anchorage Hilton Hotel

- Anchorage Marriott Downtown
- Army/Navy Alaska
- Bear's Tooth Theater Pub & Grill
- Cameron
- ERA Aviation

- Great Harvest Bread Co.
- Mahay's Riverboat Service
- Marketing Solutions
- Mapmakers Alaska
- Northern Commercial Machinery

- Phillips Cruises & Tours
- Sheraton Anchorage Hotel
- Snow City Cafe
- Title Wave Book Store
- TIW Corporation Alaska

As the principle fundraiser for the SPE Alaska Section scholarship fund, the proceeds from this event are awarded to Alaska high school graduates pursuing a wide range of engineering degrees and to undergraduate college students seeking engineering degrees at Alaska universities. Over the past 7 years SPE has awarded \$160,500 in scholarships to 127 students.

University of Alaska Fairbanks

Department of Petroleum Engineering

Spring 2009 Courses in Anchorage

PETE 662: **Enhanced Oil Recovery (3 CREDITS)**

Instructor: **Dr. Samson Ning, Adjunct Associate Professor**

Meeting time and location: **5:30 – 8:30 pm, BP Bldg Room TBD**

First day of class: **Wednesday, January 28, 2009**

For information and course content please contact:

Contact:

Dr. Samson Ning Samson.Ning@bp.com

Tuition and fees: \$936 (AK resident rate)

PETE 205: **Fundamentals of Drilling (1 CREDIT)**

Meeting time and location: **Monday 6:00 – 7:00 pm, ConocoPhillips Bldg Room TBD**

PETE 206: **Introduction to Production (1 CREDIT)**

Meeting time and location: **Monday 7:15 – 8:15 pm, ConocoPhillips Bldg Room TBD**

Instructor: **Mr. John Peirce**

First day of class: **Monday, January 26, 2009**

For information and course content please contact:

Contact:

Mr. John Peirce John.W.Peirce@conocophillips.com

Tuition and fees: \$142 per credit (AK resident rate)

PLEASE NOTE:

- **Courses** will be offered subject to sufficient enrollment (minimum 5 students in each course).
- **Registration** will be on the first day of class.

For registration or additional information, please contact ASAP:

Ms. Melody Hughes, fnmph@uaf.edu, or 907.474.7734 OR

Dr. Abhijit Dandekar, ffayd@uaf.edu, 907.474.7748

University of Alaska Fairbanks

America's Arctic University

Introducing a new tool for your SPE section

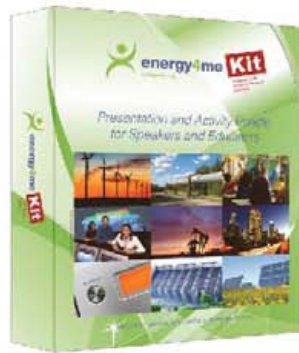


Classroom
presentations
as easy as
1-2-3

Energize a classroom with ready-to-go presentations and activities

SPE's Energy4me program is pleased to provide each SPE section an Energy4me Kit to use in your educational outreach program. The Energy4me Kit, which replaces the Magic Suitcase, offers the tools you need for fun, exciting presentations to primary, intermediate and secondary classrooms!

Getting started is easy!



- 1 Find a classroom speaking opportunity
 - Talk with your child's teacher about giving a presentation
 - Contact a local school or administrative district to offer yourself as a speaker.

- 2 Use the materials in the Energy4me Kit and on www.energy4me.org/speaker to prepare your presentation.

- 3 Contact EnergyEd@energy4me.org with the school name, address and contact person. SPE will donate a copy of the *Oil and Natural Gas* educational book to the school when a presentation is given. (One book per school, please).

Kit Contents

- Speakers Guide
- Oil Well Poster
- Experiment folder
- Fact or Fiction Quiz Card Deck
- Energy4me Presentation/Materials CD
- Energy Sources of the World Booklet
- Petroleum Engineering Career Brochure
- Smart Energy Choice Bookmarks

Additional Energy4me Kits are available for purchase at www.energy4me.org. (30 USD for SPE members, 35 USD for nonmembers)

We welcome your feedback on the Energy4me Kit, and your energy education ideas to share with other SPE sections. Email EnergyEd@energy4me.org.

www.energy4me.org

Energy4me
Society of Petroleum Engineers
222 Palisades Creek Drive
Richardson, Texas 75080-2040 U.S.A.
Tel: +1.972.952.9304 • www.energy4me.org • EnergyEd@Energy4me.org



essential energy education

Energy4me is SPE's energy education program that helps students, teachers, and the public become more educated energy consumers.

Energy4me is for students

The Energy4me website, www.energy4me.org, is a single source for factual information on all types of energy resources, for every grade level. Students will find

- fun activities
- coloring pages
- information for school reports
- science fair project ideas
- scholarship and university program information
- career opportunities

Energy4me is for educators

Energy4me offers teachers of all grade levels tools for teaching about oil and gas and other energy sources. Resources include

- educational curriculum
- fun classroom activities/experiments
- classroom presentations by SPE members
- teacher workshops at selected SPE conferences
- an energy education kit for the classroom
- "Oil and Natural Gas" book for students

Energy4me is for industry professionals

SPE encourages members to make presentations to students and civic organizations to inform them about the energy industry. Classroom presentations are also a great avenue for promoting petroleum engineering careers.

Energy4me.org provides speakers with

- prepared presentations
- demonstration activities
- incentive programs based on the number of qualified presentations.
- many more useful resources

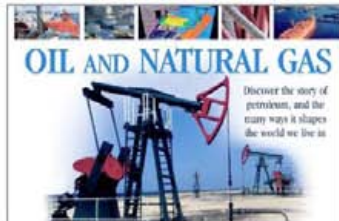
Energy4me is for everyone

Whether it is the news headline or frequently asked questions that draw the public, everyone is sure to find useful materials on energy4me.org. Energy4me.org provides

- accurate energy information from a trusted resource—SPE.
- answers to important questions like "how much oil is left" information about alternative energy sources and environmental protection

www.energy4me.org

SPE encourages its members to educate students and civic organizations by giving presentations. Energy is the challenging issue of our time, and SPE believes personal contact is the most effective way to provide the facts.



Here are ways you can contribute:

SPE sections

- Get involved in your section's educational outreach or speaker programs
- Start an education program in your section if one has not been established
- Coordinate the distribution of SPE's first "Oil and Natural Gas" educational book for students to your local school libraries. Contact EnergyEd@energy4me.org or visit Energy4me.org for more information.



Presentations

- Contact a local school or administrative district to offer yourself as a speaker
- Talk with your child's teacher about classroom speaking opportunities
- Look for opportunities to speak to local clubs and civic organizations
- Order an Energy4me Kit for speaker resources, sample presentations, videos, and fun classroom experiments for your section or personal use. Visit Energy4me.org to place your order and for more information.



Community involvement

- Volunteer to judge science fair projects or speak at a career fair for secondary students
- Help Boy and Girl Scouts earn Energy or Engineering Merit Badges
- Take part in Engineers Week activities that are held annually in February (SPE is a sponsoring society of this global event that focuses on engineering careers)
- Tell friends, family, and the community about SPE's energy education website, Energy4me.org.



Find additional resources on energy4me.org/speaker or contact EnergyEd@Energy4me.org for additional information.

Energy4me

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Richardson, Texas 75080-2040 U.S.A.
Tel: +1.972.952.9304 • www.energy4me.org • EnergyEd@Energy4me.org

Alaska SPE Section Officers, Directors and Volunteers

Position Description	Phone-#	Member Name	E-mail Address
SPE Sections Manager	(972) 952-9451	Brian Wiggins	bwiggins@spe.org
SPE Western Region Director	(925) 842-3541	Med Kamal	MKamal@chevron.com
Elected Officers & Directors			
Section Chairperson	343-2184	Tim Crumrine	Tim.Crumrine@pxd.com
Program Chairperson	564-5392	Robert Younger	younger2@bp.com
Membership Chairperson	564-4795	Chidiebere Igbokwe	Chidiebere.igbokwe@bp.com
Secretary	564-5910	Matthew Mower	matthew.mower@bp.com
Treasurer	564-4096	Olivia Bommarito	olivia.bommarito@bp.com
Section Director	793-1226	Jane Williamson	jane.williamson@alaska.gov
Section Director	263-4280	Forest Bommarito	Forest.Bommarito@conocophillips.com
Section Director	564-5663	Jennifer Julian	jennifer.julian@bp.com
Section Director	564-3718	Brian Magruder	j.brian.magruder@exxonmobil.com
Section Director		Chineme Eke	neme4u@yahoo.com
Volunteer Positions			
Awards & Recognition	564-5392	Robert Younger	younger2@bp.com
BBQ Committee Co-Chair	564-5543	Amanda Rebol	reboa2@bp.com
BBQ Committee Co-Chair	564-5663	Jennifer Julian	jennifer.julian@bp.com
Continuing Education Chair	265-6268	Jack Walker	Jack.A.Walker@conocophillips.com
Engineering Explorers	564-5769	Gordon Pospisil	pospisg@bp.com
Engineering Explorers	564-5092	Alex Yancey	alex.yancey@bp.com
Engineering Explorers	564-5635	Mikie Weeks	micaela.weeks@bp.com
Engineering Explorers	564-5520	Jenny Vorpahl	jenny.vorpahl@bp.com
Engineers' Week	564-5684	Chris Stone	christopher.stone@bp.com
Engineer of the Year	564-5663	Jennifer Julian	jennifer.julian@bp.com
Golf Committee Chair	564-5520	Jenny Vorpahl	jenny.vorpahl@bp.com
Publications Mentor		Vacant	
Publicity	263-4280	Forest Bommarito	Forest.Bommarito@conocophillips.com
Scholarship Chairperson		Tami Wheeler	Tami.Wheeler@bp.com
Technology Transfer Officer	265-1015	Randy Roadifer	r.d.roadifer@conocophillips.com
UAF Liaison	474-5127	Shirish Patil	ffslp@uaf.edu
UAF SPE Faculty Adviser	474-6427	Abhijit Dandekar	ffayd@uaf.edu
UAF Student Chapter Liaison	564-5808	Chris Stone	christopher.stone@bp.com
Webmaster	265-1434	Scott Stanley	Scott.M.Stanley@conocophillips.com
Young Professional Program Chair	265-6492	Erica Kappel	erica.j.kappel@conocophillips.com

Would you like to serve in SPE? Please volunteer!

Contact:

**Tim Crumrine
(907) 343-2184**