



A World of Opportunity

Society of Petroleum Engineers

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OUTLINE

A Brief History of SPE

SPE Mission

SPE Today

Member Benefits

Preparing the Next Generation

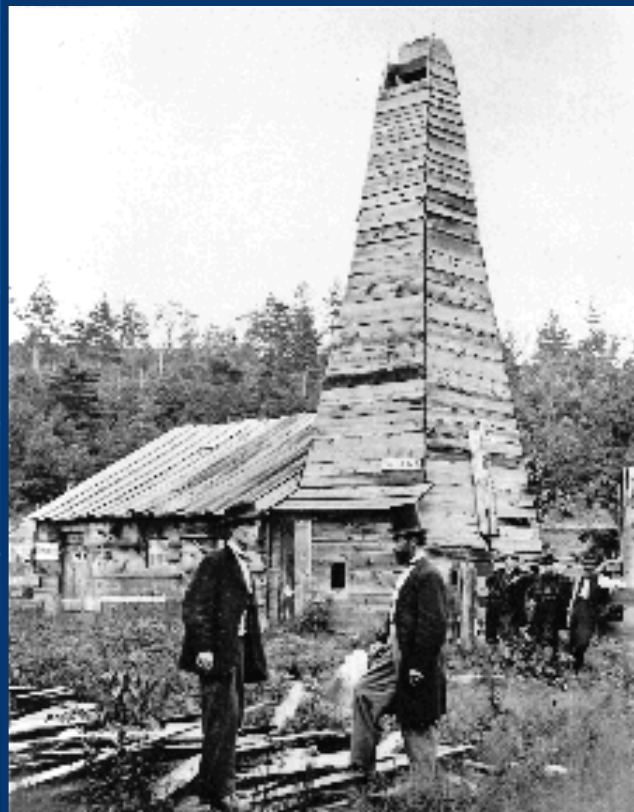
SPE Macaé Section and activities

- Workshops & Conferences
- SPE Distinguished Lecturer program
- Support the local Petroleum Engineering University (LENEP/UENF)

How to become a new member?

Conclusions

A Brief History of SPE



SPE Has Grown with the Industry

- 1871: American Institute of Mining Engineers (AIME) forms in Pennsylvania USA
- 1913: AIME creates oil and gas committee
- 1957: Officially founded as SPE
- 1961: DL series begins with 3 lecturers delivering 28 talks to members in 19 petroleum sections of AIME.
- 1985: SPE incorporates separately
- 2007: SPE celebrates 50-year anniversary
- 2009: SPE surpasses **92,000** members worldwide

SPE 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.**

SPE Today: Global, Diverse Membership

A vertical rectangular graphic with a yellow-to-blue gradient background. At the top, the text 'SPE is where you are.' is written in red. Below this is a stylized world map composed of white dots on a blue background. In the foreground, there are silhouettes of seven people in business attire standing in a line. At the bottom, there is text in white and yellow, including the SPE logo and website address.

SPE is where you are.

All over the world

Our membership combines the brightest minds in the E&P industry, giving you access to new people, new places, and new ideas from all over the world.

And when you join SPE, you also join your local section. So, you can meet regularly with other members in your area to exchange ideas and discuss common issues.

SPE has something for everyone working in the upstream oil and gas industry, no matter where on the globe you may be.

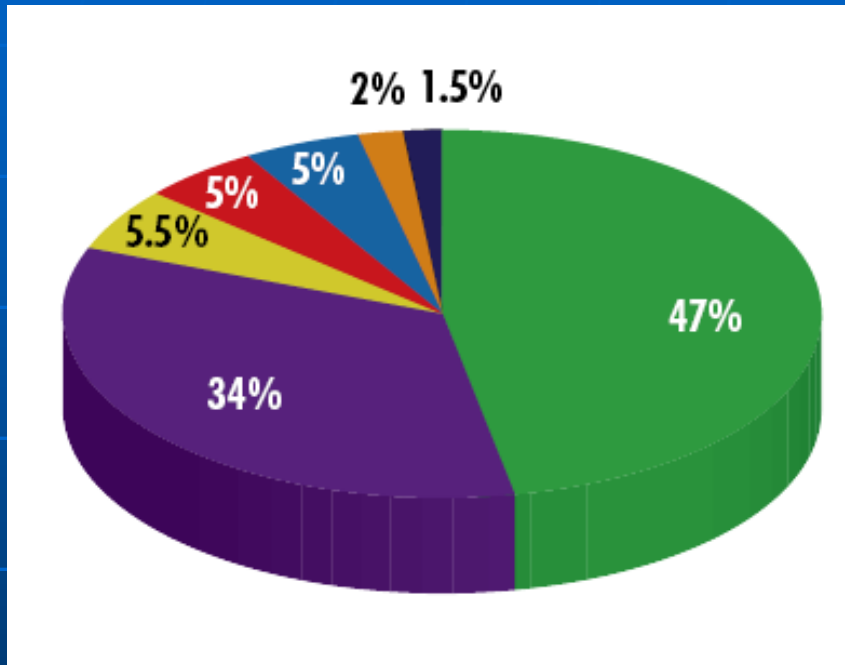
Join our worldwide membership today at www.spe.org/join

Society of Petroleum Engineers  www.spe.org

92,000 members in
117 countries

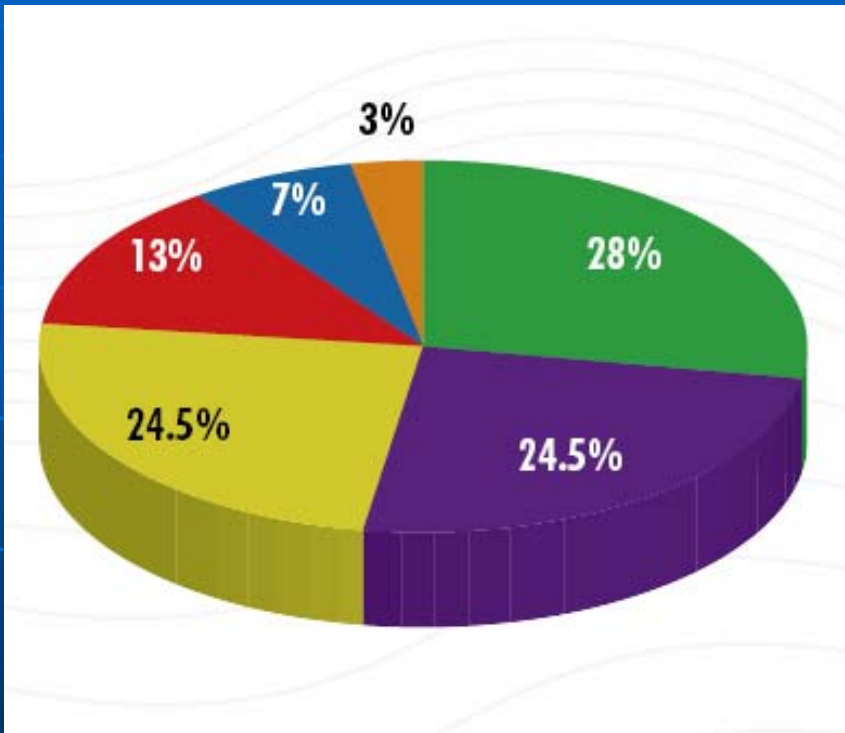
- 173 member sections
- 211 student chapters

Diverse Job Focus



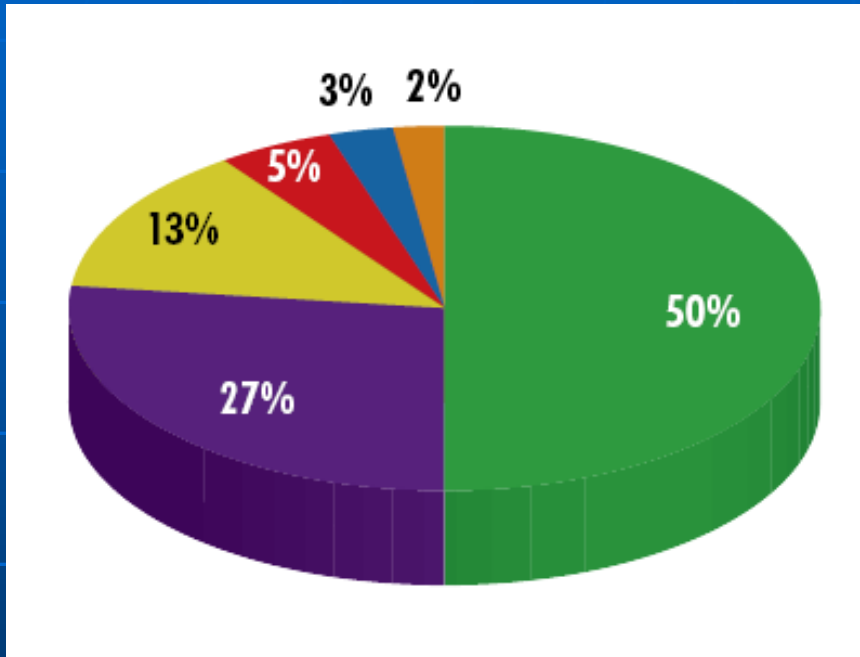
- 🔗 Engineer
- Executive/Manager
- Consultant
- Geologist or Geophysicist
- Other
- Educator
- Superintendent or Foreman

Diverse Technical Disciplines



- Reservoir Description and Dynamics
- Drilling and Completions
- Production and Operations
- Management and Information
- Projects, Facilities, and Construction
- Health, Safety, Security, Environment, and Social Responsibility

Diverse Company Categories



- Independent Oil and Gas Co./Major Integrated Oil/National Oil Co.
- Service/Manufacturing
- Consultant
- Other
- Academia
- Government Agency

SPE Provides Access to Latest Technical Knowledge

- SPE DL series: Learn about both proven and emerging technologies from global experts
- Network with colleagues at the local, regional and international level
- Get professional development opportunities at all career levels

Member Benefits

Tangible

- *Journal of Petroleum Technology* (monthly)
- Membership in Technical Interest Groups, technical sections, geographic sections
- Discounts on technical papers, books, periodicals
- Discounts on conferences, forums, workshops
- Visiting lectures by distinguished experts
- Online resources – www.spe.org

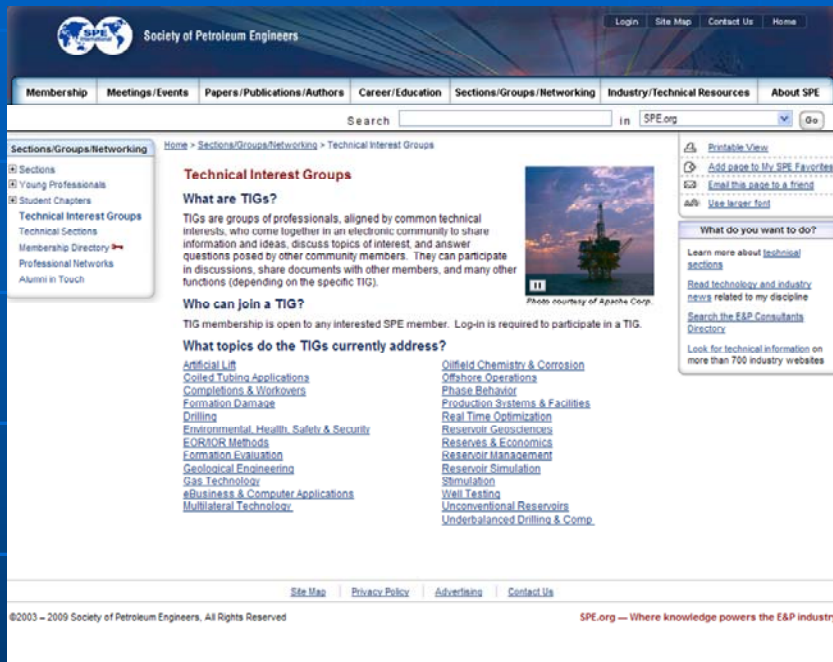
Intangible

- Leadership opportunities
- Networking
- Add professional standing to your resume
- Give back to the industry by sharing knowledge



SPE Online Resources

www.spe.org



- Search and download SPE technical papers
- Join Technical Interest Groups
- Access professional networks
- Connect through eMentoring program
- Read peer-reviewed technical journals online

SPE Technical Papers

- 50,000+ SPE technical papers in www.OnePetro.org multisociety library (80,000+ total papers)
- 1,700 new papers added annually
 - Historical papers back to 1884
- 1 million downloads per year
 - 125 papers downloaded per hour

The following organizations currently have their technical documents available through OnePetro:

- American Petroleum Institute (API)
- American Rock Mechanics Association (ARMA)
- American Society of Safety Engineers (ASSE)
- Offshore Technology Conference (OTC)
- NACE International (corrosion engineers)
- **Society of Petroleum Engineers (SPE)**
- Society of Petrophysicists and Well Log Analysts (SPWLA)
- The Society of Underwater Technology (SUT)
- World Petroleum Council (WPC)

SPE Events



SPE is what you need.

Worldwide events

SPE membership brings you discounted rates to more than 100 worldwide events where you can meet with other professionals to learn about and discuss the latest E&P technical advancements. Our conferences, workshops, and forums also provide opportunities for you to publish and present your latest ideas and findings.

SPE has something for everyone working in the upstream oil and gas industry, no matter where on the globe you may be.

Join our worldwide membership today at www.spe.org/join

Society of Petroleum Engineers 
www.spe.org

- 100+ conferences, forums and workshops each year globally
- To reduce or eliminate travel expense: SPE is placing technical conferences and workshops close to major petroleum operations



Preparing the Next Generation

No. of Young Members Increases

2009 Average Age of Members: 46



Who Are Young Professionals?

- Under age 35
- Less than 10 years of industry experience
- Industry's next generation of leaders

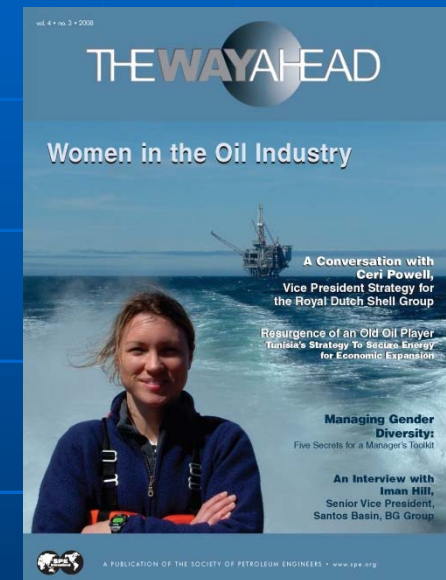


Benefits of SPE's Young Professionals Programs

- Provides opportunities to enhance technical and professional competence, including “soft skills”
- Helps companies get highest returns on their human resources

SPE Young Professionals Programs

- *The Way Ahead* Magazine – in print and online
- Young Professionals Awards
- Young Professionals Workshops
- Global Young Professionals Coordinating Committee
- Ambassador Lecturer Program to universities
- Online Young Professionals Network
- Local Young Professionals activities in SPE Sections
- eMentoring



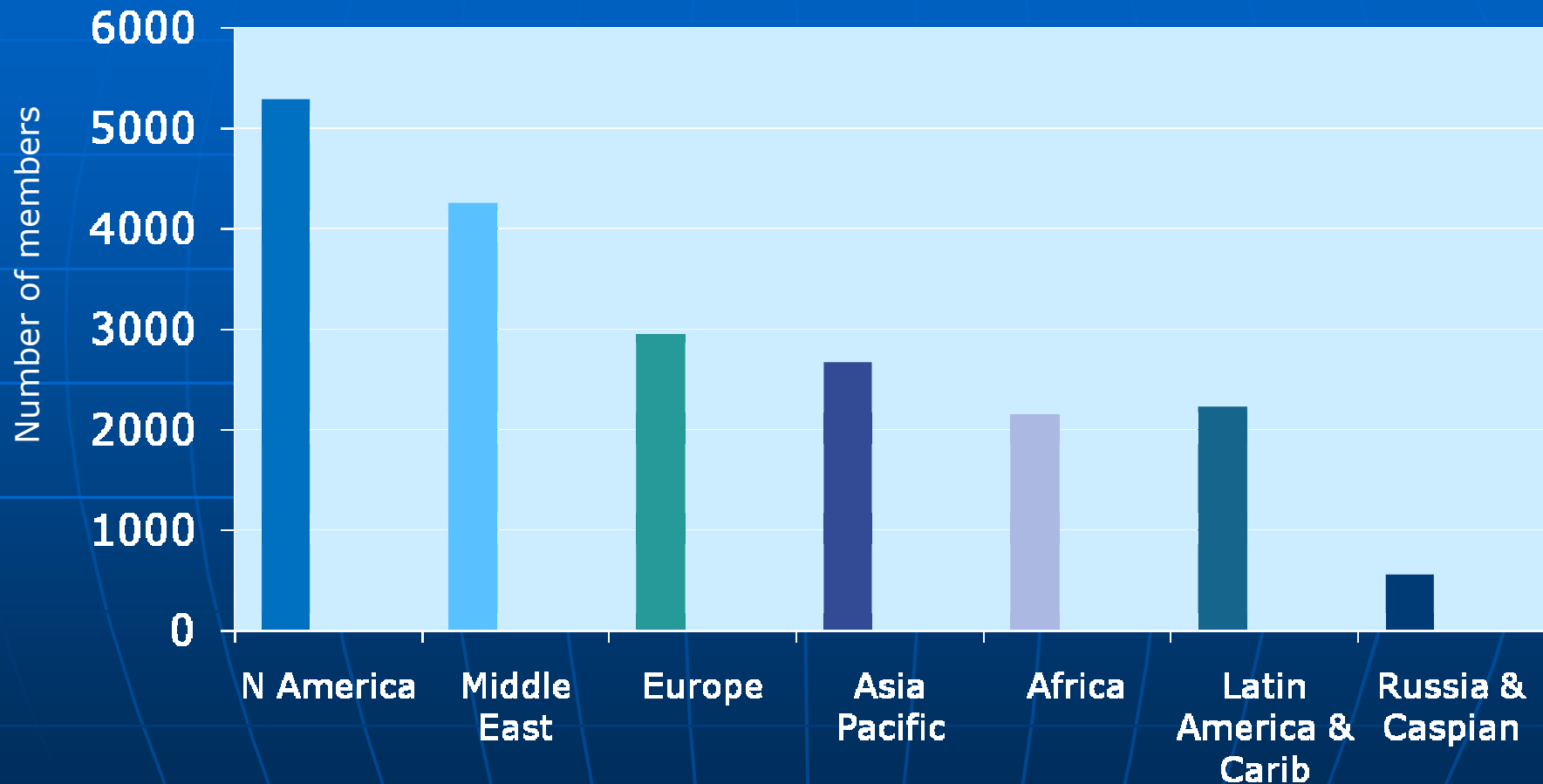
SPE Student Member Growth

- 2009: 23,500 student members at university chapters in 52 countries
- SPE sponsors student membership



Student Members by Region

Year-end 2009

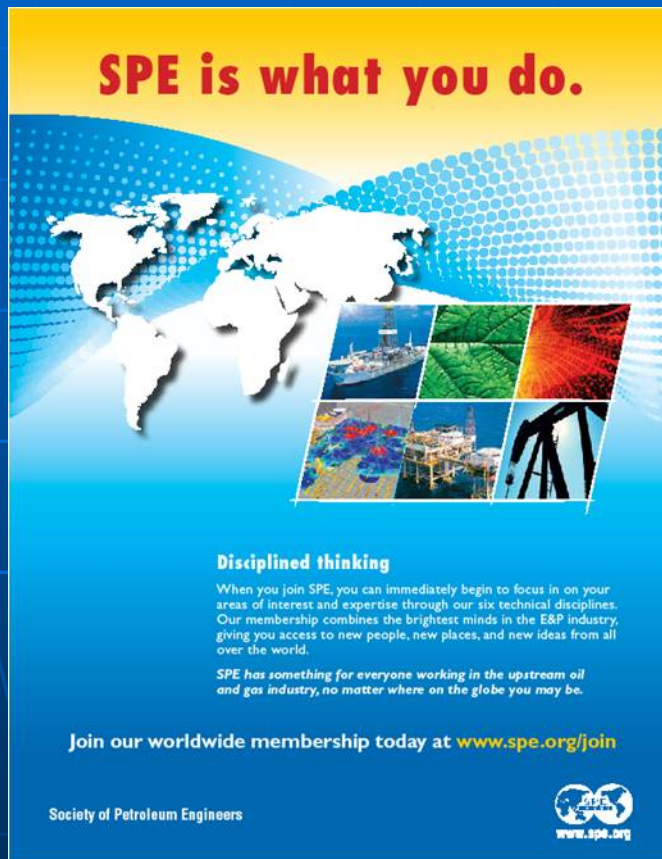


SPE Accelerates Transition for University Students

Development Opportunities

- Regional Student Paper Contests – develop paper writing and presentation skills
- Ambassador Lecturer Program - young professionals visit student chapters to talk about career experiences
- Special student activities– tutoring, field trips, events
- Networking - interact with practicing professionals
- Technology resources – local section meetings, SPE online resources
- eMentoring and online technical groups – connect to professionals globally to get answers to technical and career questions

Keys to SPE's Success

The graphic features a yellow banner at the top with the text 'SPE is what you do.' in red. Below this is a white world map on a blue background with a grid of dots. To the right of the map is a collage of six images: a ship, a green field, a red field, a colorful field, an offshore oil rig, and a wellhead. Below the collage, the text 'Disciplined thinking' is followed by a paragraph about SPE's membership benefits. At the bottom, it says 'Join our worldwide membership today at www.spe.org/join' and includes the SPE logo and 'Society of Petroleum Engineers' text.


SPE is what you do.

Disciplined thinking

When you join SPE, you can immediately begin to focus in on your areas of interest and expertise through our six technical disciplines. Our membership combines the brightest minds in the E&P industry, giving you access to new people, new places, and new ideas from all over the world.

SPE has something for everyone working in the upstream oil and gas industry, no matter where on the globe you may be.

Join our worldwide membership today at www.spe.org/join

Society of Petroleum Engineers 

- Respected resource for technical knowledge
- Diverse, global membership
- Member-driven
- Lifelong opportunities for career development
- Neutral, non-competitive and non-commercial exchange

4 SPE Sections in Brazil





Bahia Section

Espirito Santo Section

Macaé Section

Brasil Section

SPE Macaé Section

Chair: Fernando Antonio Machado, PETROBRAS

Program Chair: Carlos Alberto Pedroso , PETROBRAS

Treasurer: Guilherme Castro, PETROBRAS

Membership Chairperson: Heitor Garcia, PETROBRAS

Secretary: Marcelo Ribeiro, SCHLUMBERGER

Liaison Young Professional: Dayana Nunes, PETROBRAS

Technology Transfer Officer: Mauricio Diniz, PETROBRAS

Continuing Education Chairperson: Adolfo Puime Pires,
LENEP/UENF

Section/Student Chapter Liaison: André Bueno, LENEP/UENF

SPE Macaé Section

ACTIVITIES:

- Workshops & Conferences
- SPE DL series
- Support the local Petroleum Engineering University (LENEP/UENF)

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Past Events

"SPE ATW – Well Control", 15 - 18 Sept 2009, Rio de Janeiro

"Brasil Offshore: the Next Frontier", 16 - 18 de June 2009, Macae Convention Center

"Offshore Mature Fields Management Workshop", 19 a 21 June 2007, Macae Convention Center

SPE ATW "Reliable Sand Control and Completions for Deepwater Heavy Oil", 12 - 15 July 2005, Buzios, RJ.

Incoming Events

ATW CCS Búzios – August***
“Carbon Capture and Storage”

Date and Local to be confirmed

Workshop at Brasil Offshore 2011

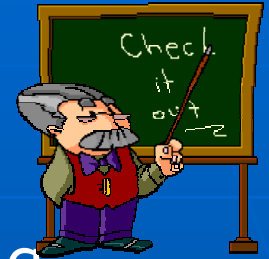
SPE Macaé Section

ACTIVITIES:

- Workshops & Conferences
- **SPE DL series**
- Support the local Petroleum Engineering University (LENEP/UENF)

SPE DISTINGUISHED LECTURER PROGRAM

- One of the most popular SPE programs
- 1961: 3 lecturers
- Last year: 173 SPE Sections were visited by 3 speakers.
- DL Program has answered countless questions and advanced technological issues on all fronts
- 400 presentations are made each year
- **2009-10**: 4th DL (HSE, MI, PFC)



PURPOSE:

- Assist SPE sections in obtaining outstanding speakers for section meetings
- Recognize the professional contributions of individuals

FUNDING:

- Principally funded by the SPE Foundation, SPE international, and companies employing the lecturers

VALUE TO LOCAL SECTIONS

CONTRIBUTION TO LOCAL SECTION TECHNICAL PROGRAMS:

- Provides all speakers for some sections (meet only 3 times/year)
- Typically provides their best programs
- Provides most (or all) of their “non-local” speakers



THE PROGRAM PLAYS CRITICAL ROLES IN:

- Introducing local sections to new technology
- Keeping local sections viable

SPE DL are:

- Excellent speakers
- Very knowledgeable on topics of high interest to SPE members



Brazilians SPE DL

1998-1999

Ricardo Juiniti Bernardo.

2006-2007

Carlos Alberto Pedroso

Luis Carlos B. Bianco.

2007-2008

Átila Aragão

Emmanuel Nogueira

2008-2009

Luis Carlos Marques

Prof. Pavel Bedrikovtsky
(LENEP/UENF)

2009-2010

Agostinho Calderon

Andre Leibsohn Martins

Otto Luiz Alcântara Santos

2007-08 SPE DL Committee Chairman, Fernando A. Machado

SPE DL visiting SPE Macaé Section in 2010

Feb/05 – Alain Zaitoun

Mar/05 – Roland Horne

Apr/20 – Joseph Ayoub

Alain Zaitoun

Poweltec, France

**“ Improved Oil and Gas Recovery by
Polymer Technology: EOR, Water
Shutoff, and Sand Control”**

Feb/05 – 10:00

Auditório da Petrobras - Imbetiba

Roland Horne

Stanford University

"Listening to the Reservoir – Interpretating Data from Permanent Downhole Gauges"

March/05

Special Event – "Lunch and Learn" **

** still being formatted - TBC

Joseph Ayoub

Schlumberger

“ Realizing Full Potential of Hydraulic Fracturing – Damage Mechanisms and Mitigation”

April/20

SPE DL to be scheduled in 2010

Agostinho Calderon, “Openhole Gravel Packing: New Trends and What We Are Doing to Overcome the Challenges”

Andre Leibsohn Martins, “Well Construction Hydraulics in Challenging Environments”

Otto Luiz Alcântara Santos, “Well Control Operations and Researches”.

Luis Carlos Marques, “ The Production Management of Unstable Light Crude Oils Showing Asphaltenes Deposition Problems”

SPE Macaé Section

ACTIVITIES:

- Workshops & Conferences
- SPE DL series
- Support the local Petroleum Engineering University (LENEP/UENF)

SPE Macaé Section and LENEP / UENF

- Support to the local SPE Student Chapter activities:



- Technical seminars (every Friday)

- Books (Petroleum Engineering)

- Online library
(www.Onepetro.org)



Sponsorship opportunities

How to become a new member?



Macaé Section

Not just for engineers

Although engineers are the core of SPE's membership, not all SPE members are engineers. Solving the industry's challenges requires a multidisciplinary effort, and SPE is a place for all of today's industry professionals, regardless of experience or course of study. Facilities, management, information technology, environmental, and safety issues are all part of the resources needed to expand and deliver the supply of oil and natural gas the world needs. All those who work in these areas will find a home in SPE.

Requirements for Membership

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

Visit www.spe.org/membership

If you have any doubt, please contact me at famach2008@gmail.com

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Endereço <http://www.spe.org/index.php> Ir Links >>

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President's Column



SPE Offers SPE Certification Exam
The SPE Petroleum Engineering Certification Programme offers an international, across borders credential that will be recognized by a global industry. SPE invites you to apply. The SPE Certification exam may be waived if the applicant has previously passed a written examination qualifying him/her to practice in petroleum engineering as a registered or licensed professional engineer. To find out if you qualify, simply fill out the [exam waiver form](#).

Drilling Systems Automation Section
There is still time to R.S.V.P. and join the Drilling Systems Automation (DSA) Technical Section in a half-day meeting that will be held in conjunction with the IADC/SPE Drilling Conference in New Orleans, Louisiana Monday, 1 February. There is no charge to attend the meeting, but there is limited seating. [Find out more>>](#)

Gus Archie Scholarship Program
The Gus Archie Memorial Scholarship is supported by the Archie Fund of the SPE Foundation. The Archie Fund endows each scholarship at \$6,000 per year. The program provides support of an individual student through up to four years of university study, provided that he/she makes satisfactory academic progress. [Find out how to apply>>](#)

Upcoming SPE Events Worldwide

Middle East, India and North Africa

- Fractured Reservoir Development: Challenges and Opportunities
1 - 3 Feb 2010 | Kuwait City, Kuwait

Think Easy

roxar.com/RMS2009

BAKER HUGHES
BakerHughes/GoGreen

IHS PETRA®
One price, multiple modules.

Concluído

Internet

Iniciar

Fernando Antonio Ma... Society of Petroleum ... 93%

08:08

CONCLUSIONS

- 92.000+ members (173 section in 117 countries), and still growing...
- Efficient Knowledge Management
 - 100+ Technical Events (Conferences, ATW, Forum Series)
 - Online resources (TIG, library, peer review articles, JPT)
 - Onepetro.org
 - SPE DL

CONCLUSIONS

Volunteer work

Opportunities to :

- give back to industry, sharing knowledge
- mentor YP and PE students
- be a lecturer
- Develop “soft skills” (leadership, coaching, teaching...)

THANKS

QUESTIONS?

WWW.SPE.ORG