

World Petroleum Council

Session 3

Cooperation between industry, government and academia



Dr Pierce Riemer – Director General



World Petroleum Council (WPC)

- **International Organisation**
- **Not for Profit**
- **Secretariat based in London**
- **Established in 1933**
- **60 member countries**
- **OPEC and Non-OPEC members**
- **IOC & NOC**
- **Neutral, not political un-biased international forum**
- **United Nations accredited**
- **Members >95% World oil and gas production and consumption**
- **Main event – triennial congress**
- **Leaving a Legacy**





World Petroleum Council - Member Countries

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- | | | | | |
|--------------|------------------|---------------|----------------|-------------|
| ■ Algeria | ■ Cuba | ■ Israel | ■ Norway | ■ Spain |
| ■ Angola | ■ Czech Republic | ■ Japan | ■ Pakistan | ■ Sweden |
| ■ Argentina | ■ Denmark | ■ Kenya | ■ Peru | ■ Surinam |
| ■ Australia | ■ Egypt | ■ Kazakhstan | ■ Poland | ■ Thailand |
| ■ Austria | ■ Finland | ■ Korea | ■ Qatar | ■ Turkey |
| ■ Azerbaijan | ■ France | ■ Kuwait | ■ Romania | ■ UK |
| ■ Belgium | ■ Gabon | ■ Libya | ■ Russia | ■ Uruguay |
| ■ Brazil | ■ Germany | ■ Macedonia | ■ Saudi Arabia | ■ USA |
| ■ Canada | ■ Hungary | ■ Mexico | ■ Serbia | ■ Venezuela |
| ■ China | ■ India | ■ Morocco | ■ Sierra Leone | ■ Vietnam |
| ■ Colombia | ■ Indonesia | ■ Mozambique | ■ Slovenia | |
| ■ Croatia | ■ Iran | ■ Netherlands | ■ Slovakia | |
| | | ■ Nigeria | ■ South Africa | |



World Petroleum Council – International cooperation

- United Nations, UNFC, UNECE, Global Compact
- International Energy Agency (IEA)
- Organisation for Petroleum Exporting Countries (OPEC)
- Oil and Gas Producers Association (OGP)
- International Petroleum Industry Environmental Conservation Association (IPIECA)
- International Standards Organisation (ISO)
- International Gas Union (IGU)
- Associations and Institutions from WPC member countries
- Society of Petroleum Engineers (SPE)
- American Association of Petroleum Geologists (AAPG)
- European Association of Geological Engineers (EAGE)
- The World Coal Institute (WCI)
- The World Energy Council
- The World Bank/IMF
- ARPEL
- Petrofed
- Transparency International





International Co-operation - OGE (with IGU)



What is WPC doing on Youth ?

- 2000 – Canvassed all CEOs
- 2001 – Canadian Legacy Programme
- 2003 – Brazil Legacy Programme
- 2004 - Held 1st WPC Youth Forum - China
- 2005 - Youth Sessions & Student Programme at 18th WPC Congress, South Africa
- 2006 – Workshop to forward strategy
- 2007 – Launched Youth Committee
- 2008 – 19th WPC with Youth Focus
- 2009 – 2nd WPC Youth Forum planned



World Petroleum Council – Legacy - Canada

- **BUCKS BOOST BRAINS, OILPATCH AWARDS SCHOLARSHIPS**

- Chemical engineering student Christian Hamuli fled the Democratic Republic of Congo after his teenaged brother was murdered and rebels attacked his university.
- Damon Ross, a fourth-year petroleum engineering student at the University of Alberta, spent part of last summer living in a truck by a creek.
- Both are among 200 students from across Canada receiving \$3,000 scholarships this year from the legacy created after Calgary hosted the 2000 World Petroleum Congress.
- Not loans, don't increase student debt, not to be repaid
- 1200 students to date
- Plus over 70 volunteers who got employment with oil and gas companies after the congress





World Petroleum Council – Legacy – Canada - www.wpcscholars.ca

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Scholarships



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Welcome to **wpcscholars.ca**, a joint venture of the [World Petroleum Council, Canadian Association \(WPC\)](#) and the [Canada Millennium Scholarship Foundation](#).

Whether you are a scholar looking for a job, a company or organization looking to hire, or you just want to network within the Canadian petroleum industry, this site exists to help WPC millennium scholars and member companies connect.

Scholars - Keep your online profile and résumé up to date and visit often to discover job opportunities and share work experiences.

Human Resource professionals - Post jobs and scan the résumés of hundreds of scholarship recipients who have benefited from your scholarship endowment program.

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Eligible programs of study:
Petroleum Engineering, Environmental Engineering, Geology or Geophysics,
Chemical Engineering, Environmental Sciences, International Business
Management



Youth at the 19th WPC Congress



Sunday 29 June 2008

Features

Youth Committee faces up to the industry's demographic gap

By Severin Secklehner

Q What is the Youth Committee and what does it plan to achieve this week?

A The petroleum industry is on the edge of a demographic cliff: the average age of exploration and production (E&P) staff is 50; since 1981, the industry has lost 1.1 million employees; and the number of young people joining the industry or even graduating in related areas is falling. The growing shortage of skilled labour may impede the industry's ability to operate, especially large E&P projects. The problem is made worse because of rapid growth in world energy demand and tighter standards for environmental stewardship and social responsibility.

The WPC set up its Youth Committee (YC) to help meet these challenges: to generate a higher profile for the issue and to encourage greater numbers of young people to enter the business. The Committee is made up of 17 people – four women and 13 men – from various professional back-

grounds and countries, all under the age of 35 and all in full-time employment.

Over the course of this week, the YC will present the views of young people on what the petroleum sector can do to bridge the demographic gap. The event will also give young people a valuable opportunity to become familiar with the magnitude of the industry and the technical and managerial challenges it presents. The YC also wants to increase awareness within companies that the Congress is not just for senior industry people and to encourage more organisations to send young, junior employees to future events.

Q What big themes are particularly relevant to young people?

A The YC is hosting a two-hour special youth session, which will be open to the public. Prominent industry leaders, students and young professionals will attempt to answer the question: does the petroleum industry need an image makeover? We think this topic is relevant for all people in the industry, regardless of age, sex and culture. We will also be assessing the barriers young people face in moving into a career in the oil sector. Other topics, including social and environmental concerns, new technologies and work-

ing in a multinational environment, will be discussed during the congress at the Youth Exhibition Centre Stand.

Q Why should people attend the youth sessions and youth stand?

A It provides an opportunity to engage with young people already working within the industry and to heighten aware-

ness of youth issues. If you are a student or young professional interested in becoming involved in YC activities, or if you want to support any of the YC initiatives, we would be delighted to see you at the Youth Exhibition Centre Stand. The YC hopes that its activities at the Madrid Congress will lay the foundations for a stronger youth influence at future congresses and within the petroleum sector in general.



The Youth Committee invites you to the Youth Exhibition Centre Stand



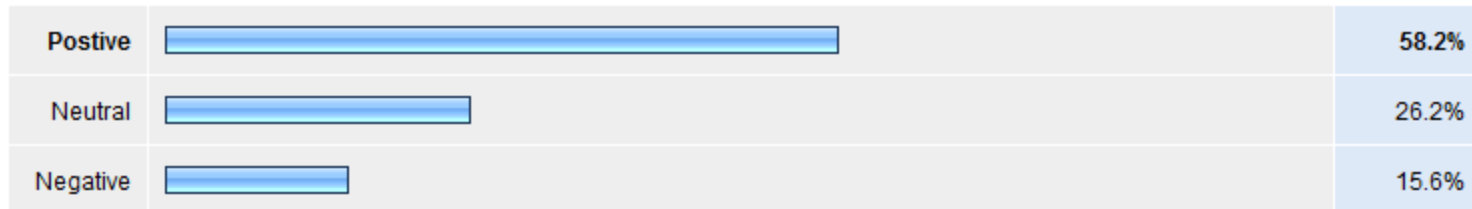
Abu Dhabi pours petrodollars





Image of the industry

Participants were asked how they felt about the industry in general:



Then they were asked to respond to a few statements:

	I Agree	I neither agree or disagree	I Disagree
It is Challenging	88.4% (608)	9.6% (66)	2.0% (14)
It is Progressive	63.1% (434)	21.5% (148)	15.4% (106)
It is Interesting	84.4% (581)	12.6% (87)	2.9% (20)
It is Dirty	36.2% (249)	42.2% (290)	21.7% (149)
It is Greedy	35.9% (247)	46.5% (320)	17.6% (121)
It is Corrupt	23.8% (164)	45.9% (316)	30.2% (208)

Youth perception of the industry

Participants were asked how they rank the industry on key issues:

	I Agree	I Neither agree or disagree	I Disagree
It is a high tech industry	81.8% (563)	12.6% (87)	5.5% (38)
Its attractive to young people	66.4% (457)	21.7% (149)	11.9% (82)
It does a lot on environmental issues	37.1% (255)	38.7% (266)	24.3% (167)
It has equal opportunities for women	31.1% (214)	40.4% (278)	28.5% (196)

Would you consider a long term career in the industry?

Yes		66.4%
No		13.7%
Not Sure		19.9%

What can the industry do to attract more young people?

Environmental consideration, early engagement, mentoring and long term career planning were listed as key ways to attracting youth to the industry:

	I agree	I neither agree or disagree	I disagree
Pay higher salaries	65.7% (444)	24.3% (164)	10.1% (68)
Spend more on Research	62.9% (422)	32.8% (220)	4.3% (29)
Use more high tech	57.3% (382)	36.7% (245)	6.0% (40)
Care more for the environment	76.4% (511)	19.6% (131)	4.0% (27)
Provide long term career paths	72.7% (489)	23.2% (156)	4.2% (28)
Offer mentoring programmes	73.6% (494)	23.5% (158)	2.8% (19)
Engage with Schools/Universities	82.7% (559)	14.5% (98)	2.8% (19)
Invest more into local communities	66.3% (437)	26.6% (175)	7.1% (47)



World Petroleum Council

www.energiseyourfuture.com



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2nd WPC Youth Forum Paris 2009



World Petroleum Council



www.world-petroleum.org/legacy/legacy.htm

www.world-petroleum.org/youthsurvey.htm



Today's Questions

- To what extent is it possible to draw up a comprehensive strategy for human resources development in the petroleum industry?
- What do we expect from the different stakeholders?
- What are the most promising avenues for cooperation between governments, energy companies and academic institutions to address skills shortage in a dynamic industry



Session 3 – Panel

- **Aziz Chowdhury, Director Global Talent Acquisition, Baker Hughes**
- **Clive Eckersley, CEO, NExT**
- **Nabeel Al-Salem, Associate Director, Qatar National Research Foundation**
- **Anqi Qian, Director of Strategic Initiatives, Carnegie Mellon University**
- **Mohamed Moradi, Human Resources Manager, BAPCO**
- **Jim Holste, Dean for Research and Graduate Studies, Texas A & M, Qatar**