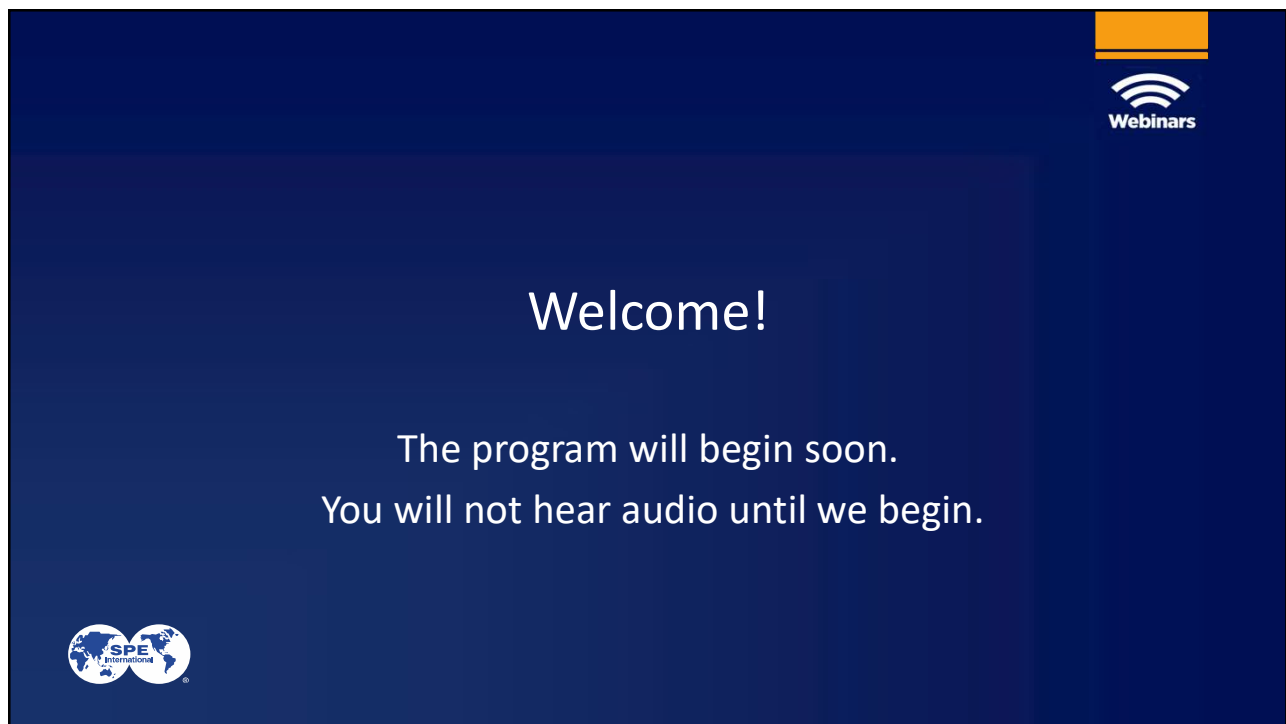




A dark blue rectangular slide with a white Wi-Fi symbol and the word "Webinars" in the top right corner. In the center, the word "Welcome!" is written in large white font, followed by two lines of smaller white text: "The program will begin soon." and "You will not hear audio until we begin." In the bottom left corner, there is a logo for SPE International, which consists of two white globes with the letters "SPE" and the word "International" in between.

Webinars

# Welcome!

The program will begin soon.  
You will not hear audio until we begin.

 SPE International



**PetroWiki is a wiki**  
**Just use it!....and continually Improve it!**

Presenters: Bob Pearson & Tao Yang  
Supported by: Maritza Vargas & Jenny Terrell  
March 2023



Glynn Resources Ltd





## Agenda



- Introduction to PetroWiki and the Pet. Eng. Handbook (PEH).
- Maintaining PetroWiki as an Ever-Green Reference Document.
- PetroWiki as a Training Resource.
- Useful Tips in Creating New Content and Editing Content.
- PetroWiki Volunteering and Service Opportunities.
- An Interactive Discussions &/or Questions from Attendees.



# **PetroWiki**

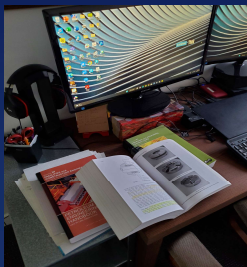


- A technical encyclopedia for those in the Upstream Oil, Gas & Energy Supply industry.
- A Key Resource for new entrants, YPs., and students.
  - Providing background information on topics covered by the SPE.
  - Explaining processes, workflows or design/equipment options.
  - When appropriate, explaining how to do something.
- A vehicle to promote knowledge sharing and collaboration.
- An aid for teaching; training and mentoring.

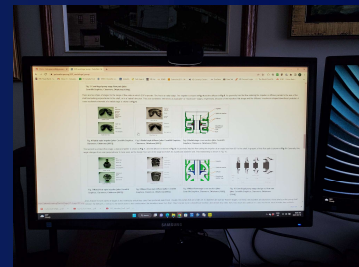


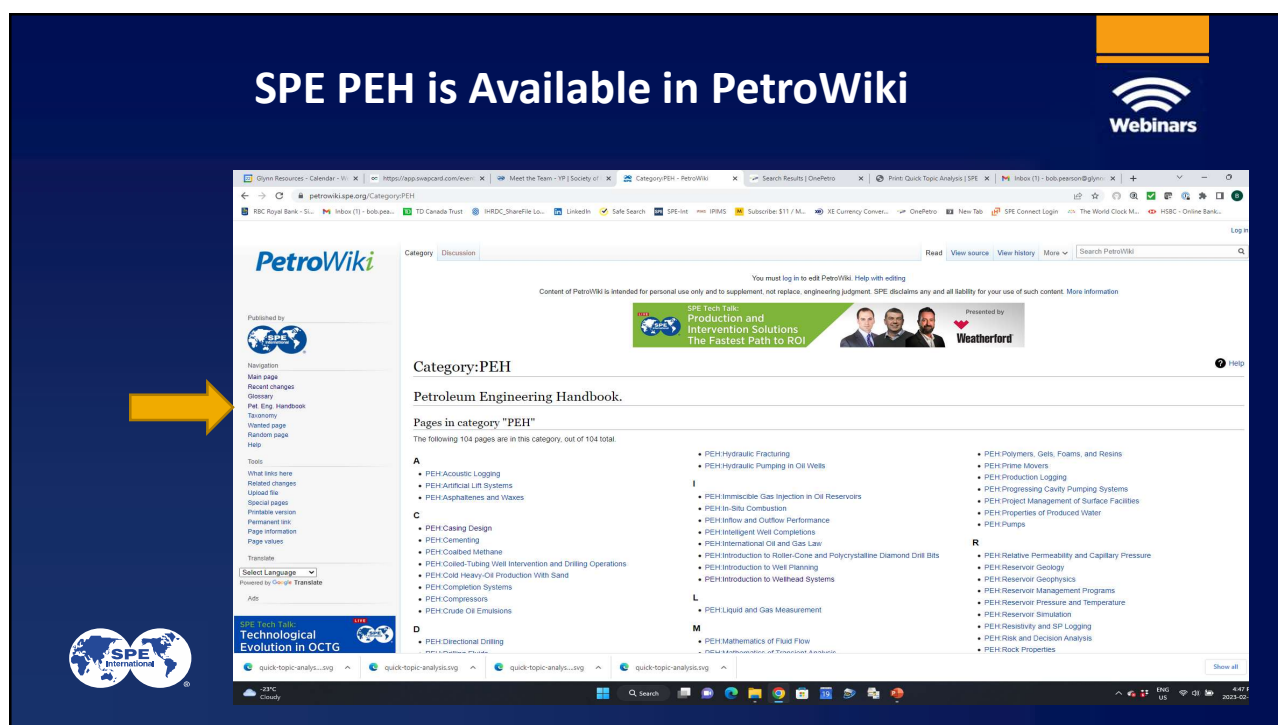
**<https://petrowiki.spe.org/PetroWiki>**

## Life before & with PetroWiki



- Before PetroWiki, we or our Employers had to buy relevant Volumes of the SPE Petroleum Engineering Handbook and other textbooks; or
- Make frequent trips to the University or Company Library.
- For a P&F Specialist that was likely to be, as a minimum of:
  - Vol III, IV & VI.
  - US\$90 each, for SPE Members; or
- Now, the same information, a synopsis and updated materials are freely available to anyone with just a few clicks!
- No wonder that it is now the most visited site that the SPE supports!
- <https://petrowiki.spe.org/PetroWiki>





**SPE PEH is Available in PetroWiki**

**Webinars**

**PetroWiki**

Published by

Navigation

- Main page
- Recent changes
- Glossary
- Pet. Eng. Handbook
- Taxonomy
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- Random page
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Tools

- What links here
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Translate

Select Language

Powered by Google Translate

Ads

**SPE Tech Talk: Technological Evolution in OCTG**

**Category:PEH**

**Petroleum Engineering Handbook.**

**Pages in category "PEH"**

The following 104 pages are in this category, out of 104 total.

- A**
  - PEH Acoustic Logging
  - PEH Airstream Lift Systems
  - PEH Asphaltenes and Waxes
- C**
  - PEH Casing Design
  - PEH Cementing
  - PEH Coated Methane
  - PEH Coiled-Tubing Well Intervention and Drilling Operations
  - PEH Cold Heavy-Oil Production With Sand
  - PEH Completion Systems
  - PEH Compressors
  - PEH Crude Oil Emulsions
- D**
  - PEH Directional Drilling
- E**
  - PEH Hydraulic Fracturing
  - PEH Hydraulic Pumping in Oil Wells
- I**
  - PEH Immiscible Gas Injection in Oil Reservoirs
  - PEH In-Situ Combustion
  - PEH Inflow and Outflow Performance
  - PEH Intelligent Well Completions
  - PEH International Oil and Gas Law
  - PEH Introduction to Roller-Cone and Polycrystalline Diamond Drill Bits
  - PEH Introduction to Well Planning
  - PEH Introduction to Wellhead Systems
- L**
  - PEH Liquid and Gas Measurement
- M**
  - PEH Mathematics of Fluid Flow
  - PEH Mechanisms of Reservoir Bankruptcy
- P**
  - PEH Polymer Gels, Foams, and Resins
  - PEH Prime Movers
  - PEH Production Logging
  - PEH Progressing Cavity Pumping Systems
  - PEH Project Management of Surface Facilities
  - PEH Properties of Produced Water
  - PEH Pumps
- R**
  - PEH Relative Permeability and Capillary Pressure
  - PEH Reservoir Geology
  - PEH Reservoir Geophysics
  - PEH Reservoir Management Programs
  - PEH Reservoir Pressure and Temperature
  - PEH Reservoir Simulation
  - PEH Resistivity and SP Logging
  - PEH Risk and Decision Analysis
  - PEH Rock Properties

## **PetroWiki** 2022 Report Card



- Total number of users: 851,000
- Total number of hits: (sessions) 1.3 million
- Average visit duration: 1 minute 45 seconds
- New pages: 27
- Edits by Jenny Terrel the SPE Staff lead:  $\pm$  200
- Edits by SPE Members: 30
  - “We could do better!”



<https://petrowiki.spe.org/PetroWiki>

# Technical Sections & Communities are adding New Materials



The screenshot displays the PetroWiki page for 'Category:8.1.6 Artificial intelligence'. The page includes a sidebar with navigation links such as 'Main page', 'Recent changes', 'Glossary', and 'Pet. Eng. Handbook'. The main content area features a table of contents for the category, listing sections like 'Artificial intelligence', 'History of Artificial Intelligence', and 'Deep Learning, big data, and artificial general intelligence (2011-present)'. Below the table of contents, there is a section titled 'Artificial intelligence' with a definition and a 'What is the definition of artificial intelligence (AI)?' subsection. The page also includes a 'History of Artificial Intelligence' section and a 'SPE Bookstore' banner at the top right.

# The Sustainable Development Technical Sections has an Active PW Work-Group

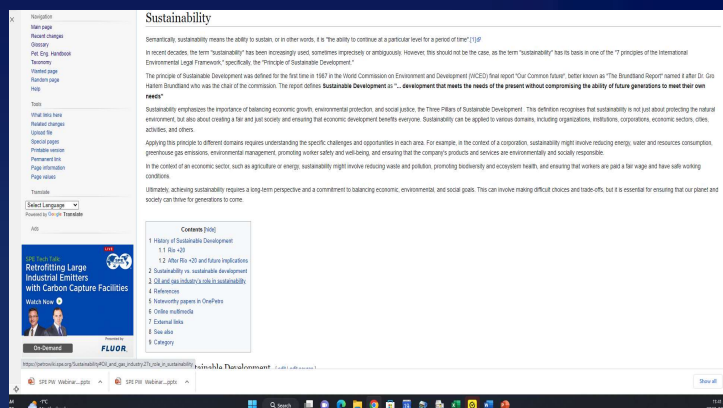


Our moderator, Maritza Vargas, sits on both the PW Steering Committee & the SD TS PW Work-group. They recently added 3 pages on hot topics:

<https://petrowiki.spe.org/Sustainability Strategies>

<https://petrowiki.spe.org/Climate change>

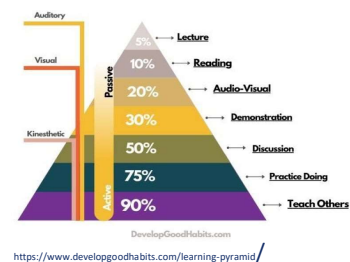
<https://petrowiki.spe.org/Sustainability>



## PetroWiki is a Training Resource

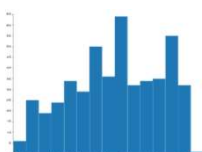


- For self-study or as pre-read materials to make lectures less boring and class demonstrations more meaningful.
- For modern hybrid learning programs that combine:
  - Reading & watching materials to facilitate
    - In class-discussion
    - Hands-on practice
- To demonstrate understanding by providing material to teach others:
  - We retain 90% of what we teach.
  - The SPE PetroWiki University program facilitates the use of a PetroWiki contribution as an alternate to a term-paper.
- <https://jpt.spe.org/twa/effective-professional-development-can-you-teach-what-you-learned>



## Help Needed for an Ever-Green Document

### SPE Research Portal Data on ESP Motors & PMM



Plenty of discussion about ESP Motors over the last 15 years (6-65p.a.). There must be some additional Noteworthy Papers in OnePetro!



Over 100 entries about Permanent Magnet ESP Motors over the last 15 years. These must provide enough information for a new paragraph.



### PetroWiki - ESP motors

- **Noteworthy papers in OnePetro**[\[edit\]](#) [\[edit source\]](#)
  - Blanksby, J. M., Hicking, S., & Milne, W. H. (2005, January 1). Deployment of High Horsepower ESPs to Extend Brent Field Life. Society of Petroleum Engineers. doi:10.2118/96797-MS
  - Waldner, L. B., Wonitoy, K., Klaczek, W., & Noonan, S. G. (2012, January 1). Thermal Performance Testing of a High Temperature ESP Motor for SAGD Applications. Society of Petroleum Engineers. doi:10.2118/160317-MS
  - **2, Really? Nothing since 2012!**
- **Nothing about PMM for ESPs! – Really?**
- **External links**[\[edit\]](#) [\[edit source\]](#)
  - Use this section to provide links to relevant material on websites other than PetroWiki and OnePetro
  - **Why no Links to ESP Supplier Websites?**

## Requesting Contributions to *PetroWiki*

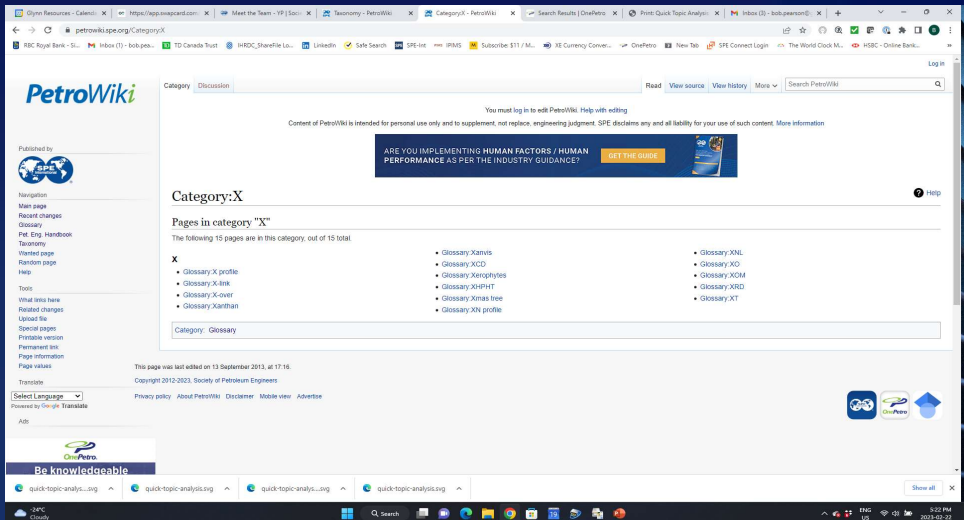


- Add Noteworthy Papers and Links to other Websites.
- Recommend Terms and Acronyms for the Glossary.
- Correct apparent Errors and/or Updates to the text.
- Expand the coverage of existing topics with additional information; new technologies or tools; best practice and case studies.
- Add New Topics not currently available in PetroWiki.



# PetroWiki Glossary





# PetroWiki Glossary/Acronyms





Published by



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Select Language

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Ads

An SPE Bookstore New Release



Category:Acronyms

Read

View source

View history

More

You must log in to edit PetroWiki. Help with editing.

Content of PetroWiki is intended for personal use only and to supplement, not replace, engineering judgment. SPE disclaims any and all liability for your use of such content. More information

ARE YOU IMPLEMENTING HUMAN FACTORS / HUMAN PERFORMANCE AS PER THE INDUSTRY GUIDANCE?

GET THE GUIDE



Category:Acronyms

Pages in category "Acronyms"

The following 62 pages are in this category, out of 62 total.

1

- Glossary-1P

2

- Glossary-2D
- Glossary-2D seismic
- Glossary-2P

3

- Glossary-3C
- Glossary-3D
- Glossary-3D seismic
- Glossary-3P

4

- Glossary-4C
- Glossary-4D seismic

A

- Glossary-ACP
- Glossary-EM
- Glossary-EPA
- Glossary-EPA-NRC
- Glossary-ESP
- Glossary-ESS

F

- Glossary-FARSI
- Glossary-F&P
- Glossary-FLNG

G

- Glossary-Geographic information system (GIS)
- Glossary-GIS
- Glossary-GUI

H

- Glossary-HCIP

Q

- Glossary-PID
- Glossary-Ppm
- Glossary-PSA

Q

- Glossary-QA/QC
- Glossary-Quality assurance/quality control (QA/QC)

R

- Glossary-Ram
- Glossary-ROZ
- Glossary-RS

S

- Glossary-SAR
- Glossary-SARA
- Glossary-SAS
- Glossary-SMOs
- Glossary-STOMP

15

15

## Contributing to *PetroWiki*



- Focus on:
  - Technical information
  - Significant technology developments
  - Best practices and
  - Case studies
- Add content just as you would in Wikipedia
  - Keep it Simple and Manageable
- Start by adding new content to a relevant existing topic page.
  - Create a reference to your original source.
    - This can be a paper, an API or ISO Standard or Recommended Practice or a company's website.
  - Short video explaining a process or demonstrating a technique can be embedded, if your company has one.
  - Technical articles or papers should be distilled to extract Factual Information and Recommendations.
    - Entire papers cannot be posted into PetroWiki
    - Point readers to the original source; classic or Noteworthy papers.



## Ongoing tasks for improving *PetroWiki*



- A workgroup with 5-6 members on Reservoir Surveillance is established to fill the gap in the PetroWiki.
- A new subject on CCS is being constructed by a student team at the Norwegian University of Science and Technology led by Prof. Philip Ringrose.
- A software tool from Word to PetroWiki is under development.



## More about Contributing to *PetroWiki*



- Writing New Pages or Topics.
  - There is a “Sandbox” for testing new ideas.
  - Keep it short and easy to read.
  - New entries are moderated by a SPE Staff member.
- List your original source and show where readers can find more information.
  - “References”- identifies the sources of the materials or equations in the text.
  - Expand with “Recommend Additional Reading”; and
  - “Noteworthy Papers in OnePetro”.
- How to create a quality topic page:  
[https://petrowiki.spe.org/Help:Creating\\_quality\\_topic\\_pages](https://petrowiki.spe.org/Help:Creating_quality_topic_pages)
  - Only SPE Professional Members can edit PetroWiki
    - Students can contribute via an Academic Advisor, a Mentor or a PW Work Group.



## Best Practices for PetroWiki Contributions



- Write from a neutral point of view.
- The objective is to disseminate factual information from reliable sources. Content should:
  - Be non-commercial and agnostic to any specific supplier(s).
  - Inform users about generally accepted principles and common tools.
  - Be written from a neutral point of view.
- Original ideas, emerging technologies and opinions should be disseminated through SPE Technical Papers (not via PetroWiki).



## Volunteering to Help with PetroWiki



- Personal contributions:
  - See PW Main page (<https://petrowiki.spe.org/PetroWiki>).
- Join a PetroWiki Work-group in a Technical or Geographic Section; Functional Community or with the PW Committee.
- Academics can should contact Jenny Terrel ([jterrell@spe.org](mailto:jterrell@spe.org)) to find-out about or Join the PetroWiki University Program.
- Volunteer to fill a vacancy on the PW Steering Committee via the Volunteer Opportunities Portal on SPE-I Website in 1Q each year:
  - <https://connect.spe.org/leagueofvolunteer/opportunities>





Thank You for your time & contributions

Any comments or questions, Maritza?  
Let's see what the Attendees have to say.

