

# 2024 PUBLIC TRAINING CALENDAR



We practice what we teach.

**SUBSURFACE CONSULTANTS & ASSOCIATES, LLC**

Serving the Upstream Oil & Gas Industry Since 1988

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| Date        | Course Name  | Location     | Instructor                         |
|-------------|--|--------------|------------------------------------|
| JANUARY     |  |              |                                    |
| 15-16       | Introduction to Subsurface Machine Learning 🎧  | Houston, TX  | Misra                              |
| 29          | Basics of the Petroleum Industry   | Houston, TX  | Howes                              |
| FEBRUARY    |  |              |                                    |
| 14-15       | Reservoir Management of Unconventional Reservoirs: From Inception to Maturity 🎧  | Houston, TX  | Kabir                              |
| 19          | How to Maximize the Value of Conventional Oil Reservoir Developments: Best Practices 🎧   | Houston, TX  | Prasad                             |
| 20          | Developing Robust Production Forecasts: Do's and Don'ts  | Houston, TX  | Prasad                             |
| 26-27       | Managing Mature Oilfields with Capacitance-Resistance Modeling 🎧   | Houston, TX  | Lake & Jensen                      |
| MARCH       |  |              |                                    |
| 4-6         | Producing Unconventional with Gas Lift - From Annular to PAGL to Plunger Lift and In-Between <b>NEW</b>                                | Houston, TX  | Chokshi or Takacs                  |
| 4-7         | Production Forecasting for Low Permeability Reservoirs 🌐🎧  | Live Online  | Lee                                |
| 6-8         | Reservoir Characterization for Mudrock Reservoirs 🎧  | Houston, TX  | Sonnenberg                         |
| 7-8         | Geomechanics Aspects of CCS Projects <b>NEW</b> 🎧  | Houston, TX  | Araujo, Pastor, & Fernandez-Ibañez |
| 7-8         | Cement Evaluation and Repair Workshop 🎧  | Houston, TX  | Ott & Smolen                       |
| 18-20       | The Practice of Seismic Stratigraphy in Deepwater Settings   | Houston, TX  | Prather                            |
| 18-22       | Applied Subsurface Geological Mapping 🚩🎧   | Houston, TX  | Agah                               |
| 25-27       | Geothermal Energy <b>NEW</b> 🎧   | Houston, TX  | Dindoruk & Livescu                 |
| 25-28       | PRMS and SEC Reserves and Resources Regulations 🌐🎧   | Live Online  | Lee                                |
| 25-29       | Applied Subsurface Geological Mapping 🚩🎧   | Dallas, TX   | Brenneke                           |
| APRIL       |  |              |                                    |
| 1-2         | Applied Drilling Engineering Optimization for Drilling Engineers 🎧   | Midland, TX  | Samuel                             |
| 1-5         | Carbonate Sedimentology and Sequence Stratigraphy 🎧  | Houston, TX  | Lopez-Gamundi                      |
| 3-4         | Applied Drillstring Mechanics for Drilling Engineers 🎧   | Midland, TX  | Samuel                             |
| 5           | Principles and Practices of Mud Motor 🎧  | Midland, TX  | Samuel                             |
| 8-12        | Well Stimulation Workshop: Practical & Applied 🌐🎧  | Live Online  | Roodhart & Nitters                 |
| 9-10        | "Best Practices" for New Well Fracs and Legacy Well Refracs 🎧  | Houston, TX  | Barba                              |
| 11          | Geosteering: Best Practices, Pitfalls, & Applied Solutions 🎧   | Houston, TX  | Woolsey                            |
| 15-16       | In-Well Fiber Optic Sensing 🎧  | Houston, TX  | Dria                               |
| 17          | Navigating CCUS - Gulf Coast Region - Workshop 🎧   | Houston, TX  | Pande                              |
| 4/22 - 7/12 | The Daniel J. Tearpock Geoscience Certification Program ("Geoscience Boot Camp") 🚩👢🎧   | Houston, TX  | SCA Staff                          |
| 22          | Basics of the Petroleum Industry 👢   | Houston, TX  | Howes                              |
| 22-26       | Applied Subsurface Geological Mapping 🚩🎧   | Kuala Lumpur | Shoup                              |
| 23-25       | Elements of Energy Geology – Basin Analysis & Petroleum, Helium, Hydrogen, Geothermal, Uranium, Subsurface Energy Storage <b>NEW</b> 👢 | Houston, TX  | Sonnenberg                         |
| 26          | Basic Petroleum Economics <b>NEW</b> 👢   | Houston, TX  | Howes                              |
| 29          | Basic Petroleum Engineering for Non-Engineers 👢  | Houston, TX  | Howes                              |
| 30          | Applied Contouring Workshop 👢  | Houston, TX  | Agah                               |

**LEGEND:** 🚩 Flagship Course    👢 Boot Camp Course    🌐 Live Online Offering    🏠 Field Course    🎧 Webinar Recording

**MAY**

|       |  |                    |                           |
|-------|--|--------------------|---------------------------|
| 1-3   | Practical Interpretation of Open Hole Logs 🌐🔍  | Houston, TX        | Barba                     |
| 6-9   | Structural Styles in Petroleum Exploration and Production 🌐🔍                                       | Houston, TX        | Taylor                    |
| 6-10  | Applied Subsurface Geological Mapping 🌐🔍   | Bakersfield, CA    | Shoup                     |
| 10-11 | Structural and Sequence Stratigraphic Field Course 🏠🌐🔍   | Hill Country, TX   | Taylor                    |
| 13-17 | Applied Subsurface Geological Mapping 🌐🔍   | Houston, TX        | Agah                      |
| 13-17 | Applied Deep-Water Sedimentology & Stratigraphy 🌐🔍   | Houston, TX        | Rotzien                   |
| 13-17 | The Book Cliffs, UT: A Case Study in Coastal Sequence Stratigraphy 🏠🔍                              | Salt Lake City, UT | Little                    |
| 14-17 | Carbon Capture Utilization & Storage - An Engineering Perspective 🌐🔍                               | Live Online        | Economides & Hatzignatiou |
| 20-24 | Clastic Sedimentology, Stratigraphy and Reservoir Characterization with Core Workshop <b>NEW</b> 🌐 | Houston, TX        | Shoup & Olson             |
| 25    | Modern Depositional Systems as Analogs for Subsurface Characterization <b>NEW</b> 🏠🌐               | Galveston, TX      | Olson                     |
| 27-28 | Applied Seismic Interpretation Workshop 🌐  | Houston, TX        | Willis                    |
| 29-31 | Mapping Seismic Data Workshop 🌐  | Houston, TX        | Cherry                    |

**JUNE**

|       |  |             |            |
|-------|--|-------------|------------|
| 3-6   | Carbon Capture Utilization and Storage - A Geological Perspective 🌐🔍 | Live Online | Sonnenberg |
| 3-6   | Cased Hole and Production Log Evaluation                             | Houston, TX | Barba      |
| 13-14 | Artificial Neural Systems in Petroleum Engineering <b>NEW</b> 🌐🔍     | Houston, TX | Shelley    |
| 24-26 | Seismic Geomorphology <b>NEW</b> 🌐🔍                                  | Houston, TX | Wood       |

**JULY**

|            |   |             |               |
|------------|---|-------------|---------------|
| 10-12      | Energy Transition for Petroleum Professionals (Part 1) 🌐🔍 | Live Online | Meehan        |
| 15-17      | Energy Transition for Petroleum Professionals (Part 2) 🌐🔍 | Live Online | Meehan        |
| 15-19      | Pressure Transient Well Test Design and Interpretation 🌐🔍 | Houston, TX | Economides    |
| 15-19      | Sequence Stratigraphy Applied to O&G Exploration          | Houston, TX | Lopez-Gamundi |
| 22-25      | Production Forecasting for Low Permeability Reservoirs 🌐🔍 | Live Online | Lee           |
| 7/29 - 8/1 | PRMS and SEC Reserves and Resources Regulations 🌐🔍        | Live Online | Lee           |
| 7/29 - 8/2 | Applied Subsurface Geological Mapping 🌐🔍                  | Denver, CO  | Brenneke      |

**AUGUST**

|       |  |             |                    |
|-------|--|-------------|--------------------|
| 5-6   | Reservoir Management of Unconventional Reservoirs: From Inception to Maturity 🌐🔍 | Houston, TX | Kabir              |
| 7-8   | Introduction to Subsurface Machine Learning 🌐🔍                                   | Houston, TX | Misra              |
| 12-13 | Applied Drilling Engineering Optimization for Drilling Engineers 🌐🔍              | Houston, TX | Samuel             |
| 12-14 | Geothermal Energy <b>NEW</b> 🌐🔍  | Houston, TX | Dindoruk & Livescu |
| 14-15 | Applied Drillstring Mechanics for Drilling Engineers 🌐🔍                          | Houston, TX | Samuel             |
| 16    | Principles and Practices of Mud Motor 🌐🔍   | Houston, TX | Samuel             |
| 19-21 | Seal and Reservoir Pressures Analysis for E&P Prospect's Risk Assessment 🌐🔍      | Houston, TX | Shaker             |
| 19-23 | Carbonate Sedimentology and Sequence Stratigraphy 🌐🔍                             | Houston, TX | Lopez-Gamundi      |

**SEPTEMBER**

|   |  |             |       |
|---|--|-------------|-------|
| 9 | Navigating CCUS - Gulf Coast Region - Workshop <b>NEW</b> 🌐🔍 | Houston, TX | Pande |
|---|--|-------------|-------|

|             |   |                  |            |
|-------------|---|------------------|------------|
| 9-12        | Basic Reservoir Engineering for Non-Petroleum Engineers   | Houston, TX      | Economides |
| 10-12       | Unconventional Resource Plays - Workshop 🎧  | Houston, TX      | Sonnenberg |
| 9/16 - 12/6 | The Daniel J. Tearpock Geoscience Certification Program ("Geoscience Boot Camp") 🚩👤🎧  | Houston, TX      | SCA Staff  |
| 16          | Basics of the Petroleum Industry 👤  | Houston, TX      | Howes      |
| 17          | Basic Petroleum Economics NEW 👤   | Houston, TX      | Howes      |
| 18-20       | Elements of Energy Geology – Basin Analysis & Petroleum, Helium, Hydrogen, Geothermal, Uranium, Subsurface Energy Storage NEW 👤 | Houston, TX      | Sonnenberg |
| 23-26       | Structural Styles in Petroleum Exploration and Production 👤🎧  | Houston, TX      | Taylor     |
| 27-28       | Structural and Sequence Stratigraphic Field Course 🏠👤🎧  | Hill Country, TX | Taylor     |
| 30          | Basic Petroleum Engineering for Non-Engineers 👤   | Houston, TX      | Howes      |
| 9/30 - 10/1 | Carbon Capture Utilization and Storage - A Geological Perspective 🎧   | Houston, TX      | Sonnenberg |
| 9/30 - 10/4 | Applied Subsurface Geological Mapping 🚩🎧  | Midland, TX      | Brenneke   |

## OCTOBER

|            |   |                    |               |
|------------|---|--------------------|---------------|
| 1          | Applied Contouring Workshop 👤   | Houston, TX        | Agah          |
| 2-4        | Practical Interpretation of Open Hole Logs 👤🎧   | Houston, TX        | Barba         |
| 7          | Data Analytics Workflows for Artificial Lift, Production, and Facility Engineers NEW        | Houston, TX        | Chokshi       |
| 7-11       | Applied Subsurface Geological Mapping 🚩👤🎧   | Houston, TX        | Agah          |
| 7-11       | The Book Cliffs, UT: A Case Study in Coastal Sequence Stratigraphy 🏠🎧                       | Salt Lake City, UT | Little        |
| 14-18      | Applied Deep-Water Sedimentology & Stratigraphy 🎧   | Houston, TX        | Rotzien       |
| 14-18      | Clastic Sedimentology, Stratigraphy and Reservoir Characterization with Core Workshop NEW 👤 | Houston, TX        | Shoup & Olson |
| 19         | Modern Depositional Systems as Analogs for Subsurface Characterization NEW 🏠👤               | Galveston, TX      | Olson         |
| 21-22      | Applied Seismic Interpretation Workshop 👤   | Houston, TX        | Willis        |
| 21, 23, 25 | Managing Mature Oilfields with Capacitance-Resistance Modeling 🌐🎧                           | Live Online        | Lake & Jensen |
| 21-24      | Deepwater Jackfork Field Course (Arkansas - Oklahoma) 🏠 NEW                                 | Little Rock, AR    | Wood          |
| 23-25      | Mapping Seismic Data Workshop 👤   | Houston, TX        | Cherry        |
| 28         | Geosteering: Best Practices, Pitfalls, & Applied Solutions 🎧                                | Houston, TX        | Woolsey       |
| 30-31      | Artificial Neural Systems in Petroleum Engineering NEW 🎧                                    | Houston, TX        | Shelley       |

## NOVEMBER

|       |   |             |                           |
|-------|---|-------------|---------------------------|
| 4-5   | In-Well Fiber Optic Sensing 🎧                                       | Houston, TX | Dria                      |
| 6-8   | Energy Transition for Petroleum Professionals 🎧                     | Houston, TX | Meehan                    |
| 11-13 | Carbon Capture Utilization & Storage - An Engineering Perspective 🎧 | Houston, TX | Economides & Hatzignatiou |
| 14-15 | "Best Practices" for New Well Fracs and Legacy Well Refracs 🎧       | Houston, TX | Barba                     |
| 18-20 | The Practice of Seismic Stratigraphy in Deepwater Settings          | Houston, TX | Prather                   |
| 20-22 | Unconventional Resource Plays - Workshop 🎧                          | Houston, TX | Sonnenberg                |

## DECEMBER

|      |   |             |              |
|------|---|-------------|--------------|
| 2-6  | Applied Subsurface Geological Mapping 🚩🎧                    | Houston, TX | Brenneke     |
| 9-10 | Cement Evaluation and Repair Workshop 🎧                     | Houston, TX | Ott & Smolen |
| 9-13 | Pore Pressure, Fracture Pressure, and Well-Bore Stability 🎧 | Houston, TX | Shaker       |

Register online at [www.scacompanies.com](http://www.scacompanies.com) or email us at [training@scacompanies.com](mailto:training@scacompanies.com).

# Our Services

## TRAINING SERVICES

Our mission at SCA is to provide a quality training experience that brings added success to our upstream oil and gas industry clients. From its founding in 1988, SCA has provided leading edge, technical training services around the world to over 27,000 petroleum industry professionals of all experience levels. We offer both in-person and live online training courses in the following categories:

- Geoscience
- Engineering
- Unconventional Reservoirs
- Energy Transition
- Formation Evaluation
- Multi-Disciplinary & Introductory
- Field Courses

## CONSULTING & DIRECT HIRE SERVICES

SCA is a world leader in providing petroleum exploration, development, and production consultancy and direct hire services. Our experts have conducted consulting assignments in over 50 countries and in virtually every major producing basin around the world. We can provide consultants or direct-hire support in various areas of expertise including:

- Geologists
- Geophysicists
- Geoscientists
- Petrophysicists
- Geotechnicians
- Engineering Technicians
- Petroleum Engineers
- Reservoir Engineers
- Completions Engineers
- Production Engineers
- Drilling Engineers
- Facility Engineers

## PROJECTS & STUDIES

SCA provides teams of seasoned professionals to conduct projects and studies at your office, in remote locations around the world, or in our Houston-based Team Rooms. Examples project types include:

- Integrated, Multi-Disciplinary Studies (Exploration, Development, Production)
- Basin Studies
- Exploration and Development Prospect Generation and Evaluation
- Acquisition or Divestiture Evaluation
- Asset/Portfolio Evaluation
- Structural and Stratigraphic Interpretation and Mapping
- Post-drilling Evaluation and Assessments
- Structural Analysis
- Resources and Reserves Studies

## QUALITY ASSURANCE

SCA provides teams of expert consultants with global experience in quality assurance to conduct reviews at the corporate strategy, play assessment, prospect portfolio, or major capital project sanctioning level. These reviews can help identify technical flaws or failures of logic (example: prospect appears reasonable but does not fit the geologic context), reduce uncertainty, mitigate risk, enhance decision quality and instill functional excellence. SCA experts can provide:

- Industry recognized expertise in specific disciplines
- Independent perspectives that may identify internal technical or strategic bias
- Experience with global analogs/best practices
- Mentoring to reinforce key skills or supplement teams on a short term or periodic basis
- Training options to upgrade internal skills

## OIL & GAS ADVISORY

SCA offers Oil & Gas Advisory Services to E&P companies as well as non-industry clients considering the acquisition of or investment in producing properties, exploration, or development opportunities. Using available information, we conduct independent, unbiased 3rd party evaluations for financial institutions, private or public equity investors, family offices or ultra-high net worth individuals, asset managers, intermediaries and advisors including:

- Confirm technical validity of the opportunity
- Assess risk factors and identify risk abatement strategies
- Identify reserves/resources potential and probabilistic distributions
- Determine asset value range and upside potential



# TERMS AND CONDITIONS

Due to limited seats in each course, it is recommended that participants register at least one month in advance. However, we will accept paid registrations up to the last business day before the class, provided there are seats available. Registrants will receive a confirmation email within 48 hours of registration and will receive complete venue information at least two weeks prior to the first day of class. The final decision to hold a course is usually made about two weeks prior to the course start date.

**As a reminder, your seat in a course is not confirmed until payment is received.**

**TUITION FEES** are due at the time of registration. An invoice can be provided via email as long as payment is received before the start of class. Tuition fees are payable in US dollars and do not include the cost of accommodation and travel. The fees include the tuition, course materials, and daily refreshments.

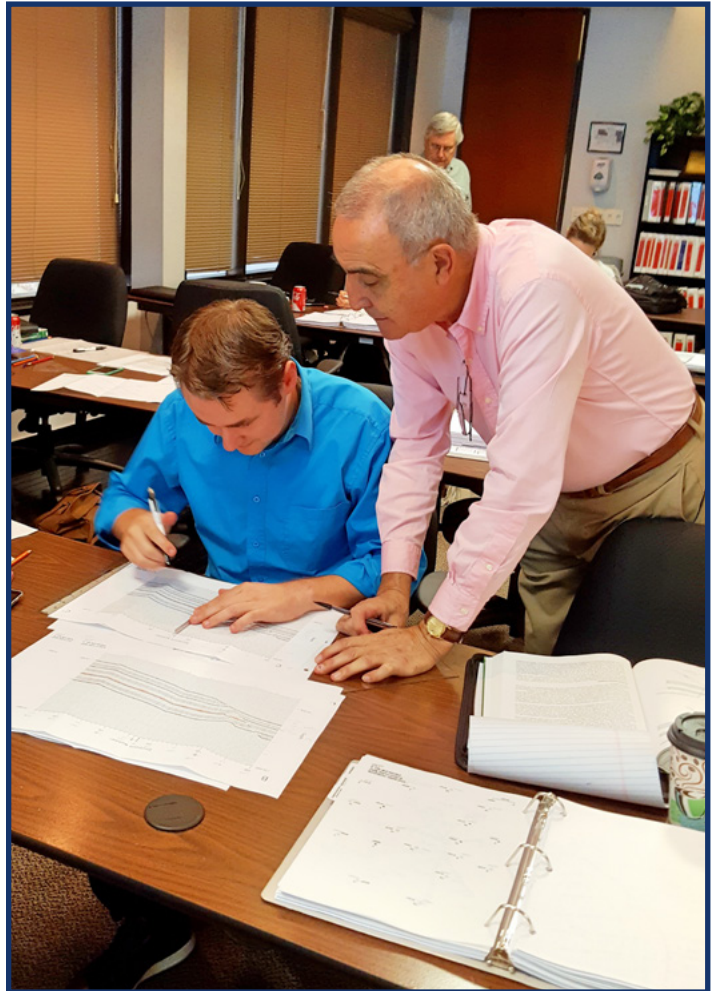
**TRANSFERS and SUBSTITUTIONS** are accepted if received at least seven (7) days before a course begins. In the event that the registrant cannot attend a scheduled course for which he or she is enrolled, registration can be transferred to another course or another person can be substituted. Substitutions may be made without penalty. In addition, SCA reserves the right to substitute course instructors as necessary.

**CANCELLATIONS and REFUNDS:** If it is necessary to cancel an enrollment, the tuition will be reimbursed in full provided notification of the cancellation is received at least 10 days prior to the first day of class. For cancellations received less than 10 days in advance, a 150.00 nonrefundable portion of the tuition will be retained by SCA.

SCA reserves the right to cancel any course session at any time. The final decision to hold a course is usually made about two weeks prior to the course start date. If

we cancel a course, enrollees will be notified via email and given the opportunity to transfer to another course or receive a refund. **NOTE:** Should there be a difference in the tuition, the difference will be paid/refunded on or before the start of the class. SCA is not responsible for any penalties charged for canceling or changing your travel arrangements. Please keep our cancellation policy in mind when planning your travel.

**VISIT OFTEN:** Due to the addition of new training courses throughout the year, please visit our website frequently for the latest calendar of courses. SCA strives to offer the best curriculum and schedule possible.



**Pictured Above:** SCA's instructor Sia Agah assisting a student during an offering of Applied Subsurface Geological Mapping.

## Serving the Upstream Oil & Gas Industry Since 1988

**Register online at [www.scacompanies.com](http://www.scacompanies.com)**

Headquarters/Training Center: 10700 Richmond Ave., Ste. 325 • Houston, TX 77042





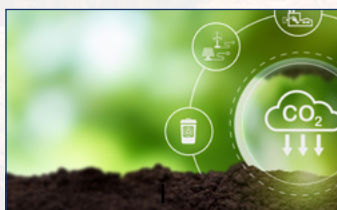
### ***Primary Services***

Subsurface Consultants & Associates, LLC provides training, consulting, and direct-hire recruitment services to professionals in the upstream oil and gas industry. Our catalog contains courses spanning Geoscience, Engineering, Unconventional Reservoirs, Energy Transition, Formation Evaluation, Multi-Disciplinary & Introductory, and Field Courses.



### ***Business Advisory Services***

Addresses asset value optimization, organizational efficiency, non-operator influence, strategy, and transformation. These advisory services can impact company performance and bottom-line delivery, combine extensive hands-on experience and direct access to high-quality technical experts, and are led by high-profile oil and gas executives and managers.



### ***Carbon Capture Utilization and Storage (CCUS)***

Provision of geoscience and engineering experts to handle all technical aspects of the CCUS storage project workflow including site selection, injectivity, seal integrity, capacity, and modeling. We can also provide expertise to audit and certify ongoing CO<sub>2</sub> sequestration projects. SCA offers four training courses that emphasize CCUS.



### ***Subsurface Alliance***

A network of subsurface specialists that uses a Team-of-Teams approach to efficiently solve problems that have a direct business impact in today's fast-paced and evolving energy industry. SA offers comprehensive subsurface services to help mitigate risks at every stage of a project. Through use of advanced geoscience and engineering tools, they deliver world-class models and superior consulting and training services.



### ***Competency Development***

IHRDC is a Boston-based company that accelerates workforce development through customized solutions to fit client needs. Through our Joint Marketing and Sales Agreement, SCA and IHRDC offer the oil and gas industry a broad spectrum of high-quality training content and effective blended learning delivery options.

For more information about our training solutions and delivery options, contact SCA's Training Department at [training@scacompanies.com](mailto:training@scacompanies.com) or (713)789-2444.

**Register online at [www.scacompanies.com](http://www.scacompanies.com)**

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