



# OFFICIAL ABSTRACT KIT

**Abstract Submission Deadline EXTENSION:  
25 March 2024 at 5 p.m. U.S. Central Time**

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# OVERVIEW

## Please Note:

- **The intention is to operate IMAGE '24 in person only in Houston this August. By submitting, the speaker is confirming their ability to present their work in person if accepted.**
- The Technical Program Committee seeks submission of new ideas and applications. Submitting material that previously has been presented or material submitted to but not yet accepted by another meeting may result in rejection. Please review sections on ethical guidelines and novelty on page five for further information.
- To further enhance the Technical Program, IMAGE may live stream and/or record and rebroadcast sessions. In order to do so, we must have license agreements for both your presentation files and for recording and broadcast of your presentation. Please select the rights you extend to IMAGE from among the options available.
- Official notification letters will be sent only via e-mail and will be sent only to the individual listed as the speaker of the abstract. If the speaker is different than the submitter and/or first author, it will be the speaker's responsibility to notify the submitter and/or first author. **Please add no-reply@seg.org and jcole@seg.org to the speaker's address book to ensure the letter is received.**
- We are conducting a single submission where authors have a choice of submitting a short or expanded abstract.
  - SHORT ABSTRACT (1-page structured)
    - Included content will be at the discretion of the authors; word/character and figure counts will not be prescribed, but authors must adhere to the template and page limit.
    - Content may be reused in other publications because authors retain copyright.
    - Short abstracts will be compiled in PDF form and made available to registered and prospective IMAGE attendees (members and general public) before, during, and up to 60 days after the meeting via the IMAGE website and app.
  - EXPANDED ABSTRACT (2-4 pages structured)
    - Included content will be at the discretion of the authors; word/character and figure counts will not be prescribed, but authors must adhere to the template and page limit.
    - Must consider self-plagiarism issues when aiming to reuse content for further publication.
    - Expanded abstracts will be compiled in PDF form and made available to registered and prospective IMAGE attendees (members and general public) before, during, and up to 60 days after the meeting via the IMAGE website and app.
    - Expanded abstracts also will be assigned DOI numbers and published via the SEG Digital Library, Datapages, OnePetro, etc. for access via subscription or pay-per-view.
  - In both instances, a reference list should not be included at the end of the abstract and should be prepared separately. Please copy and paste your references into the appropriate submission field. If using LaTeX, please use a plain-text version of your references. (IMAGE will append the references to the submission if the expanded abstract is accepted.)
  - The only file type that IMAGE will accept is PDF (.pdf). Further instructions regarding this requirement can be found in the "Instructions to Submit Online" section of this document.
  - Sample abstracts are available online for your reference.

This Abstract Kit contains the following items:

1. Criteria for Abstract Acceptance
2. Presentation Styles
3. Instructions for Typing Abstracts
4. Instructions to Submit Online
5. Primary Emphasis Topic and Sub-Topic List
6. No-Show Policy
7. Copyright Transfer and License Agreements

## Abstract Submissions

To submit your abstracts for the IMAGE 2024 International Meeting for Applied Geoscience & Energy, you must submit online using IMAGE's program for submissions at <https://image2024.abstractcentral.com/>. The online program will open for submissions on **15 January 2024**. We recommend that you **do not wait until the last week** to submit an abstract. Using the IMAGE online submission program, authors will be able to open their browser windows, fill out the forms, and submit their abstracts for review. Abstract submissions must be complete before 5 p.m. U.S. Central Daylight Time on 25 March 2024.

### Questions?

Contact the Education and Meeting Manager by e-mailing [jcole@seg.org](mailto:jcole@seg.org).

## CRITERIA FOR ABSTRACT ACCEPTANCE

**Abstracts submitted that are not properly formatted following the specifications laid out in the Official Abstract Kit will be rejected.** The acceptance of your abstract by the 2024 Technical Program Committee is based on the quality of your submitted abstract and whether the abstract fits the subject coverage of the Technical Program, as well as space available in the Technical Program schedule. All abstracts must be complete and contain full references (prepared separately as per the instructions). Each abstract will have a minimum of three reviewers. Designated Short Abstract reviewers will review only Short Abstracts, while Expanded Abstract Reviewers will review only Expanded Abstracts.

The Technical Program Committee will be responsible for selecting and organizing the abstracts into cohesive sessions that fit within the Technical Program schedule.

### Posting/Publication Rights

AAPG and SEG secure permission during the submission process to post short abstracts and expanded abstracts and also copyright to publish expanded abstracts. Copyright transfer of expanded abstracts takes effect at the time of manuscript acceptance. The permission statement and copyright transfer include a warrant by authors that they have secured permissions to use all included material owned by third parties. **If you have not secured permission to use all material in your abstract at the time of submission, please do not submit.** Papers cannot be withdrawn after online publication. It is recognized that works are not eligible for copyright transfer if **authors** are U.S. government employees reporting on work performed in the course of their employment. Government employees agree to all terms other than copyright transfer stated in the rights-transfer forms. **Acceptance of your abstract does not guarantee publication.** Expanded abstracts will be published following IMAGE and will be checked for commercialism and similarity to previously published work. Expanded abstracts will be published in the SEG Library and SPE's OnePetro. They may also be published in AAPG's Datapages. In addition, the IMAGE Technical Program Expanded Abstracts are indexed by *Ei Compendex*, *Petroleum Abstracts*, and *Scopus*.

During the submission process, authors are invited to extend to IMAGE a license to their presentation files—primarily slide sets and videos—so that they may be published online alongside their expanded abstracts after the meeting has occurred. Authors also are encouraged to extend to IMAGE permission to live stream and/or record presentations and publish the recordings with presentation materials on removable media and/or online.

Transfer of copyright for IMAGE Technical Program expanded abstracts does not prevent the author(s) from presenting their material elsewhere after their presentation at the 2024 IMAGE, but full citation and proper acknowledgment of SEG/AAPG copyright is required. Authors of short abstracts retain copyright and may reuse their abstract after presentation with acknowledgment that the short abstract was presented at IMAGE.

### Open Access

SEG's open-access policy allows an author to pay a \$1,000 author-publication charge to make his or her Expanded Abstract available without access controls in the SEG Library. To opt for open-access publication in the SEG Library, please click through the copyright-transfer agreement and send an e-mail to [jcole@seg.org](mailto:jcole@seg.org) stating your desire to pay for open access. Instead of paying the normal \$3,500 open-access fee for papers published in *Geophysics*, *Interpretation*, or *The Leading Edge*, authors who paid \$1,000 to publish their expanded abstract as open access may pay an additional \$2,500 to have the expansion of that work published with an open license if accepted for

### **Recording Policy**

IMAGE may live stream and/or record your audio and presentation slides at IMAGE for delivery via the Internet and/or SEG and AAPG on Demand. Only presentations for which the author has granted permission will be broadcast and/or recorded. Presentations to be recorded for SEG and AAPG on Demand are selected from the list of accepted abstracts. **Granting permission to record your presentation does not guarantee that your presentation will be selected for recording.**

### **Technical Content**

A good abstract presents technically correct ideas with a fresh and enlightening perspective. The discussion is pertinent and well-focused on the topic and is the appropriate length. Definitive conclusions are made and supported by data with appropriate figures and convincing arguments. If the abstract is part of an ongoing study, the work should represent a significant milestone with specific conclusions supported by data presented in figures.

### **Coherency, Style, and Grammar**

Abstracts must be written in English. A well-written abstract is readily understandable, even if it has been translated. IMAGE partners with *Editage* to provide IMAGE authors with a discount on presubmission manuscript-preparation services including English editing and formatting. Visit <https://editage.seg.org> to receive a quote. Submitted work should be prepared according to the Instructions to Authors (<https://library.seg.org/GEO-instructions>). IMAGE will publish the abstract exactly as it is received. Please proofread your abstract carefully because neither the Technical Program Committee nor the SEG or AAPG Business Office staff will make any typographical or grammatical changes. Grammatical and typographical errors reflect on the entire technical program and may be cause for rejection. **You will not be given the opportunity to resubmit a new version of your abstract after it has been submitted. NO EXCEPTIONS!**

### **Format**

Authors must follow format guidelines (see Instructions for Typing Abstracts) and submit short or expanded abstracts with the appropriate provided template forms. The abstract submission reflects the requirement of both AAPG and SEG societies. The abstract must be of sufficient length to cover the topic and allow reviewers to judge its quality but **must not exceed the designated maximum page count or 10 MB file size**: Short Abstracts must be a maximum of 1 page, while expanded abstract should be between 2-4 pages. **REMEMBER: A reference list should NOT be included at the end of the expanded abstract and should be prepared separately.**

### **Commercialism**

Commercial reference may occur only once and then only to identify that certain products or services were used to incorporate the method being presented. The abstract shall contain no other reference to proprietary products, company names, or trademarks. Repeated references to products are cause for rejection.

### **Ethical Guidelines for SEG Publications**

Authors are expected to follow Ethical Guidelines for SEG Publications and agree to be bound by its provisions, including penalties for violations. Please see <https://library.seg.org/page/policies/ethics>. SEG is a participating publisher in the *Crossref Similarity Check* anti-plagiarism system powered by *iThenticate* software. *iThenticate* identifies material that matches text from documents found in its extensive database. Identified text might include text that has been properly quoted and cited. Nonetheless, Expanded Abstracts receiving a similarity score of 30% or higher overall or more than 5% to any single source will be subject to further evaluation to determine if identified sections have been properly quoted, summarized, or paraphrased with proper attribution and may be rejected if proper attribution is absent. Authors must not use their own previously published work without appropriate citations and, if exceeding the limits of fair use, permission from the original publisher.

### **Novelty**

At the time of abstract submission, authors will be asked whether the submitted paper has been submitted to or presented previously at another conference or whether the paper has been submitted or presented previously with only small changes. While previous presentation is not necessarily a cause for rejection, the Technical Program Committee seeks submission of new ideas and applications. Permissions must be secured, and attribution provided for any material previously presented or published.

### **Publication of Further Expansion of IMAGE Expanded Abstract**

IMAGE authors assign copyright to SEG and AAPG, but they retain broad rights to continue to use their content. If IMAGE presenters determine that they wish to turn their IMAGE material into a full paper, SEG and AAPG would like to be considered first as publishers of that paper prior to any other publishers. Journals published by SEG and AAPG are always seeking quality papers to review for publication and believe that authors selected to present at IMAGE would be well placed to provide excellent material. Presenters who want to write full papers based on their IMAGE presentations can contact SEG at [publications@seg.org](mailto:publications@seg.org) or AAPG at [bulletin@aapg.org](mailto:bulletin@aapg.org) for answers to any questions or further information.

### **Best Abstract Presentation**

Please note that the quality of the abstract will be used as one of the criteria for selecting Best Paper presentation awards for those abstracts submitted to Technical Program topic areas. Please see evaluation questions in the next section as applicable to the abstract submission stage. Evaluation questions that pertain to the abstract presentation at the conference also will be provided in the Speaker Kit to all accepted speakers.

### **Potential Automatic Rejection**

- Abstracts not properly formatted following the specifications laid in this Official Abstract Kit will be rejected, see "Typographical Instructions".
- References *should not* be included within the expanded abstract. References should be provided separately.
- Abstracts receiving a similarity score of 30% or higher overall or more than 5% to any single source will be subject to further evaluation to determine if identified sections have been properly quoted, summarized, or paraphrased with proper attribution and may be rejected if proper attribution is absent. See "Ethical Guidelines for SEG Publications" within this kit for more information.

### **Evaluation and Ranking of Abstracts**

Evaluation and ranking of abstracts are based on relevance and timeliness of subject matter; usefulness of contribution to the advancement of knowledge, techniques, or practice; and overall clarity, organization, and presentation of ideas.

### **Making PDF Files using LaTeX**

LaTeX templates for IMAGE Abstracts are available in the SEGTeX package. To download SEGTeX please visit <http://ahay.org/wiki/SEGTeX> or <https://www.overleaf.com/latex/templates/template-for-seg-abstract/btpnkzrniwny>

### **Making PDF Files using Word**

LaTeX templates for IMAGE Abstracts are available in the SEGTeX package. To download SEGTeX please visit <http://ahay.org/wiki/SEGTeX>.

### **Short Abstract Template and Expanded Abstract Template**

Templates are provided for reference, please visit <https://public.3.basecamp.com/p/8qp1QnHaa91gj3yxBEkYzk7f/vault>

## **PRESENTATION STYLES**

You are required to select your preferred presentation style during submission. Please review the styles available and select the one you think will best represent your abstract.

### **Poster Presentation**

Poster presentations are best suited for abstracts that contain detailed mathematics, large-scale plots, or frequent correlation of several displays. They also are most appropriate for abstracts that are targeted to a focused audience or present difficult concepts that may require more than 25 minutes to develop. Poster presentations offer a unique opportunity for one-on-one communication and interaction between the presenter and the audience.

Authors of papers accepted as poster presentations will be asked to prepare their materials to display during the course of the meeting. If you are unable to present, contact the Education and Meeting Manager. Each poster

presenter is given **three** panels. (1) single board that is 8 feet wide by 4 feet high or 2.4 meters wide by 1.2 meters high. You will have use of the entire board area and must include the abstract title and author(s) in your presentation. (2) half boards that are 4 feet high by 4 feet wide or 1.2 meters wide by 1.2 meters high. Title cards will not be on the frame. Each presenter is assigned one presentation and discussion time for judging along with a time window to be at the poster for interaction with attendees. Upon acceptance, this information will be sent to you via e-mail in your official notification letter. Poster presenters are expected to be present at their poster stations during assigned presentation times.

### Oral Presentations

Oral presentations are best suited for abstracts in which a specific and significant milestone is conveyed and in which the work and results can be demonstrated with clear data examples within the time allotted for talk. Oral presentations allow knowledge transfer to large audiences. Oral presentations will be 20 minutes (15-minute minimum) for most sessions, unless specified otherwise.

Each of the oral-session rooms will be equipped with an LCD projector and computer equipment, one screen (Note: single-screen presentations only), a pointer, and microphones. Information regarding what is compatible with the equipment in the session rooms will be available in the Speaker Kit. A link to access the Speaker Kit will be e-mailed to the speaker for each accepted abstract. All PC-based presentations will utilize the IMAGE-provided computer and projector with no exceptions. A standard template for oral presentations has been set and is strongly recommended to be used when creating your presentation files.

### Presentation Type Preference

Papers will be assigned to poster or oral sessions after the review process. You have the opportunity to designate your preferred presentation type when submitting your abstract. A no-preference option will be available. (Please note: Your preference is not always accommodated.)

### Presentation Time

Presentations should not exceed 20 minutes with a required minimum of 15 minutes. (Subject to change.)

## INSTRUCTIONS FOR TYPING ABSTRACTS

As in past years, accepted abstracts will be published online exactly as they are submitted. Society staff will not edit or retype the copy. **Significant violations of the format requirements will be immediate cause for rejection of an abstract.**

A sample expanded abstract and Microsoft Word templates are available online for your reference. **You will NOT be given the opportunity to resubmit a new version of your abstract. NO EXCEPTIONS!**

### Typographical Instructions

- ◆ All abstracts must be written in English and formatted to fit an 8.5" wide x 11" high page (U.S. letter-size paper).
- ◆ A reference list should NOT be included at the end of the expanded abstract but should be prepared separately and ready to enter during submission in the online form. References should be formatted according to SEG standards available online at <https://seg.org/Publications/Journals/-Geophysics/Information-for-Authors/Instructions-to-authors>. Please copy and paste your references into the appropriate submission field. If using LaTeX, please use a plain-text version of your references. Please include digital object identifiers (DOIs) for each reference if they are available.
- ◆ **The abstract submission reflects the requirement of both AAPG and SEG societies.** Short abstracts are **limited to one page** and Expanded Abstracts **limited to between two to four pages** and must be single-spaced. Note: You are able to submit four full pages without the reference list at the end of the expanded abstract. SEG will proof and compose the references that are provided in the online submission form and attach that page to your expanded abstract if it is accepted and published.
- ◆ **Preferred font is 9-point, normal weight, Times New Roman or similar style.**
- ◆ **Preferred format is 2 columns.**
- ◆ Fonts used in equations must be fully licensed and embeddable fonts. Be certain that type within figures is of a size that facilitates easy reading.



- ◆ Margins must be set as follows:

	Page 1	Pages 2, 3, and 4
Top	1.5 inch (39 mm)	1.0 inch (26 mm)
Bottom	1.5 inch (39 mm)	1.5 inch (39 mm)
Left	1.0 inch (26 mm)	1.0 inch (26 mm)
Right	1.0 inch (26 mm)	1.0 inch (26 mm)

- ◆ Text must be justified on both the right and left sides. Authors may use one, two, or three columns of type per page and can change the number of columns within an abstract to accommodate illustrations. Your illustrations can be in color or black and white.
- ◆ The first page begins with the title of the abstract set in 11-point bold type, aligned on the left margin. **Use lowercase for all words in the title except for the first word and proper nouns.** The title should not exceed 235 characters.
- ◆ On the line immediately after the title of the abstract, enter the author name and affiliation line, which is the name and affiliation of each author in 10-point italic type, also aligned on the left margin. **Do not include cities and countries.** Place an asterisk (\*) next to the name of the person presenting the abstract (e.g., Joe Smith\* and Jill Brown, Baxter Research). Remember: The affiliation for each author should be listed as the company/institution that employed the author at the time the research was conducted.
- ◆ Enter two lines of space (two returns) between the last line of the author name and affiliation line and the first line of your abstract. Category headings (e.g., **Summary**) should be in 9-point bold type, left alignment only. Separate the category headings from the rest of the text with one line of space (one return) before and one line of space after the heading.
- ◆ Empty lines throughout the abstract should be 9-point.
- ◆ Paragraphs should not be indented; instead, separate paragraphs with one line of space (one return).
- ◆ For Expanded Abstracts, pages 2, 3, and 4 must contain a shortened version (not to exceed 40 characters) of the abstract title at the top of each page in 10-point bold type, aligned in the center of the abstract. There should be one line of space (one return) between the shortened title and the text of the abstract.
- ◆ Organization of the abstract's content should closely follow this scheme.
  - ◆ **Short Abstract:**
    1. Abstract
    2. Acknowledgements (optional)
  - ◆ **Expanded Abstract:**

1. Summary	4. Examples (optional)
2. Introduction (optional)	5. Conclusions
3. Theory and/or Method	6. Acknowledgments (optional)

## INSTRUCTIONS TO SUBMIT ONLINE

Deadline: All abstracts must be submitted for consideration via the online abstract submission system **before 5 p.m.** U.S. Central Daylight Time, 15 March 2024. **Late submissions will not be accepted.**

1. Prepare your computer. Your Internet browser must be one of the following:
  - ◆ Google Chrome
  - ◆ Microsoft Edge
  - ◆ Firefox
2. Before you begin the online submission process, gather all necessary information.
  - ◆ **Primary emphasis topic**—Select one sub-topic from the list provided in this kit. These sub-topics are listed as guidance.
  - ◆ **Intended Audience Selection**—Please select the category from the provided list that best describes your target audience relative to their assumed knowledge of the abstract's general topic area.
  - ◆ **Keyword**—For indexing reasons, and attendee keyword search, select five keywords from a preapproved list. (List is included in this kit.)
  - ◆ **Presentation Style**—Poster, Oral, or No Preference



- ◆ **About Presentation**—Previously submitted to or presented at another conference, etc.?
- ◆ **Primary author information**—Include e-mail address, company name, full mailing address, phone number, SEG or AAPG member number (if applicable). A valid e-mail address is required.
- ◆ **Primary contact information**—Include e-mail address, company name, full mailing address, phone number, SEG or AAPG member number (if applicable). The primary contact MUST be available by e-mail. The primary contact and the primary author may be the same person.
  - If the primary contact does not have a valid e-mail address, please obtain one. Free e-mail addresses are available from a variety of sources.
- ◆ **Speaker information**—Include e-mail address, company name, full mailing address, phone number, SEG or AAPG member number (if applicable). A valid e-mail address is required. This is the person who will receive communication regarding this abstract.
- ◆ **Secondary authors**—Include all authors of your paper. You will search our database for your authors. If they are not found, you will be responsible for entering their contact information. You will need their e-mail address, company name, full mailing address, phone number, SEG or AAPG member number (if applicable). All authors must be included. We will not accept late additions of authors after the call has closed.
- ◆ **Introduction**—Please copy and paste your expanded abstract introduction into the appropriate field.
- ◆ **References**—Remember that the reference list should not be included at the end of the expanded abstract and should be prepared separately and ready to enter in the online form. **Please copy and paste your references into the appropriate submission field. If using LaTeX, please use a plain-text version of your references.**
- ◆ **Abstract Author Byline**—The affiliation of each author should be listed as place of employment or university attended when the research was completed. (An asterisk \* is placed after the speaker's last name.) **Example:**
  - Harpreet Kaur\*, Sergey Fomel, and Nam Pham, The University of Texas at Austin
- ◆ **Address**—This will be used only if we need to contact you via postal mail regarding your presentation. Please complete this section as you would if you were addressing an envelope to yourself. **Please note that status notification letters will be sent only via e-mail.**
- ◆ **Abstract**—The only file type that IMAGE will accept is PDF (.pdf). No security restrictions or links may be included in the files. Abstracts that are not in the prescribed format, with correct file name extensions, will not be accepted for review. Fonts must be embedded in your abstract. There is a 10 MB size limit on each uploaded abstract. Please have your abstract ready before you begin the online submission process.

3. When you are ready to submit online:

- ◆ Using your Web browser, go to <https://image2024.abstractcentral.com/> for the online submission form.
- ◆ If you cannot view Adobe Portable Document Format (.pdf), you will need to download Adobe Reader version to view your abstract online. You can get Adobe Reader free by going to <https://get.adobe.com/reader/> and following the download instructions for your computer.
- ◆ If you encounter problems, please contact Jenny Cole at [jcole@seg.org](mailto:jcole@seg.org) for assistance.

## PRIMARY EMPHASIS TOPIC AND SUB-TOPIC LIST

As instructed on the previous page, please select one primary and then one sub-topic to enter into the online submission form. These sub-topics are listed as guidance. This is required information. (Note: Not all topics have sub-topics.) Below is a high-level overview of the emphasis topic.

- Exploration and Development
  - Aspects of regional exploration and development
  - Geographically oriented presentations including applied technologies and integrated studies
- Geological Technologies
  - Research and applied geological tool presentations
- Geophysical Technologies
  - Research and applied geophysical tool presentations
- Integrated (Geology and Geophysics)
  - Studies that include both geological and geophysical data and approaches
- Special Sessions
  - Invited special topic presentations

## EXPLORATION AND DEVELOPMENT

### NA: UNITED STATES AND CANADA

- Canada/Alaska/West Coast
- Appalachian and East Central USA
- Gulf Coast
- Gulf of Mexico
- Mid-Continent
- Permian Basins
- Rockies

### CSA: LATIN AMERICA AND THE CARIBBEAN

- Caribbean Offshore
- Caribbean Onshore
- Equatorial Margins
- Offshore Mexican Basins
- Onshore Mexican Basins
- Pacific Basins
- South America Onshore
- South Atlantic Offshore

### AFR: AFRICA

- Central-East Africa
- East Africa
- Equatorial Africa
- North Africa
- North Africa / Mediterranean
- Offshore Basins
- Onshore Basins
- Sub-Saharan
- West Africa

### ECR: EUROPE | CASPIAN REGION

- Artic / Norwegian Sea
- Black Sea
- North Sea
- Offshore Basins
- Onshore Basins
- West / East Europe

### APAC: ASIA PACIFIC

- Andaman Sea
- Arafura
- Australian Bight
- Bay of Bengal
- Java Sea
- New Zealand
- Northwestern Shelf
- Offshore Basins
- Onshore Basins
- South China Sea
- Timor

#### **EMME: EASTERN MEDITERRANEAN/MIDDLE EAST**

- Arabian Peninsula
- Arabian Sea
- Caspian
- Gulf of Oman
- India
- Iran
- Iraq
- Offshore Basins
- Onshore Basins
- Pakistan
- Persian Gulf
- Red Sea
- Western Asia

## **GEOLOGICAL TECHNOLOGIES**

#### **BM: BASIN MODELING**

#### **CAEV: CARBONATES AND EVAPORITES**

#### **GEOPS: GEOCHEMISTRY AND PETROLEUM SYSTEMS**

#### **PB: PALEONTOLOGY-BIOSTRATIGRAPHY**

#### **SILIC: SILICICLASTICS**

#### **STG: STRUCTURE, TECTONICS, GEOMECHANICS**

## **GEPHYSICAL TECHNOLOGIES**

#### **AAS: ANISOTROPY, AVO, AND SEISMIC INVERSION**

- Anisotropy
- AVO
- Machine Learning
- Other Relevant Topics
- Seismic Inversion
- Workflows

#### **ACQ: ACQUISITION**

- Case Study
- Compressive Sensing and Signal Processing
- Hardware
- Land

- Machine Learning
- Marine
- Seismic Acquisition Modeling

#### **BH: BOREHOLE**

- Borehole Geomechanics
- Borehole Geophysics
- EM methods
- Machine Learning and Other Relevant Topics
- Petrophysics
- Structural Imaging and Geosteering
- VSP, Crosswell

#### **DAS: DISTRIBUTED ACOUSTIC SENSING**

- Acquisition and Calibration
- Case Study
- Low-frequency DAS
- Machine Learning
- Numerical Modeling
- Other Relevant Topics
- Processing Methods
- Reservoir Characterization and Monitoring

#### **EM: ELECTROMAGNETICS**

- Case Study
- EM for Exploration
- EM for Reservoir Surveillance
- Forward Modeling
- Instrument, Measurement, and Survey
- Inversion
- Machine Learning

#### **FWI: FULL-WAVEFORM INVERSION**

- Case Study
- Cycle-skipping
- Elastic and Multiparameter
- FWI Imaging
- High-frequency FWI
- Land FWI
- Machine Learning
- Marine Streamer, OBN
- Novel Approaches and Workflows
- Reflection FWI
- Theory, Methodology, and Algorithms

#### **GM: GRAVITY AND MAGNETICS**

- Case Study
- Instrument, Measurement, and Survey
- Interpretation
- Inversion and Data Processing
- Machine Learning and Other Relevant Topics
- New Approaches

#### **IPS: INDUCED AND PASSIVE SEISMIC**

- Array Analyses, Sources, and Back Propagation
- Induced Seismicity: Research and Applications to Reservoir Development
- Microseismicity, Distributed Acoustic Sensing, and Ambient Noise Analyses
- Observations, Analysis, and Processes
- Other Relevant Topics

- Source Mechanisms, Processing, and Noise Analyses

#### **NS: NEAR SURFACE**

- Advanced Processing and Machine Learning
- Agricultural Applications
- Climate, Coastal, and Cryosphere
- Groundwater and Environmental Issues
- Imaging and Inversion
- Interferometry
- Monitoring and Remediation
- Other Relevant Topics
- Seismic for Near Surface
- Urban, Geotechnical, and Archeological Applications

#### **RP: ROCK PHYSICS**

- Applications
- Elasticity and Mechanical Properties
- Inversion and Integrated Studies
- Machine Learning
- Measurements
- Other Relevant Topics
- Recent Developments
- Resolution, Attributes, and Uncertainty

#### **SMT: SEISMIC MODELING AND THEORY**

- New Approaches and Other Relevant Topics
- Seismic Modeling — Boundary Conditions, Topography
- Seismic Modeling — Numerical Methods, efficiency, accuracy, stability
- Seismic Modeling — Q, Anisotropy, and Other Complex Media
- Seismic Modeling — Time Domain, Frequency Domain, Source Types, Survey Types, etc.
- Seismic Theory — Imaging and Inversion
- Seismic Theory — Wave Propagation and Wave Phenomena

#### **SP: SEISMIC PROCESSING**

- Case Study
- Diffraction Imaging
- Elastic Imaging, Least-squares Migration, Q-migration
- Emerging Technologies
- Kirchhoff Migration and RTM
- Machine Learning
- Other Relevant Topics
- Signal Processing — Denoise, Demultiple, Deghost, Regularization and Interpolation, Deblending, Statics, Post-processing, etc.
- Velocity Model Building, Q-tomography

#### **TL: TIME LAPSE**

- Acquisition and Processing
- Case Studies
- Improvements in Time Lapse Analysis
- Inversion and Quantitative Interpretation
- Machine Learning
- Other Relevant Topics

## **INTEGRATED (GEOLOGY AND GEOPHYSICS)**

#### **CO2: LOW CARBON SOLUTIONS/CCS**

**DMLA: DIGITALIZATION, MACHINE LEARNING, AND ANALYTICS: ENERGY APPLICATIONS**

**INT: GEOLOGIC AND GEOPHYSICAL INTERPRETATION**

**INTD: DEEP INTEGRATION OF DATA AND DISCIPLINES**

**MME: MINING AND MINERAL EXPLORATION**

**NEF: NEW ENERGY FRONTIERS, CRITICAL MINERALS, AND GEOTHERMAL**

**PLAN: PLANETARY GEOSCIENCE**

**RC: INTEGRATED RESERVOIR CHARACTERIZATION**

**STUD: AAPG, SEG, AND SEPM STUDENT RESEARCH**

**SUS: SUSTAINABILITY ENERGY DEVELOPMENT AND ENVIRONMENTAL GEOSCIENCE**

## SPECIAL SESSIONS

**Please note: The following are Special Sessions that are invited speakers only.**

### SS: SPECIAL SESSIONS

- Applications of Drone Geophysics in Scientific Research
- Critical Zone Geophysics
- Discovery Thinking
- Geologic Hydrogen Exploration
- Geophysical Methods in the Quantification of Oil and Gas Reserves and Resources
- Geophysics for Urban Spaces and Infrastructure
- Highlights of SEG Distinguished and Honorary Lectures
- History of Petroleum Geosciences
- Near-Surface Geophysics Applied to Geothermal Exploration and Site Characterization
- Near Surface Monitoring
- Recent Advances and the Road Ahead: Hot Topics in Geoscience
- Recommended Practices in Exploration Assurance
- SEG-AGU Hydrogeophysics: From Data to Solutions: Hydrogeophysics in Coastal Environments
- SEPM Research Symposium

## KEYWORD LIST

The following list contains keywords for indexing your abstract by subject. This will also allow attendees to search via these keywords so they can more effectively plan their meeting schedule. Please choose up to give of the keywords listed during the submission.

2D	airborne survey	archaeology	bandwidth extension
3C	algorithm	arrays	basin (development)
3D	aliasing	artificial intelligence	basin (geochemistry)
4C	amplitude	Asia	basin (modeling)
4D	anisotropy	astrogeology	basin (super)
5D reconstruction	analysis (fractures)	attenuation	beam
acceleration sensors	analysis (gas)	attributes	bed thickness
acoustic	analysis (oil)	Australia	belts (fold)
acquisition	analysis (structure)	autofocusing	belts (thrust)
active learning	Antarctica	AVO/AVA	blind deconvolution
adaptive subtraction	apparent resistivity	azimuth	borehole
Africa	aquifer	basement	borehole acoustics
air gun	Archean	bandwidth	borehole geophysics

borehole measurements	dispersion	geophones	low frequency
boundary analysis	displacement	geophysics	machine learning
boundary conditions	distributed systems	(hydrocarbon indicators)	magnetic resonance
broadband	divergence	geophysics (gravity)	measurements
bulk modulus	diving wave	geophysics (magnetic)	magnetic susceptibility
Cambrian	DMO	geophysics (seismic)	magnetic tensor
Canada	downhole receivers	geostatistics	magnetics
carbon (capture)	downhole sources	geothermal	magnetization
carbon (storage)	downward continuation	generative AI	magnetometer
carbonate	earthquake	global positioning systems	magnetotelluric
case history	economics	(GPS)	mapping
cased-hole and	edge detection	global search	marine
production logging	effective	gradiometry	mass transport complex
CCS	elastic	gravimeter	matching pursuit
CCUS	electrical/resistivity	gravity	mathematical transform
CSEM	electromagnetics	gravity tensor	maturation
Cenozoic	elimination (SRME)	ground-penetrating radar	maximum entropy
Central America	microseismic	(GPR)	maximum likelihood
chaos	engineering	ground roll	measurement while drilling
chronostratigraphy	engineering (completion)	groundwater	(MWD)
clastic	engineering (drilling)	Gulf of Mexico	media incompressibility
cloud computing	engineering (production)	head waves	Mesozoic
CO2	engineering (reservoir)	heat flow	Mexico
coal	environmental	heterogeneous	Neural networks
coherency	Eocene	high-angle wells	microseismic
common angle	estimation	high-resolution	Middle East
common conversion point	Europe	high-velocity layer	migration
common midpoint (CMP)	evaporites	Holocene	minimum entropy
common offset	exploration (gas)	Horizon	minimum likelihood
common receiver	exploration (offshore)	horizontal wells	mining
common shot	exploration (oil)	HTI	Miocene
completion	exploration (onshore)	Hydrates	Mississippian
compressional	extensional	hydraulic	modeling
compressional wave	extensional systems	hydraulic fracturing	modeling (analysis)
(P-wave)	extrapolation	hydrocarbon (indicators)	modeling (basin)
compressional systems	facies	hydrocarbon production	modeling (oil)
compressive sensing	faults	hydrology	modeling (seeps)
conductivity	fiber-optic sensors	hydrophones	monitoring
conical wave	fields (mature)	illumination	moveout
continuation	field experiments	imaging	mudrocks
converted wave	filtering	impedance	multiazimuth
core-log intergration	finite difference	incompressibility	multicomponent
correlation	finite element	induced polarization (IP)	multilinear algebra
Cretaceous	first break picking	induced seismicity	multiparameter
crosscorrelation	fluid	integration	Multiphysics
crosswell	fluid flow	interferometry	multiscale
crustal structure	fluid flow in porous media	internal multiples	multiples
curie depth	fluvial-deltaic	interpolation	navigation
DAS (distributed acoustic	formation evaluation	interpretation	near surface
sensors)	Fourier	intrusion	Neogene
data reconstruction	fractals	invasion	neural networks
datuming	fracture imaging	inversion	NMO
deblending	fracture stimulation	isostasy	noise
decomposition	fractures	isotropic	nonlinear
deconvolution	fractures (analysis)	Jurassic	North America
deep learning	fractures (hydraulic)	K-L transform	North Sea
deepwater	frequency-domain	Kirchhoff	nuclear
Devonian	frequency-dependent	land	nuclear magnetic
density	full-waveform inversion	large language model	resonance
depositional systems	gas	layered	numerical
depth conversion	gas (analysis)	least squares	ocean-bottom cable
depth migration	gas (exploration)	least-squares migration	(OBC)
development and	gathers	life-of-field seismic (LoFS)	ocean-bottom node
production	geochemistry (basin)	linear	oceanography
diagenesis	geochemistry	lithofacies	oil (exploration)
dielectric measurements	(interpretation)	lithology	
diffraction	geology	log analysis	offset
diffraction imaging	geomatics	logging	Oligocene
dip moveout (DMO)	geomechanics	logging while drilling	one-way
dipmeter		love wave	openhole logging



optimization	rayleigh wave	seismic (stratigraphy)	systems (petroleum)
Ordovician	reciprocity	seismic (survey)	tectonics
overpressure	reconstruction	sensors	tectonics (extensional)
overthrust	reduced-rank filtering	separation	tectonics (fold and thrust belt)
P-wave	reflection	sequence stratigraphy	tectonics (salt)
Paleocene	reflectivity	sequestration	tensor
Paleogene	refraction	shale	tensor algebra
paleomagnetism	reinforcement learning	shale (gas)	tensor completion
Paleozoic	relative geologic time	shale (oil)	thermal conductivity
parallel	remanent magnetization	shale (tectonics)	time-domain
particle-velocity sensors	remote sensing	shallow	time-lapse
passive acquisition	reservoir characterization	shear modulus	time migration
passive filtering	reservoir (deep)	shear wave (S-wave)	time slice
passive imaging	reservoir (deep water)	scholte wave	tomography
passive noise suppression	reservoir (deltaic)	signal processing	total organic carbon
Pennsylvanian	reservoir (engineering)	siliciclastics	transmission
permafrost	reservoir (eolian)	Silurian	trap
permanent reservoir	reservoir (marine)	simultaneous source	traveltime
monitoring (prm)	resistivity	sonic	Triassic
Permian	resistivity log	source rok	TTI
Permeability	resolution	sources	tube wave
petroleum (exploration)	reverse time migration	South America	turbidite
petroleum (generation)	risk	sparse	turning ray
petroleum (reservoir)	rock physics	sparse inversion	two-dimensional
petroleum (source)	salt	spectral analysis	ultrasonic
petroleum (systems)	rock core laboratory	spontaneous potential	unconsolidated
petrophysics	measurements	SRME (surface-related	unconventional
Phanerozoic	rock (source)	multiple elimination)	United States
phase	salt dome	stacking	unsupervised learning
Pleistocene	salt tectonics (sandstone)	standards	vector processing
Pliocene	sampling	statics	velocity analysis
Polarization	sandstone	statistics	velocity model building
pore	saturation	stratal slice	vertical seismic profile
pore pressure	scattering	steep dip	(VSP)
porosity	seafloor	Stoneley wave	vibroseis
poststack	seal	stratigraphy	viscoelastic
Precambrian	sediment	stratigraphy (sequence)	visualization
predictive analytics	sedimentology	structure (analysis)	volcanics
pressure sensors	seismic (2D)	structure (geology)	VTI
prestack	seismic (3D)	structure (restoration)	walkaway check-shots
processing	seismic (4D)	subbasalt	water
Proterozoic	seismic (amplitude)	subsalt	water table
production	seismic (analysis)	super basin	wave equation
profiling	seismic (attributes)	supervised learning	wave propagation
programming	seismic (data)	surface consistent	wavelet
properties	seismic (facies)	surface nuclear magnetic	well logs
Q	seismic (geomorphology)	resonance	wells
radial transform	seismic (imaging)	surface wave	well geosteering
radiation	seismic (impedance)	survey design	well-log interpretation
radiometrics	seismic (interpretation)	systems (compressional)	wireline logging
Radon transform	seismic (inversion)	systems (extensional)	workstation
random	seismic (line)	systems (gas)	wide azimuth (WAZ)
ray tracing	seismic (migration)	systems (oil)	

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