

OFFICIAL ABSTRACT KIT  
2021 Energy in Data Conference  
*powered by AAPG, SEG, and SPE*  
Austin, Texas USA  
21–24 February 2021

**Please Note:**

- The Technical Session Subcommittee 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 three for further information.
- An expanded 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 expanded abstract is part of an ongoing study, the work should represent a significant milestone with specific conclusions supported by data presented in figures. An expanded abstract should be at least two pages if no figures are used and must not exceed four pages (including graphics) or 10 MB file size. An expanded abstract should have no more than 2,000 words and be accompanied by no more than six figures.
- To further enhance the Technical Program, Energy in Data (EiD) may live stream and/or record and rebroadcast select oral 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 consider selecting “Yes” for these optional licenses when making your expanded-abstract submission.
- 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. **Please add no-reply@seg.org to your address book to ensure your letter is received.**

**Additional Notes for Submission:**

- 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. EiD will append the references to the expanded abstract if the expanded abstract is accepted.
- The only file type that EiD will accept is PDF (.pdf). Further instruction regarding this requirement can be found in the “Instructions to Submit Online” section of this document.

This Abstract Kit contains the following items:

1. Criteria for Abstract Acceptance
2. Online Review Form
3. Presentation Style
4. Instructions for Typing Abstracts
5. Instructions to Submit Online
6. Primary Emphasis Category List
7. Abstract Information Form
8. Submission Checklist

\*A sample abstract is available online for your reference.

**Abstract Submissions**

To submit your abstracts for the 2021 EiD, you must submit online using EiD’s program for submissions at <https://eid2021.abstractcentral.com>. The online program will open for submissions on **12 June 2020**. We recommend that you **do not wait until the last week** to submit an abstract. Using the EiD online submission program, authors will be able to open their browser windows, fill out the forms, and submit their expanded abstracts for review. **There is a 10 MB file size limit per uploaded expanded abstract.** Expanded abstract submissions must be complete before 5 p.m. U.S. Central Daylight Time on 12 August 2020.

**Questions?**

Contact the Education and Meeting Manager in the SEG Business Office by e-mailing [techprog@seg.org](mailto:techprog@seg.org).

## Criteria for Expanded Abstract Acceptance

**Expanded abstracts submitted that are not properly formatted following the specifications laid out in the Official Abstract Kit will be rejected.** The acceptance of your expanded abstract by the 2021 EID Technical Session Subcommittee 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 expanded abstracts must be complete and contain full references (prepared separately as per the instructions). Each expanded abstract will have up to three reviewers. The Technical Program Committee will be responsible for selecting and organizing the expanded abstracts into cohesive sessions that fit within the Technical Program schedule.

### **Copyright**

EiD secures copyright to abstracts accepted for presentation at the EiD Conference. Copyright transfer is delivered during the submission process but does not take effect until manuscript acceptance. The copyright transfer includes 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, which typically occurs in late December or early January. It is recognized that works are not eligible for copyright transfer if **all 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 the rights-transfer forms. **Acceptance of your abstract does not guarantee publication.** Generally, expanded abstracts are published online before the Conference. Expanded abstracts also will be published on SPE [www.onepetro.org](http://www.onepetro.org), AAPG Datapages, and SEG's Library.

During the submission process, authors are invited to extend EiD permission to live stream and/or record presentations and publish the recordings with presentation materials on removable media and/or online. Authors are not required to agree to either of these rights transfers, as it is recognized that there sometimes are proprietary reasons authors must withhold permission to publish presentation materials and/or recordings. Copyright transfer does not prevent the author(s) from presenting their material elsewhere after their presentation at the 2021 EiD Conference, but full citation and proper acknowledgment of EiD's copyright is required.

### **Recording Policy**

EiD may live stream and/or record your audio and presentation slides at the EiD Conference for delivery via the Internet. Only presentations for which the author has granted permission will be broadcast and/or recorded. **Granting permission to record your presentation does not guarantee that your presentation will be selected for recording or live streaming.**

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

Abstracts must be written in English. A well-written abstract is readily understandable, even if it has been translated. SEG partners with *Editage* to provide SEG 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://seg.org/Publications/Journals/-Geophysics/Information-for-Authors/Instructions-to-authors>). EiD will publish the expanded abstract exactly as it is received. Please proofread your expanded abstract carefully because neither the Technical Session Subcommittee nor the Society Business Office staff will make any typographical or grammatical changes. Grammatical and typographical errors reflect on the Societies 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 expanded abstracts with the appropriate forms. The expanded abstract must be of sufficient length to cover the topic and allow reviewers to judge its quality. An expanded abstract should be at least two pages if no figures are used and **must not exceed four pages (including graphics) or 10 MB file size.** An expanded abstract should have no more than 2,000 words and be accompanied by no more than six figures. **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**

EiD 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://www.seg.org/pubethics>. 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. **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 Session Subcommittee seeks submission of new ideas and applications. Permissions must be secured and attribution provided for any material previously presented or published.

### **First Claim to Publication**

Authors agree to give publications of EiD's partners first claim to publication of an expansion of the Work into a journal article or book chapter if the authors produce one. Please consider whether an expansion of your work, with fresh expression and expansion of the ideas and descriptions rather than duplication of the expanded-abstract text, would be suitable for publication in the publications of AAPG, SPE, or SEG. If a need exists to publish elsewhere, authors may e-mail [publications@seg.org](mailto:publications@seg.org) to ask for that permission.

## **Presentation Style**

### **Oral Presentation**

Oral presentations will be 25 minutes. 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 EiD-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.

# Abstract Reviewer Questions

The information below is found in the online form reviewers will fill out for each abstract. Up to three reviews will be performed on each abstract. The selections below each category are the options reviewers are given along with the corresponding score.

## Category and Score (5-best, 1-worst)

### Technical Veracity

- **5** – Well supported scientific content with clear objectives and sound research method, using innovative process and providing multiple types of data to prove the objective
- **4** - Proven scientific method applied to new or existing data to push boundaries of previous work
- **3** - Good technical work on limited data, not enough concrete support
- **2** - Lacking or poor technical content, not appropriate assumptions or methods for the objectives
- **1** - Vague, black box, or debatable methods or interpretations, contradicting known facts with no evidence

### Significance

- **5** - Game changing differentiator relevant to multiple branches of geoscience and engineering, addresses an original problem or finds a new approach for existing issue of importance
- **4** - New concept for a specialist audience only
- **3** - Incremental contribution to a known concept
- **2** - Good examples of an application of a known concept, but low impact
- **1** - Not a significant example of a concept or lacks potential for adoptability

### Structure

- **5** - Paper is extremely well written and presented logically, with good flow and completeness, with essential amount of detail
- **4** - Communicates the message well, easy to follow, appropriate length
- **3** - Understandable with due effort, longer than necessary
- **2** - Difficult to understand or to follow
- **1** – Incomprehensible

### Illustrations and grammar

- **5** - Outstanding draftsmanship of original illustrations/plots, grammatically correct, well formatted
- **4** - Clear and insightful images but widely used by other authors or adopted from previous publications
- **3** - Average quality, some misspelling or poor formatting
- **2** - Low resolution images/ hard to understand/ busy with irrelevant data
- **1** - Lacks needed figures or irrelevant, excessive use of cartoons or smart art

### Conclusions

- **5** - Definite conclusions to a key message supported by data
- **4** - Tentative conclusions to an ongoing work supported by data
- **3** - Multiple conclusions that don't clearly support a main message
- **2** - Conclusions not supported by data
- **1** - Inconclusive, with no explanation of the outcome

### Commercialism

- **5** - None or appropriate (company name on title slide only with little references to a specific new product)
- **4** - Periodic references to a specific product or comparison of products in support to a message
- **3** - Borderline commercial with too many references to utilization of services by others, not necessary for a technical message under discussion
- **2** - Excessive use of brand names, product names, logos, failure to substantiate performance claims
- **1** - Extremely commercial with a sole goal of promoting a specific company or a product

### Delivery

- **5** - Outstanding and captivating talk, effective delivery of a message
- **4** - Speaker communicates to the audience professionally with good enunciation
- **3** - Clear message but average delivery
- **2** - Poor presentation skills with typical pitfalls of delivery
- **1** - Very poor presentation skills, reading the slides

## Instructions for Typing Expanded Abstracts

Expanded 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 include digital object identifiers (DOIs) for each reference if they are available.
- ◆ Abstracts are **limited to four pages** with a minimum of two pages if no figures are used. They must be single-spaced. Abstracts should have no more than 2,000 words and not more than six figures. 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.
- ◆ 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).
- ◆ 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 expanded abstract's content should closely follow this scheme:
  1. Summary
  2. Introduction
  3. Theory and/or Method
  4. Examples (optional)
  5. Conclusions
  6. Acknowledgments (optional)

## Instructions to Submit Online

Deadline: All expanded abstracts must be submitted via the online abstract submission system **before** 5 p.m. U.S. Central Daylight Time, 12 August 2020 for consideration. Late submissions will not be accepted.

1. Prepare your computer. Your Internet browser must be one of the following:
  - ◆ Google Chrome
  - ◆ Microsoft Internet Explorer 8 or greater
  - ◆ Firefox 7 or greater
  
2. Before you begin the online submission process, gather all necessary information. You may use the abstract information form found at the conclusion of this kit to guide you in preparing your submission information. This information should include the following:
  - ◆ **Primary emphasis category**—Select one from the list provided in this kit.
  - ◆ **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. A valid e-mail address is required.
  - ◆ **Primary contact information**—Include e-mail address, company name, full mailing address, phone number, *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. 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 his or her e-mail address, company name, full mailing address, phone number.
  - ◆ **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.**
  - ◆ **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.**
  - ◆ **Expanded Abstract**—The only file type that EiD 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://eid2021.abstractcentral.com> for the online submission form.
  - ◆ If you cannot view Adobe Portable Document Format (.pdf), you will need to download Adobe Reader version 6.0 or higher 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 the Education and Meeting Manager at [techprog@seg.org](mailto:techprog@seg.org) for assistance.

## Primary Emphasis Category List

As instructed on the previous page, please select one primary emphasis category to enter into the online submission form. This is required information.

### Technical Session Topic Areas:

- Use Cases in Production
  - Artificial lift
  - Engineering
  - Reservoir monitoring and management: Engineering, Geology, and Geophysics
- Use Cases in Exploration
  - Geology
  - Geophysics
  - Artificial intelligence/Machine learning for fiber optic DAS based applications
- Use Cases in Drilling
  - Completion monitoring and optimization
  - Artificial intelligence for drilling advisory systems
- Use Cases in Environmental
  - Leaks
  - Safety
  - CO<sub>2</sub> monitoring
  - Near surface
- Use Cases in Integration of Disciplines
- Other industries we can learn from
  - Organizational challenges
  - Technological challenges
  - Financial challenges
  - Successful workflows
  - Implementation strategies
- Special challenges of using data from oil and gas industry
  - Data standards
  - Data quality (validity, completeness, consistency, etc.)
  - Multiple interpretations
  - Integration of spatial and temporal data
  - Reconciling units, coordinates and time zones
  - New research concepts
- New research concepts
- Governmental artificial intelligence, machine learning, or analytic programs