

Contribution Submission Deadline: 19 June 2023 at 5 p.m. U.S. Central Daylight Time

OFFICIAL CONTRIBUTION KIT

Seventh International Conference on Engineering Geophysics (ICEG2023)

Al Ain, United Arab Emirates

16-19 October 2023

Please note:

- **The conference will be a full in-person/physical event in Al Ain, UAE at United Arab Emirates University's premises**
- 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 three for further information.
- To further enhance the Technical Program, SEG will provide an on-demand access post event. The on-demand access will only have a playback option of those permitted recorded presentations, access to this platform will be shared only to all paid attendees of ICEG2023.
 - If you are not able to attend physically but still wish to present your contribution, you may submit your recorded presentation on or before **21 September 2023** to SEG to be included in the on-demand access.
 - At the same time, if you are attending and presenting physically and still wish to have your presentation available on-demand, you may send us your recorded presentation.
 - To provide on-demand access, we must have your recorded presentation release in SEG platform. Please select the rights you extend to SEG from among the options available.
 - Access will only be limited to paid attendees of the conference
- 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 alara@seg.org to the speaker address book to ensure your letter is received.**

Additional Notes for Submission:

- The only file type that ICEG will accept is WORD (.docx). Further instruction regarding this requirement can be found in the "Instructions to Submit Online" section of this document.
- A reference list should be added at the end of the abstract and should be prepared in the next page (i.e. page after the 1,500-2,500 word count and 2 figures).

This Kit contains the following items:

1. Criteria for Abstract Acceptance
2. Evaluation Questions
3. Presentation Styles
4. Instructions for Typing Contributions/Abstracts
5. Instructions to Submit Online
6. Primary Emphasis Category List
7. Copyright Transfer and License Agreements

*A sample submission is available online for your reference.

Contribution/Abstract Submissions

To submit your work for the Seventh International Conference on Engineering Geophysics, please email to alara@seg.org. The call for contributions will be open for submission from **23 February 2023**. We recommend that you **do not wait until the last week** to submit. **There is a 10 MB file size limit per uploaded abstract**. Abstract submissions must be complete before 5 p.m. U.S. Central Daylight Time on 19 June 2023.

Questions? Contact the Event Lead in the SEG Business Office by e-mail alara@seg.org

Criteria for Submission Acceptance

Contribution/Abstracts submitted that are not properly formatted following the specifications laid out in the Official Abstract Kit will be rejected. The acceptance of your contribution/abstract by the 2023 ICEG Technical Program Committee is based on the quality of your submitted contribution/abstract and whether it fits with the subject coverage of the Technical Program, as well as space available in the Technical Program Schedule. All contribution/abstract must be complete and contain full references. Each will have up to three reviewers. The Technical Program Committee will be responsible for selecting and organizing the abstracts into cohesive sessions that fit within the Technical Program Schedule.

Copyright

SEG secures copyright to contribution/abstract accepted for presentation at the International Conference on Engineering Geophysics. 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 contribution/abstract at the time of submission, please do not submit. Papers cannot be withdrawn after online publication simultaneous to the conference dates. 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 when clicking through the rights-transfer forms. **Acceptance of your material does not guarantee publication.** Generally, papers are published online before the Conference.

During the submission process, authors are invited to extend to SEG a license to their presentation files—recorded presentation—so that SEG may publish them online alongside their abstracts after the meeting has occurred. Authors also are encouraged to extend to SEG permission to live stream and/or record presentations and publish the recordings with presentation materials on removable media and/or online. Authors must select from among these broadcast options:

- (1) 1. One Month from the end of the conference until 19 November 2023
- (2) Three Months from the end of the conference until 19 January 2024,
- (3) Perpetual access to the presentation recording
- (4) I cannot give presentation rights for registrants to access my presentation/materials on SEG Learning platform or other SEG channels.

Transfer of copyright in the contribution/abstract does not prevent the author(s) from presenting their material elsewhere after their presentation at the ICEG2023, but full citation and proper acknowledgment of SEG's copyright is required.

Open Access

SEG's open-access policy allows an author to pay a \$1,000 author-publication charge to make his or her contribution/abstract available without access controls in the SEG Library. To opt for open-access publication, please click through the copyright-transfer agreement and send an e-mail to alara@seg.org stating your desire to pay for open access. Instead of paying the normal \$3,500 open-access fee for journal papers, authors who paid \$1,000 to publish their contribution/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 publication in an SEG journal. Learn more about SEG's open-access policy at <https://library.seg.org/open-access>.

On-demand Access Policy

SEG will provide access to your recorded presentation post ICEG2023 in SEG channels. Only presentations for which the author has granted permission will be included.

Technical Content

A good submission 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 cogent, convincing arguments. If the contribution/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

Submissions must be written in English. A well-written contribution/abstract is readily understandable, even if it has been translated. Submitted work should be prepared according to the Instructions to Authors (<https://library.seg.org/GEO-instructions>) SEG will publish the abstract exactly as it is received. Please proofread your submissions carefully because neither the Technical Program Committee nor the SEG Business Office staff will make any typographical or grammatical

changes. Grammatical and typographical errors reflect on the entire Society 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 shall have followed the guidelines (see Instructions for Typing Abstracts) and submitted abstracts in **Word file** with the appropriate forms. The abstract must be of sufficient length to cover the topic and allow reviewers to judge its quality but **must not exceed 2500 word count** (includes word count of 2 figures) or **10MB file size**, this excludes references. A reference list should be added at the end of the abstract and should be prepared in the next page (i.e. page after the 1,500-2,500 word count and 2 figures).

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/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

As a part of your abstract submission, you will be asked whether your 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.

First Claim to Publication

Authors agree to give SEG 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 GEOPHYSICS, or The Leading Edge. If a need exists to publish elsewhere, authors may e-mail alara@seg.org to ask for that permission.

Potential Automatic Rejection

- Submissions not properly formatted following the specifications laid in this Official Abstract Kit will be rejected, see "Typographical Instructions".
- Submissions 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.

SEG's Contribution and Oral/Poster Evaluation 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)	Abstract Acceptance Stage
Technical Veracity <ul style="list-style-type: none"> ➤ 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 <ul style="list-style-type: none"> ➤ 5 - Game changing differentiator relevant to multiple branches of geoscience, 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 <ul style="list-style-type: none"> ➤ 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 <ul style="list-style-type: none"> ➤ 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 <ul style="list-style-type: none"> ➤ 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 <ul style="list-style-type: none"> ➤ 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 of 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 	√

Presentation Styles

You are required to select your preferred presentation style during submission. Please review the styles available and select the one you feel 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 are also most appropriate for abstracts that are targeted to a focused audience or present difficult concepts that may require more than 20 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 Event Manager. Each poster presenter may be given **one** (1) single board that is 100cm x 120cm. You will have to make use of the entire board area and must include the abstract title and author(s) in your presentation. 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 15 minutes for presentation and 5 minutes for discussion.

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 SEG-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 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 including the discussion.

Instructions for Typing Contribution/Abstract

Abstracts will be published on conference proceedings and/or online.

A sample submission 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), **Word file**.
- ◆ Abstracts should include a minimum of **1500 to a maximum of 2500 words (word count excludes minimum of 2 figures and references)** and must be single spaced.
- ◆ Minimum of 2 figures and reference list should be added at the end of the abstract and should be prepared in the next page (i.e. page after the 1,500-2,500 word count)
- ◆ **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 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).
- ◆ All pages (except references) 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:
 1. Summary
 2. Introduction
 3. Theory and/or Method
 4. Examples (optional)
 5. Conclusions
 6. Acknowledgments (optional)
 7. References

Instructions to Submit Abstract/Contributions

Deadline: All submissions must be submitted to alara@seg.org before 5 p.m. U.S. Central Daylight Time, 1 June 2023 for consideration. All submissions will be acknowledged by Event lead Adrienne Lara, if no acknowledgements received, kindly know that we did not successfully receive the file.

1. Before you submit your abstract/contributions, gather all necessary information. Please submit the abstract along with the **Contribution form** found on the SEG Website with all your submission information. This information should include the following:
 - ◆ **Preferred primary and secondary Technical Topic**—Select one from the list provided in the form.
 - ◆ **Presentation Style**—Poster, Oral, and No Preference
 - ◆ **Publication** – Specify if you would like to be considered for GEOPHYSICS Journal publication (*standard GEOPHYSICS publication fees will apply*)
**For more information on GEOPHYSICS Journal publication process, you may refer to <https://library.seg.org/page/gpya7/ifa/instructions#letters>*
 - ◆ **Primary author/speaker/contact information**—Include e-mail address, company name, full mailing address, phone number, SEG member number. A valid e-mail address is required. If you are a student, please mark “yes” in the student box in order to be considered for the student paper awards.
 - This is the person who will receive communication regarding this abstract. The primary contact MUST be available by e-mail.
 - The primary author/speaker/contact should be the same person.
 - ◆ **Secondary authors**—Include all authors of your contribution in your submission. (Full name and organization details)
 - ◆ **References**—Remember that the reference list should be added at the end of the 1,500 – 2,500 word count and 2 figures
 - ◆ **Address**—This will be used only for records. **Please note that status notification letters will be sent only via e-mail.**
 - ◆ **Contribution Submission**—The only file type that SEG will accept is WORD (.docx). 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.
 - ◆ **Please note**—If your abstract was previously submitted to or presented at another event, kindly inform SEG.
2. If you are now ready to submit online:
 - ◆ Email your abstract to alara@seg.org along with your completed Call for Contributions form
 - ◆ If you encounter problems, please contact the Event Lead, Adrienne Maxine at alara@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.

Conference Themes and Topics:

CONFERENCE THEME: Geophysics Role in Sustainable Development and Climate Change	
<p>The Role of (Engineering) Geophysics in the Energy Transition and response to Climate Change</p> <ul style="list-style-type: none"> □ Geothermal Energy, Subsurface / CO₂-storage, Hydrogen and Methane Hydrates □ Innovations in Earth Resource Exploration (Hydrogeophysics and Mining) □ Geophysical Characterization for Platforms, Wind Turbines, Pipelines □ Geotechnics and Geophysics for Urban developments (e.g. smart cities) □ Geophysics for Sustainability <p>Technological / Methodological Advances</p> <ul style="list-style-type: none"> □ Seismics (Active and passive) □ Electromagnetics □ Inversion, modelling and data integration (e.g. FWI) □ Borehole geophysics □ Unmanned geophysical surveying □ The role of near-surface geophysics in deep subsurface imaging and characterization □ Time-lapse Geophysics □ Other (e.g., gravity, magnetics, electrical resistivity, etc.) 	<p>Machine-Learning and AI in Engineering Geophysics</p> <p>Geohazard and Risk Mitigation</p> <p>Planetary and Lunar Geophysics (e.g. Gravity, seismic, LPR, etc.)</p> <p>Broader Engineering Geophysics</p> <ul style="list-style-type: none"> □ Forensics and archaeogeophysics □ Cryogeophysics (e.g., Ice sheet, glacier dynamics, sea-level rise, permafrost, etc.) □ Agrogeophysics (Agriculture geophysical mapping) <p>The role of geophysics in Earthquake Engineering</p> <p>Standards and Legislation Governing Engineering Geophysical Methods</p> <p>Case Studies of Engineering Geophysics</p>

1. Copyright Transfers and License Agreements

These agreements are executed during the online submission process.

TRANSFER OF COPYRIGHT for publication of your submitted contribution

For and in consideration of the potential publication of the submitted contribution (the "Work") by the Society of Exploration Geophysicists ("SEG"), I, the submitter of the Work, as lead and/or corresponding author and/or rightsholders and acting on behalf of all authors and/or owners of copyright and other rights in the Work ("Authors"), hereby transfer, assign, and convey all right, title, interest, and worldwide copyright in the Work to SEG, effective if and when the Work is accepted for presentation at the International Conference on Engineering Geophysics, 16-19 October 2023, Al Ain, UAE (ICEG2023) and related publication, subject only to limitations expressed in this Transfer of Copyright (the "Agreement"). I warrant that I am authorized and empowered to represent all Authors with respect to the Agreement, which is executed jointly and severally by Authors if copyright transfer is from multiple individuals or entities. The Work includes the article and all material to be published within and with the article in any and all media, including but not limited to tables, figures, graphs, source code, movies, and other multimedia. Responses to discussions of the Work, errata, and other similar material directly related to the Work that may arise subsequent to publication also are considered part of the Work. In the event the Work incorporates copyrighted material of others, Authors warrant that all required permissions or releases have been secured. Authors agree to indemnify, defend, and hold SEG, its directors, officers, employees, and agents harmless against any claims to the contrary.

Authors shall retain the following royalty-free rights:

1. All proprietary rights in the Work that are not transferred to SEG in the Agreement, including the right to any patentable subject matter that may be contained in the Work.
2. The right to reproduce and distribute part or all of the Work, including figures, drawings, tables, and abstracts of the Work, with proper attribution and copyright acknowledgment, in connection with Authors' teaching and technical collaborations.
3. The right to make oral presentation of the same or similar information as that contained in the Work provided acknowledgment is made of SEG copyright ownership and publication status.
4. The right to post a final accepted version of the manuscript or the final SEG-formatted version on Authors' personal Web sites (not including social-network sites used for article sharing such as ResearchGate), employers' Web sites, or in institutional repositories operated and controlled exclusively by Authors' employers provided that (a) the SEG-accepted or SEG-published version is presented without modification unless modification is noted and fully described; (b) SEG copyright notice and a full citation appear with the paper; (c) a live link to the version of record in the SEG Digital Library using a Digital Object Identifier (DOI) permalink is provided; (d) the posting is noncommercial in nature, and the paper is made available to users without charge; (e) notice is provided that use is subject to SEG terms of use and conditions; and (f) a posting of the Work in an institutional repository neither carries nor is implied as carrying a license in conflict with SEG copyright and terms of use.
5. The right to prepare and hold copyright in derivative publications based on the Work provided that the derivative work is published subsequent to the official date of the Work's publication by SEG and the Work is cited.
6. The right to post to their own Web sites a preprint (a version prior to SEG's accepted and published versions) of the Work provided that the posting is accompanied by prominent notice that the Work is under review for publication in SEG Technical Program abstract and that upon publication by SEG in any form, the preprint is taken offline and replaced with either (a) a full citation of the published Work that may include the abstract's introduction, plus a DOI permalink to the version of record; (b) the final published version, subject to SEG conditions for such posting; or (c) a modification of the Work with notification stating the work is a modification of the SEG version, also subject to SEG conditions for such posting; and that if the Work is rejected for publication by SEG, notice of its under-review status be removed.
7. The right to reuse all or part of the Work in a thesis or dissertation that the Author writes and is required to submit to satisfy criteria of degree-granting institutions, with full citation of the Work, its copyright status, and a DOI permalink to the version of record.
8. The nonexclusive right, after publication by SEG, to republish and distribute print versions of the Work or excerpts therefrom without obtaining permission from SEG, provided that (a) the paper is not republished in a journal, book, or collection of conference contributions or proceedings; and (b) no fee is charged for the printed versions. Permission must be obtained from SEG for other republication of the Work.

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Note: In the event Authors cannot transfer copyright in the Work to SEG because ALL authors were U.S. government employees at the time the Work was prepared, Authors will have an opportunity during submission to indicate this. If any Author is not a U.S. government employee yet Authors, because of their legal status, require terms other than those enumerated in the Transfer of Copyright Agreement, select Yes to the copyright-transfer question to enable the submission to be completed, then submit an explanation to the SEG Event Manager in writing no later than 5 July 2021 in order for your request to be considered by SEG.

2. License agreement for presentation files

I hereby grant the Society of Exploration Geophysicists ("SEG") and its agents a nonexclusive, irrevocable, royalty-free, worldwide license to capture the PowerPoint and/or PDF presentation file and associated video files, if any, ("the Work") that will be used in the here-submitted contribution's oral presentation at the International Conference on Engineering Geophysics, 16-19 October 2023, Al Ain, UAE (ICEG2023); to publish and disseminate the Work through the Internet, on removable media, or via any other method of transfer now in use or developed after the date of this agreement; and to develop, publish, and disseminate derivative works in any form, including translations into any and all languages and presentations in any form now in use or developed after the date of this agreement, effective if and when the here-submitted contribution is accepted for presentation at ICEG2023.

I certify that I am the lead author, corresponding author, and/or presenter of the submitted contribution associated with the Work. I further certify that I am fully authorized by all authors and the presenter(s) of the submitted contribution and any and all other holders of rights in the submitted contribution and associated presentation (including employers in the case of Work Made for Hire) to extend licenses and make warrants conveyed in this agreement, and that my agreement to the terms of this agreement constitutes their agreement as well as my own to these terms. I acknowledge and agree that the Work includes all material presented as part of the presentation file, including but not limited to tables, figures, graphs, source code, movies, and other multimedia, and that any responses to discussions of the Work, errata, or similar material directly related to the Work that may arise subsequent to presentation and publication are considered part of the Work.

I certify on behalf of myself, all other coauthors (if any), and the presenter(s) that prior to presentation, authors and presenters have secured or shall secure all required permissions or releases for material incorporated in the Work. I assert on behalf of myself, all of my coauthors (if any), and all presenters that I (we) expect no compensation from SEG or its agents related to any broadcast, recording, publication, or dissemination of the oral presentation and shall receive none.

This license grant includes the following additional terms:

1. Authors and presenters (and employers, if applicable) shall retain ownership of and all proprietary rights to the Work, including the right to any patentable subject matter that may be contained in the Work and the right to present the Work in any form in any setting and through any medium.
2. SEG shall acknowledge author copyright ownership in the Work with a standard notice such as "© 2023 by the Author(s)."
3. SEG may sublicense and distribute the Work in conjunction with licenses it may grant for access to the abstract associated with the Work or to any broadcast and to any recording made of the ICEG2023oral presentation of the Work.
4. SEG may use and authorize use of author names, photographs, and biographical data in connection with promoting the Work and any derivative works it may make from it.
5. This license agreement shall be binding on the heirs, executors, administrators, and assigns of the authors and presenters; the successors and assigns of employers, in the case of Work Made for Hire; and the successors and assigns of SEG.

License agreement for presentation broadcast and recording

I hereby grant the Society of Exploration Geophysicists ("SEG") and its agents a nonexclusive, irrevocable, royalty-free, worldwide license to stream or otherwise broadcast in both audio and video form my presentation ("Presentation") for the International Conference on Engineering Geophysics 16-19 October 2023 ("ICEG2023") either (1) for one month from the time of its first showing until 19 November 2023, ("one-month presentation rights granted") (2) for three months from the time of its first showing within the ICEG2023 meeting until the meeting is taken offline on 19 January 2024 ("three-month presentation rights granted"), or (3) during a designated time for its showing plus anytime thereafter in perpetuity through an SEG channel ("perpetual presentation rights granted") (4) no presentation rights for registrants to access my presentation/materials on SEG Learning platform or other SEG channels, as I have here selected:

(Select one):

- ☐ (1) One Month from the end of the conference until 19 November 2023
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