



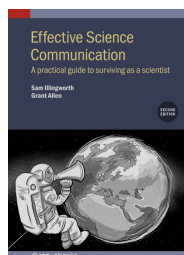
SCEC2023 Poster Session Guide

August 2023

www.scec.org/meetings/2023/am

Our goal is to **communicate our science effectively** and to **engage the community** during our meetings. A good presentation can help to ensure uptake of results by the audience, stimulate new ideas and approaches, explain the relevance of the results, and build support for future collaborations and funding. Your **audience of 400+ participants** at SCEC2023 are clever and extremely curious about earthquakes. They include many students, scientific peers, potential collaborators, decision makers, and sponsors who may or may not be trained in a scientific field.

Effective Science Communication



Sam Illingworth, senior lecturer at the University of Western Australia, published the second edition of [Effective Science Communication](#) as a practical guide for scientists on publishing work in academic journals, applying for funding, presenting, outreach and public engagement, engaging with the mass media, establishing an online presence, science and policy, and other essential research skills.

Check out [Illingworth's recorded seminar on "Science Communication for Researchers"](#) for tips on developing your own "unique selling point" and preparing to deliver engaging oral and poster presentations in both in-person and virtual settings.

Greg Foot, a Science Broadcaster on BBC TV & Radio has created a [YouTube Course on Science Communication](#) with tips and techniques to help practicing scientists communicate their work with non-experts.

See Mike Morrison's take on [How to Create a Better Research Poster in Less Time](#), using basic principles of user experience (UX) design and work psychology. Consider applying the [#betterposters technique](#) to improve how you communicate your science through conference posters.

SCEC2023 Poster Presentations

The SCEC community will share recent results and activities through poster presentations. An online poster gallery, as well as live poster viewing sessions at the venue, will facilitate connections, discussions and collaborations with other participants. Each poster presentation will have physical poster space at the venue in Palm Springs, as well as a virtual poster space in the online gallery that will include general poster information, author contact information, and a PDF of the poster presentation. Authors will have the option of providing short videos to accompany their online poster, such as a 1-minute "lightning talk" that invites others to visit their poster or a 5-minute presentation that walks through results presented in the poster. In addition, the poster team may also submit a live lightning talk to be presented in the plenary session program.

The physical posters will be divided into two groups displayed separately on Sunday/Monday and Monday/Tuesday, and augmented with online poster spaces where all posters are available 24/7 from September 10-17, 2023. During the scheduled poster viewing sessions, participants meet to discuss results and exchange ideas with other meeting registrants.

Your Physical Poster Space

Physical posters will be divided into Group A or Group B. Follow the guidelines below to prepare your poster for display and presentation in Palm Springs during SCEC2023.

- **Poster Setup.** Group A may hang their posters in assigned space starting at 1:00pm Sunday and must remove them before 5:30pm Monday. Group B may hang their posters starting at 5:30pm Monday and must remove them by 5:30pm Tuesday. The poster room is available for informal viewing at all times, but you should plan to present during the scheduled poster viewing session times.
 - **Scheduled Poster Viewing Sessions**
 - Poster Group A: Sunday, September 10 (8:00pm-10:00pm) & Monday, September 11 (9:30am-11:30am)
 - Poster Group B: Monday, September 11 (8:00pm-10:00pm) & Tuesday, September 12 (9:30am-11:30am)
 - Online poster spaces for all posters are available 24/7 from September 10-17, 2023.
 - **Dimensions.** The poster dimensions **should not exceed 45 inches high x 45 inches wide**. Space is very limited, and we are also trying to limit crowding, so please be respectful of the neighboring spaces and presenters.
 - **Assigned Poster Space/Number.** Each poster has a designated space and poster group. Search for your poster at <https://www.scec.org/meetings/2023/am/abstracts> to determine your poster number and assigned group.
 - **Poster Templates.** You are welcome to use these SCEC poster templates: [click to download templates](#).
 - **Advertising.** Promote your poster with a lightning talk (see below) or on your favorite social media platform using hashtag #scecmeet
- The screenshot displays the Southern California Earthquake Center (SCEC) website. The top navigation bar includes links for HOME, ABOUT SCEC, RESEARCH, LEARN & PREPARE, and DASHBOARD, along with a search bar. The main header features the SCEC logo and the text "Southern California Earthquake Center" with the tagline "Studying earthquakes and their effects in California and beyond". Below this, a poster abstract for "Poster #197, Tectonic Geodesy" is shown, titled "Refining is inevitable in science when you have made measurements of a phenomenon for a long period of time" by Charles Richter, Emily Earthquake, John Doe, & Fault McFaultus. The contact information is listed as Charles Richter (richter@equakes.edu). To the right of the poster, there are icons for 10 views and 5 bookmarks. Below the poster, a section titled "Detecting and Reducing the Effects of Postseismic Deformation in Observed GPS Time Series Using a Hybrid Forward/Inverse Method in Southern California" is visible. On the right side of the page, a "Lightning Talk" video player is shown, featuring a red background and a play button icon.

Your Online Poster Space

Each online “poster space” consists of a webpage that includes general poster information, author contact information, and the poster PDF. Authors will have the option of providing short videos to accompany their posters, such as a 1-minute “lightning talk” that invites others to visit their poster or a 5-minute presentation that walks through results presented in the poster. Every poster is [assigned a poster number and category](#), which enables related content to be displayed together. See [archived examples from SCEC2022](#).

Visitors to the poster space will be able to provide feedback by leaving a comment, track interesting posters by “bookmarking” them, and/or connect with poster authors through the contact form.

HOME | ABOUT SCEC | SEARCH | LEARN & PREPARE | DASHBOARD | Search SCEC.org | GO

SCEC
AN NSF-USGS CENTER

Southern California Earthquake Center

Studying earthquakes and their effects in California and beyond

MY ACCOUNT

LOG OUT

Poster #197, Tectonic Geodesy

Refining is inevitable in science when you have made measurements of a phenomenon for a long period of time

Charles Richter, Emily Earthquake, John Doe, & Fault McFaultus

Contact: Charles Richter (richter@equakes.edu)

10 views

5 bookmarks

Detecting and Reducing the Effects of Postseismic Deformation in Observed GPS Time Series Using a Hybrid Forward/Inverse Modeling in Southern California

Rafaelere Grom: & Richard Recreant
University of Arizona, Department of Geosciences, 1040 E 4th Street, Tucson, AZ, 85711
[Contact Rafelere Grom \(@rafaeleregrom\)](#)

The poster details the detection and reduction of postseismic deformation in GPS time series using a hybrid forward/inverse modeling technique. It covers motivation, methodology, results, and a summary.

Poster Presentation

2023 SCEC Annual Meeting, Poster #197, SCEC Contribution #9462

VIEW PDF

High precision geodetic measurements of plate boundary zone deformation have provided an invaluable opportunity to analyze all aspects of the earthquake cycle over the last three decades. Yet, we still struggle to piece apart long- and short-term seismic and aseismic signals present in modern time series, in order to gain insight into long-term plate boundary motion and to shed light on long-term fault slip rates and the seismic hazards they help inform. Here, we apply a new hybrid forward/inverse modeling technique to identify and reduce the short- and long-term effects of viscoelastic postseismic deformation as observed by

SHOW MORE

8 Comments

Email me when new comments are posted

Commenting as Tran Huynh

Edric Pauk 2 days ago (report comment)

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Jack Baker 3 days ago

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Deborah Gormley 5 days ago

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SHOW MORE

Lightning Talk

Full Presentation

Contact Authors

Want to meet or collaborate with the presentation authors? Use this form to make contact and request a follow-up discussion with them.

CONTACT FORM

Keywords: seismic hazard analysis, workflows, high performance computing

SCEC Award: 19014, 18074

Citation: Richter, C., Earthquake, E., & McFaultus, F. (2023, 09). Refining is inevitable in science when you have made measurements of a phenomenon for a long period of time. Poster Presentation at 2023 SCEC Annual Meeting.

MORE POSTERS BY THE AUTHORS

- New Advances in CyberShake PSHA Models... Callagher et al.
- Dating the duration of deformation along a major shear... Richter et al.
- Triggered slip and afterslip in the 2019 Ridgecrest... McFaultus et al.

Accessing Online Poster Spaces—Adding Your Poster PDF and Videos

Before the official meeting kicks off on Sunday, September 10 at 10:00 AM PT (or UTC-7), only abstract co-authors can access the assigned poster space. Authors may access their assigned poster space once logged in to the SCEC website. Click the Meetings icon on your dashboard: <https://www.scec.org/dashboard>. You will see all the abstracts on which you are listed as an author.

Click the hyperlinked poster number to go to its online poster space. Click the EDIT button to upload your poster PDF and to add video links to your poster. See instructions below for designing your poster and recording videos.

A poster PDF (1-page only) must be submitted through the SCEC website no later than Saturday, September 9 to be included in the online poster gallery.

Your uploaded PDF will be converted (within 1 hour) to an image file for display in the poster space. Check the converted image, and email scecmeet@usc.edu if there is an issue. Viewers can zoom in on the image in the poster space, as well as view/download the PDF. The PDF file enables accessibility for those who rely on screen readers and text-to-speech software to access the document. See [more information for making PDFs accessible](#).

The PDF and image of your poster will only be accessible to registered SCEC2023 attendees during the days of the meeting. All presenters will need to approve posting of their materials online before we archive and make it available to the general public after the meeting dates.

Designing Your Poster PDF

Please design and create your poster to print no larger than 45" x 45" for in-person display. Convert your poster to PDF before uploading to the website. For the best display results, maintain a square aspect ratio and keep the PDF file size under 10 MB. See the [SCEC annual meeting poster templates](#) for suggested content to include in your poster PDF. For advice and tips on effective science communication, see General Guidelines above.

Remember to properly cite and acknowledge contributions and support for the work presented in your poster. See how to reference SCEC (and other) funding at: <https://www.scec.org/identity-credits>.

SCEC ID	Category	Titles and Authors
Poster 005	CXM	Updates to the SCEC Community Fault Model (CFM), and to web-based tools, and plans for its peer review and version 6.0 Andreas Plesch, Scott Marshall, Ana Luiza Nicolae, John Shaw, Philip Maechling, Mei-Hui Su EDIT
Poster 020	CS	Improving web-based access tools for the SCEC Community Models Mei-Hui Su, Philip Maechling, Edric Pauk, Tran Huynh, Scott Marshall, Michael Floyd, Elizabeth Hearn, Laurent Montesi EDIT
Poster 016	CXM	The SCEC Unified Community Velocity Model (UCVM) Software Models and Tools Philip Maechling, Mei-Hui Su, Scott Marshall, Elizabeth Hearn, Laurent Montesi EDIT

Click to view poster space

Click to upload PDF and add video links to poster

Upload Poster and Link Videos

A 1-page PDF is required for the online poster display at the SCEC Annual Meeting. You may include a 1-minute "lightning talk" to invite visitors to the online poster and/or a 5-minute presentation of results presented in the poster. See the [SCEC Poster Session Guide](#) for detailed instructions and guidelines.

Upload Poster PDF *
Choose File no file selected
[UPLOAD](#)
Files must be less than 30 MB.
Allowed file types: pdf.

Lightning Talk Video (1 minute maximum)
Enter only YouTube links of the lightning talk and full presentation videos. [Learn how to upload videos to YouTube.](#)

Full Presentation Video (5 minutes maximum)
Enter only YouTube links of the lightning talk and full presentation videos. [Learn how to upload videos to YouTube.](#)

Refining is inevitable in science when you have made measurements of a phenomenon for a long period of time

Charles Richter¹, Emily Earthquake², John Doe³, Fault McFaults⁴
¹University of Southern California, ²Southern California Earthquake Center, ³University of Aesooness

Abstract

Include your abstract here! Don't forget to write US&ET the mission team that built and submitted this about your team's contribution to the grand challenge. Earthquake are super cool! Don't forget to tag, cover, and find out!

Results

What are your results? What did you find out during your research. Lots of cool info about earthquake probabilities. Or maybe you made a big earthquake catalog. Or your team made an awesome new design for SCEC-CDC. Maybe you found a super devastating event with a high probability of occurring! Earthquake events rock!

More Results

Our team also found out all this sweet stuff about earthquakes and probabilities. There are so many interesting things to say about our results.

Summary/Conclusion

Bottom line... Earthquake science is super sweet! Let me team at my table and work up for you and say what my results are!

References

Cite your references here!

Acknowledgements

We would like to acknowledge all these awesome people that helped us during the event!

SC&EC **USGS** **US&ET** **US&ET** **US&ET**

Poster Lightning Talks

We have dedicated time in the SCEC2023 plenary session program for anyone interested in presenting a poster lightning talk to a live audience. This is an opportunity for a presenter from each poster team to summarize and promote their research and inspire interest in their poster. In 60 seconds, tell the audience about your research results and where to find you and your poster to learn more. Be sure to submit your live lightning talk by the deadline, following these instructions carefully:

- **Format / Time Limit.** A lightning talk cannot exceed 60 seconds. Each presenter has exactly one-minute on stage to share results (using only the accepted template). All slides will automatically advance to enforce the time limit.
- **Template.** To qualify for a lightning talk, you must use and follow the instructions in [this template](#).
- **Upload Slides.** Prepare your slides (using the template above). The presenter from your team must [click this link to register and upload slides](#) no later than **Friday, September 8 (5:00pm PT)** to be included.
- **Scheduled Live Lightning Talks** following Plenary Sessions 3 and 6
 - Poster Group A: Monday, September 11 (9:30am)
 - Poster Group B: Tuesday, September 12 (9:30am)
 - Each online poster space also allows upload of a 1-minute lightning talk that is available 24/7 from September 10-17, 2023.

If submissions exceed the number of live presentations that can be accommodated (due to time constraints), submissions will be closed, and priority will be given to students and early career participants. Submit your Live Lightning Talk early!

Recording Videos and Creating Captions

Authors will have the option of providing short videos to accompany their online posters, such as a 1-minute “lightning talk” that invites others to visit their poster or a 5-minute presentation of results or demonstration of products presented in the poster. We will use YouTube to manage, stream, and highlight poster videos for SCEC2023.



You may use the online videos however you'd like as long as the provided lightning talk is under 1-minute and full-tour under 5 minutes. See examples of [lightning talks from SCEC2022](#) for inspiration. Your only limitation is the maximum duration of each submitted video.

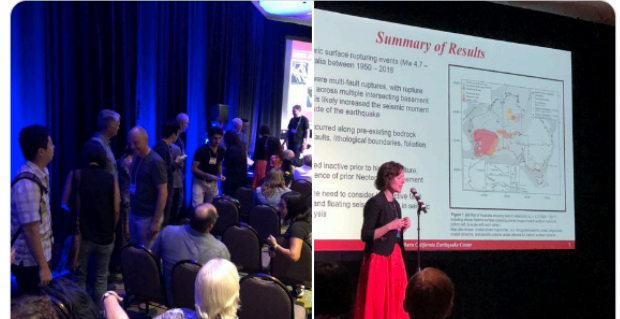
To record a video presentation, a webcam and microphone, access to [Zoom](#) (or another video/screen recording method), and a [Google/YouTube account](#) are needed.

1. Plan your presentation for the allotted time (lightning talk: 1 minute max and presentation: 5 minutes max). Consider outlining or even scripting your presentation for maximum effectiveness. Remember, you are communicating to an



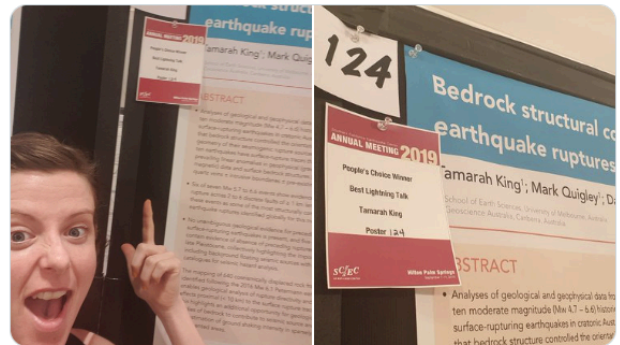
Brian Olson
@mrbrianolson

Also, the 2019 was the first meeting to feature the 60 second “lightning talk” challenge for poster presenters. LOTS of poster people took up the challenge, including [@tamarahking](#). #scecmeet #scec2021



Dr. Tamarah King
@tamarahking

Turns out my lightning talk yesterday went pretty well! #SCECmeet



Dr. Tamarah King @tamarahking · Sep 9, 2019

Pretty sure I opened with "I'm gonna summarise all of Australia's earthquake geology in one minute", can't remember what came afterwards! #SCECmeet [twitter.com/InSeismoland/s...](#)

6:31 PM · Sep 10, 2019 · Twitter for Android

audience who have an interest in earthquake science, but may lack the expertise to fully comprehend peer-reviewed scientific journals.

2. Join a Zoom meeting and begin recording. See [local recording with Zoom](#). Be sure you have a strong internet connection and to [use good lighting](#). Choose the best [Zoom video recording layout](#) for your presentation.
3. [Upload a video to YouTube](#), which will automatically create captions for the video. You can then [edit the auto-captions by YouTube](#) to correct any errors. You can even [upload a script and have YouTube auto-sync](#) to create captions.
4. Add **your video YouTube links** to the submission form once the individual poster spaces open. Make sure your videos are set as unlisted or public, and allow embedding.

Make an Impression and Connect with Others

People attend meetings and conferences to network, to expand their knowledge and find solutions, to present ideas and work with others, and to learn beyond their own field or interest. These are venues where potential candidates for graduate schools, fellowships, and jobs are recruited and new collaborations are formed.

Prepare for SCEC2023 by [researching who's attending](#), their areas of expertise, and [work to be presented](#). Introduce yourself to others by [updating your own scec.org profile](#) with a recent headshot image, area of expertise, and current bio. See some examples at right for the abbreviated participant profile. Click on each person's name for their full profile.

Take the opportunity to connect with others throughout the week, during scheduled session times or by appointment. Go to the plenary sessions, visit the in-person poster spaces, and leave comments at the online poster spaces you visit, or use the contact form to connect with any of the participants.



Alba Rodriguez Padilla, PhD candidate, UC Davis

Expertise: Fault and earthquake mechanics, active tectonics, structural geology

🎓 Graduate Student

👤 SCEC Mentor



Valère Lambert, NSF Postdoctoral Fellow, UCSanta Cruz

Expertise: Earthquake Modeling, Earthquake Source Processes, Seismology

👤 SCEC Mentor



Sean Ahdi, Research Geophysicist, USGS

Expertise: Engineering seismology applications to earthquake/geotechnical engineering; seismic site characterization using near-surface geophysical methods;...

Hone Your Meeting Skills

Meetings can be energizing, productive, and fun! It turns out that **efficient and effective** meetings are also **inclusive and respectful** meetings. Often, all it takes is one person with some simple meeting skills to change a meeting from frustrating and inefficient to enjoyable and efficient (from [Frame Shift Consulting](#)).

We encourage everyone to watch this video on **Meeting Skills for Inclusive Moderators**: <https://youtu.be/FNgxawnTpMM>. The presentation explains how to prepare and run a meeting effectively and inclusively. Learning these skills will help you run a great session, whether you are moderating a panel, giving an oral presentation, or hosting fellow participants at your poster.