

COMMITTEE FOR PASSIVE SEISMIC 2024-2025 REPORT

Committee chair: Dan Hollis

Committee vice chair: Piero Basini

Committee members: Oscar Quezada, Joel Le Calvez, Jonathan Ajo-Franklin, Lianjie Huang, Shujuan Mao, Fabian Pena, Wardah Mohammad Fadil, David Eaton

Board liaison: Sergio Chávez-Pérez

Staff liaison: Annabella Betancourt

EXECUTIVE SUMMARY

- Initiated a program to expand the range of passive seismic topics, applications, and methods addressed by the committee.
- Recruited new committee members to broaden diversity in technical expertise, organizational affiliation, and geographic representation.
- Incorporated IMAGE's Induced and Passive Seismic (IPS) program topic into committee functions.
- Developed an enhanced IPS program for IMAGE 2025, including four oral sessions, two special sessions, and one post-convention workshop.

HIGHLIGHTS FROM THE PAST YEAR

In previous years, the Committee for Passive Seismic primarily focused on seismicity associated with hydraulic fracturing and wastewater disposal. Recent advancements in seismic interferometry and other passive seismic methods have expanded their application across several areas, creating a need within the SEG community for additional technical content in these fields.

To address this need, the committee reviewed its structure, membership diversity, and plans for the IMAGE 2025 IPS program. As a result, the committee expanded its membership to include a broader range of interests and established the position of Key Contact for the IMAGE technical program.

For IMAGE 2025, the committee solicited and incorporated presentations covering an expanded range of passive seismic topics into the IPS technical program. Committee members also engaged with attendees at IPS events to identify and connect with delegates interested in passive seismic methods and to determine which topics are most relevant to their work.