



Petrophysics Energy Transition Special Issue Call for Papers

Dear Colleagues:

We find ourselves in challenging and unique times as the world faces the energy trilemma—racing against time to solve competing problems of energy security, affordability, and carbon neutrality. Petrophysics has a vital and central role to play in the energy transition gaining momentum around us. Whether we speak of storing carbon, mining strategic minerals, or ensuring safe, economic operation of alternative energy sources, it is clear the world will not achieve net-zero by 2050 without our discipline. Among a growing field of topics, the diverse and exciting scope of energy transition petrophysics includes:

- Carbon Capture, Usage, and Storage (CCUS)
 - Evaluation of carbon capture and storage projects
 - CO₂ fluid properties
 - Storage quantification
 - Sealing capacity
 - Reservoir and seal integrity
 - CO₂-brine-matrix interaction
 - Monitoring of carbon capture, usage, and storage projects
 - CO₂ saturation
 - Plume and pressure front migration
 - Well integrity
- Hazardous waste disposal and storage
- Geothermal projects evaluation
 - Fracture modeling
 - Thermal modeling
- Strategic minerals evaluation and mining
 - Unique measurement techniques
 - Measurements of lithium or other rare earth elements (low concentrations)
 - Extraction techniques

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To highlight our present and future contributions toward these challenges, the editorial committee of *Petrophysics* is pleased to announce the publication of an “Energy Transition Special Issue” in October 2023. We target approximately 15 diverse, high-quality submissions for consideration in this or in subsequent issues of *Petrophysics*. Authors are invited to submit manuscripts by **March 1, 2023**, via the SPWLA Editorial Manager site: <https://www.editorialmanager.com/spwla/>. Make sure to select “Energy Transition Special Issue” from the drop-down menu for article type when submitting your paper.

We are here to help! Prospective authors are encouraged (but not required) to contact the editorial committee at energytransition@spwla.com for informal feedback prior to producing a full manuscript and submitting to the *Petrophysics* peer-review and acceptance process. The following guidelines should help:

- Previously published conference proceedings and peer-reviewed articles are allowed, either reworked or reprinted. Lake Conroe symposium abstracts are welcome.
- Copyright transfer from the journal must be obtained by the author(s) before submission, except for SPWLA publications where copyright transfer comes from the author(s).
- Original material is, of course, allowed, provided approvals for publication are obtained before submission.
- Please refer to the Instruction for Authors for more information about submission requirements and associated publication fees.

Please feel free to forward or repost this invitation to all interested parties.

Best regards,
Robert Laronga
Lead Associate Editor, Energy Transition for *Petrophysics* journal

Adam Haecker
Associate Editor

Kelly Skuce
Associate Editor

