

Greetings!

We hope that our Winter quarter newsletter find you all well. Welcome new affiliate members....

Sarah Saltzer, Managing Director

2021 Affiliates Meeting

Please mark your calendars for the 2021 Annual Affiliates meeting which is tentatively scheduled for Nov 16 & 17 and will hopefully be an in person at Stanford.

Recent Events



Sally Benson was featured on the May 13 OGCI Talking Transition podcast where she discussed the potential for scaling up carbon capture and the realities of storing CO₂ safely and permanently.

[Link to podcast here](#)

Upcoming Events

Register for the Precourt Energy Seminar: [Register here](#). xxx

Recent Publications

Almajid, M. M., Wong, A. Y., et al. (2021). **Mechanistic foam flow model with variable flowing foam fraction and its implementation using automatic differentiation**. *Advances in Water Resources*, 150, 103877. doi: [10.1016/j.advwatres.2021.103877](https://doi.org/10.1016/j.advwatres.2021.103877)

E. Anto-Darkwah, S.M. Benson, et al. (2021). **An improved procedure for sub-core property characterization using data from multiple coreflooding experiments**. *International Journal of Greenhouse Gas Control*, Volume 105, 103226. doi: [10.1016/j.ijggc.2020.103226](https://doi.org/10.1016/j.ijggc.2020.103226).

Boon, M. & Benson, S. M. (2021). **A physics-based model to predict the impact of horizontal lamination on CO₂ plume migration**. *Advances in Water Resources*. doi: [10.1016/j.advwatres.2021.103881](https://doi.org/10.1016/j.advwatres.2021.103881)

Kamali-Asl, A., Zoback, M. D., et al. (2021). **Effects of Supercritical CO₂ on Matrix Permeability of Unconventional Formations**. *Energies*, 14(4), 1101. doi: [10.3390/en14041101](https://doi.org/10.3390/en14041101)

Romano, C. R., Garing, C., et al. (2021). **Extreme capillary heterogeneities and in situ fluid compartmentalization due to clusters of deformation bands in sandstones**. *International Journal of Greenhouse Gas Control*, 106, 103280. doi: [10.1016/j.ijggc.2021.103280](https://doi.org/10.1016/j.ijggc.2021.103280)

G. Wen, M. Tang, et al. (2021). **Towards a predictor for CO₂ plume migration using deep neural networks**. *International Journal of Greenhouse Gas Control*, Volume 105, 103223. doi: [10.1016/j.ijggc.2020.103223](https://doi.org/10.1016/j.ijggc.2020.103223)
