

Ziqiu Xue

Position/Department/Division/Institution/Organization

Chief Researcher/CO₂ Storage Research Group/ Research Institute of Innovative Technology for the Earth (RITE)

Country

Japan

Career history

Dr. Xue is a Chief Researcher with a primary focus on seismic rock physics in carbon sequestration. He joined in RITE in 2000 and started his professional career in carbon sequestration. He was responsible for CO₂ monitoring at the first Japanese pilot-scale saline aquifer storage project (Nagaoka project), including laboratory measurements of seismic wave velocity and resistivity changes when injecting CO₂ into porous sandstones, and time-lapse well logging and cross well seismic tomography at the CO₂ injection site. He is also partly involving in the offshore large scale CCS demonstration project (Tomakomai project). Now he is also the General Manager of Technical Division of Geological Carbon dioxide Storage Technology Research Association, consisting of Japanese oil and gas companies, Geo-engineering and Construction companies, National lab (AIST) and RITE. He is the technical lead coordinator of US-Japan CCUS collaboration program. He served as an Associate Editor of International Journal of Greenhouse Gas Control during 2007-2012 and was responsible mainly for CO₂ monitoring in carbon sequestration. He was the Visiting Professor of World Premier International Research Centre, International Institute for Carbon-Neutral Energy Research, Kyushu University during Aug 2012 – Mar 2016.

Awards/Publications

Best paper award from Society of Exploration Geophysicists of Japan in 2006

Areas of expertise

Seismic Rock Physics, Reservoir Geomechanics, CO₂ Monitoring in Geological Storage