

**2 Postdoc positions on
Multi-scale Imaging and Modeling Viscosified CO₂ Flow in Porous Media
at Peking University Shenzhen Graduate School**

Are you interested in the energy transition?

Are you keen to apply experimental and modeling methods to explore cutting-edge carbon storage solutions?

The School of Advanced Materials currently seeks highly-motivated and ambitious applicants for two postdoc openings at the *Complex Fluids Laboratory* in Shenzhen, China.

In the Postdoc project, you will be performing experiments and modeling: 1) to effectively viscosify sc-CO₂; 2) to advance the understanding of solubilization and viscosification of viscosifier molecules in CO₂ by molecular dynamics simulation; 3) to measure CO₂ saturation profile by X-ray CT imaging or microfluidic devices; and 4) to model neat and viscosified CO₂ storage in saline aquifers.

What we offer

- Well paid, 2-year term Postdoc positions at a state-of-the-art complex fluids laboratory
- Independent and high-impact research in the field of geo-energy storage
- Accommodation for postdoc inside or near campus
- Diverse and international team in an inspiring environment

What you bring to the position

- PhD degree in geosciences, petroleum engineering, or chemical engineering
- Excellent experimental, modeling and/or programming skills
- Ideally, experience in Multiphase Flow in Porous Media by CT scan and/or microfluidic devices
- Excellent communication and interpersonal skills

Interested applicants should contact Dr. Boxin Ding to apply and/or inquire for more details. Please attach two documents listed below:

- A CV with a list of publications
- A 1-2 page research statement in past achievements and future plans

For additional information, please contact Dr. Boxin Ding (boxin.ding@pku.edu.cn).