

Weiyao Yan

EDUCATION

University of Houston

Aug. 2016 - Present

Major: Geology Degree: Ph.D. (Expected in 2022)

Advisor: Prof. John F. Casey

China University of Petroleum, Beijing (CUPB)

Aug. 2013 - Jun. 2016

Major: Geological Resources and Geological Engineering Degree: Master of Engineering

Bilingual Education Program (selected top 90 students in the whole university) GPA:3.77/4.0

Advisor: Prof. Yingmin Wang

China University of Petroleum, Beijing (CUPB)

Aug. 2009 - Jun. 2013

Major: Geological Engineering Degree: Bachelor of Engineering

Innovation Experimental Class (selected top 70 students in the whole university) GPA:3.36/4.0

PUBLICATIONS AND CONFERENCES

- Zhuo, H.T., Wang, Y.M., Shi, H.S., He, M., Chen, W.T., Li, H., Wang, Y., **Yan, W.Y.**, 2015, Contrasting Fluvial Styles Across the Mid-Pleistocene Climate Transition in the Northern Shelf of the South China Sea: Evidence From 3D Seismic Data, *Quaternary Science Reviews*, 129, 128-146.
- Liu, Z.H., **Yan, W.Y.**, Wang, Y., 2015, Diagenesis Characteristics of Sandstone Reservoir in Chang 4+5 and Chang 6 of YD Oilfield, *Journal of Petrochemical Universities*, 28(4), 35-39.
- **Yan Weiyao**, Wang Yingmin, Peng Xuechao, Zhuo Haiteng, "Classification and Its Control of Continental Slopes on the North-Eastern South China Sea", *The 5th National Sedimentology Conference*, 2015
- **Yan Weiyao**, Wang Yingmin, Peng Xuechao, Zhuo Haiteng, "Comparison Between the Single Channel and Multiple Channel Data in the South China Sea", *The 2nd Seafloor Observation Symposium*, 2014

PROJECT EXPERIENCE

Analysis of the Isochronous Nature for the Major Unconformities of the Subbasins of the South China Sea

Funded by Guangzhou Marine Geological Survey, Guangzhou, China

May.2015-Nov.2015

- Interpreted more than 10000 km 2D seismic profiles and made synthetic seismograms for 4 wells
- Analyzed the isochronous nature of eight major unconformities of the subbasins and lower continental slope

Quaternary Stratigraphy and Depositional Systems on Northern Continental Shelf of South China Sea

Funded by Guangzhou Marine Geological Survey, Guangzhou, China

Jun.2014-Aug.2015

- Built the sequence stratigraphic framework, analyzed typical sedimentary facies
- Found six high-amplitude and continuous seismic reflectors which could be defined as **Regional Polygenic Surface** due to the complex regressive and transgressive processes
- Concluded the **climate change**, especially the Mid-Pleistocene Transition (MPT) to be the major controlling factor of stratigraphic stacking pattern.

Analysis of sedimentary facies of lower Hanjiang Formation, Zhu I Depression

Funded by China National Offshore Oil Corporation Limited - Shenzhen, Guangzhou, China

Feb.2013-Aug.2015

- Established the stratigraphic framework with a combined dataset, including 196 wells, over 3000 km² 3D seismic data, and made synthetic seismograms for over 150 wells
- Recognized two types of facies, four types of subfacies and six types of microfacies, and established **sedimentary facies model**
- Evaluated the impact of **sea-level change and tectonics** on distribution and evolution of sedimentary facies

Analysis of the plagiogranites in Newfoundland, Canada

Aug. 2016 – Present

- Doing fundamental analysis including the geochemical research, age dating, etc.

