Stanford

Xiaowei Li

Ph.D. Student in Geological and Environmental Sciences

Bio

BIO

Xiaowei Li maintains broad interests in marine and lacustrine sedimentology, stratigraphy, and geochemistry. His current research is primarily focused on outcrop-based studies of reservoir-scale heterogeneity in carbonate platform architecture and porosity, dolomitization processes, and numerical modeling of stratigraphy and diagenesis.

HONORS AND AWARDS

- McGee-Leverson Research Grant, Stanford University (2017)
- John E. Kilkenny Memorial Grant, American Association of Petroleum Geologist (2017)
- Postgraduate Research Grant, International Association of Sedimentologists (2016)
- SEPM Poster Awardee (Co-authored) at AAPG 2016 ACE (Calgary, Canada), Society for Sedimentary Geology (2016)
- Annual Student Scholarship, SWS American Association of Petroleum Geologist (2014)
- John E. Adams Memorial Scholarship, West Texas Geological Society (2014)
- Harold J. Funkhouser Memorial Grant, American Association of Petroleum Geologist (2013)
- Geology Scholarship, ConocoPhillips (2012-2014)

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Council Member, Society for Sedimentary Geology (SEPM) (2017 - present)
- Stanford Student Chapter President, American Association of Petroleum Geologist (AAPG) (2017 - present)
- Committee Member, Stanford School of Earth, Energy and Environmental Sciences Graduate Student Advisory Committee (2016 - 2017)
- Committee Member, Carbonate Research Group, Society for Sedimentary Geology (SEPM) (2016 - present)
- Treasurer, Stanford AAPG Student Chapter (2015 - 2016)
- Member, International Association of Sedimentologists (IAS) (2015 - present)
- Member, American Association of Petroleum Geologist (AAPG) (2012 - present)
- Member, Society for Sedimentary Geology (SEPM) (2012 - present)
- Member, Geological Society of America (GSA) (2012 - present)

EDUCATION AND CERTIFICATIONS

- M.S., Institute of Tectonic Studies, UTEP , Geological Sciences (2014)
- B.E., Guizhou University , Envir. Sci. (Envir. Geol.) (2008)

Research & Scholarship

LAB AFFILIATIONS

- Jonathan Payne (9/22/2014)

Teaching

COURSES

2017-18

- Coevolution of Earth and Life: EARTHSYS 4, GS 4 (Aut)

2016-17

- Coevolution of Earth and Life: EARTHSYS 4, GS 4 (Aut)

Professional

WORK EXPERIENCE

- Post-Grad Intern - Royal Dutch Shell (7/2015 - 10/2015)
- Integrated Geologist Intern - BP (6/2013 - 8/2013)

Publications

PUBLICATIONS

- **The Late Permian to Late Triassic Great Bank of Guizhou: An isolated carbonate platform in the Nanpanjiang Basin of Guizhou Province, China** *AAPG BULLETIN*
  Kelley, B. M., Lehrmann, D. J., Yu, M., Minzoni, M., Enos, P., Li, X., Lau, K. V., Payne, J. L.
  2017; 101 (4): 553-562

- **Patterns of basin fill in Triassic turbidites of the Nanpanjiang basin: implications for regional tectonics and impacts on carbonate-platform evolution** *BASIN RESEARCH*
  Lehrmann, D. J., Chaikin, D. H., Enos, P., Minzoni, M., Payne, J. L., Yu, M., Goers, A., Wood, T., Richter, P., Kelley, B. M., Li, X., Qin, Y., Liu, et al
  2015; 27 (5): 587-612

- **ENVIRONMENTAL CONTROLS ON THE GENESIS OF MARINE MICROBIALITES AND DISSOLUTION SURFACE ASSOCIATED WITH THE END-PERMIAN MASS EXTINCTION: NEW SECTIONS AND OBSERVATIONS FROM THE NANPANJIANG BASIN, SOUTH CHINA** *PALAIOS*
  Lehrmann, D. J., Bentz, J. M., Wood, T., Goers, A., Dhillon, R., Akin, S., Li, X., Payne, J. L., Kelley, B. M., Meyer, K. M., Schaal, E. K., Suarez, M. B., Yu, et al
  2015; 30 (7): 529-552

- **Triassic tank: platform margin and slope architecture in space and time, Nanpanjiang Basin, south China** *in Deposits, Architecture, and Controls of Carbonate Margin, Slope, and Basinal Settings, eds. Verwer K, Playton TE, and Harris PM. SEPM Special Publication 105*
  Minzoni, M., Lehrmann, D., Payne, J., Enos, P., Yu, M., Wei, J., Kelley, B., Li, X., Schaal, E., Meyer, K., Montgomery, P., Goers, A., Wood, et al
  2013: 84-113

- **Lower Triassic oolites of the Nanpanjiang Basin, south China: Facies architecture, giant ooids, and diagenesis-Implications for hydrocarbon reservoirs** *AAPG BULLETIN*
  Lehrmann, D. J., Minzoni, M., Li, X., Yu, M., Payne, J. L., Kelley, B. M., Schaal, E. K., Enos, P.
  2012; 96 (8): 1389-1414

- **Factors controlling carbonate platform asymmetry: Preliminary results from the Great Bank of Guizhou, an isolated Permian-Triassic Platform in the Nanpanjiang Basin, south China** *PALAEOGEOGRAPHY PALAEOCLIMATOLOGY PALAEOECOLOGY*
  Li, X., Yu, M., Lehrmann, D. J., Payne, J. L., Kelley, B. M., Minzoni, M.
  2012; 315: 158-171

PRESENTATIONS

- Role of basin filling patterns on the evolution of carbonate platform margin architecture - 2015 AAPG Annual Convention and Exhibition
- Syndepositional fault control on Cretaceous pre-salt lacustrine facies and diagenesis, Chihuahua Trough rift basin, West Texas - 2015 AAPG Annual Convention and Exhibition
- Sedimentologic & diagenetic analysis of microbialite-bearing lacustrine rift sequence in Lower Cretaceous Yucca Fm., Indio Moutains., West Texas-an outcrop analog to presalt microbialite reservoirs - 2014 AAPG Annual Convention and Exhibition