



DR. JOHN A. TEMPLETON

Senior Geoscientist

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Principal Areas of Expertise

Dr. Templeton's principal areas of interest and expertise include structural geology, tectonics, sedimentology and stratigraphy, geophysical interpretation, and exploration geology.

Education and Training

Ph.D., Geology, Columbia University, 2015.

M.Div., Wake Forest University, 2004.

B.S., Geology and Chemistry, University of North Carolina, Chapel Hill, 2001.

Research and Professional Experience

2021–Present: Senior Geoscientist, EERC, UND. Dr. Templeton interfaces with a diverse team of scientists and engineers to assess project uncertainties in oil and gas development and geologic CO₂ storage, including developing geophysical models of the subsurface and performing regional geological characterization, and helps lead diversity, equity, inclusion and accessibility (DEIA) efforts at the EERC.

2017–2021: Senior Geologist, Lower 48 New Ventures, ConocoPhillips. Dr. Templeton served as lead structural geologist for an exploration team focusing on Lower 48 opportunities in the Gulf Coast and Rocky Mountain basins.

2016: Senior Geologist, Permian Basin Development Team, ConocoPhillips. Dr. Templeton served as lead geologist for San Andres and Holt redevelopment on the Central Basin Platform focused on carbonate sequence stratigraphy and quantitative seismic stratigraphy.

2015: Geologist, Global New Ventures, ConocoPhillips. Dr. Templeton led a Southeast Asia regional project including Myanmar, Cambodia, and Vietnam.

2014: Intern, Subsurface Technology Clastic Stratigraphy Group, ConocoPhillips. Dr. Templeton's work focused on quantitative seismic stratigraphic interpretation of deepwater turbidite channel reservoirs in the Choctaw Basin, Gulf of Mexico.

2013: Intern, Sedimentology Research Group, Statoil, Norway. Dr. Templeton's work focused on sediment provenance of Triassic and Jurassic rift basins, North Sea, using detrital zircon thermochronology.

2011–2014: Teaching Assistant, Columbia University. Dr. Templeton served as Graduate Teaching Assistant for Plate Tectonics, Advanced General Geology, a Death Valley field course, and Introduction to the Solid Earth.

2008–2009: Assistant Teacher, Candler Elementary School, Candler, North Carolina. Dr. Templeton assisted with reading and math for second and fifth grade classrooms.

2008–2009: Interim Campus Minister, United Methodist Wesley Foundation, University of North Carolina, Asheville.

2006–2007: Youth and Children’s Minister, First Baptist Church, Spruce Pine, North Carolina.

2005–2006: Associate Campus Minister, Mars Hill College, Mars Hill, North Carolina.

Publications

Templeton, J.A., 2004, A tale of transformation – Edward Reynolds and the integration of Wake Forest College: Wake Forest University Maser’s Thesis.

Templeton, J.A., Anders, M.H., 2015, Terrane characterization and provenance analysis using combined U/Pb zircon and Ar/Ar mica: a case study from river bar deposits in the Old Red Sandstone, Scotland, *Geological Society of America Northeastern Section Meeting*.

Templeton, J.A., Fletcher, S., Phelps, C.M., Garcia, H., 2015, Deepwater Channel Architecture and Facies – a quantitative seismic attribute extraction approach to map and model a deepwater channel complex, Choctaw Basin, Gulf of Mexico, *American Association of Petroleum Geologists Annual Meeting*.

Templeton, J.A., Anders, M.H., Fossen, H., 2014, Combined detrital U/Pb zircon and $^{40}\text{Ar}/^{39}\text{Ar}$ mica geochronology to test structural models for a Devonian orogenic collapse basin in the Norwegian Caledonides, *American Geophysical Union Fall Meeting*.

Templeton, J.A., Fossen, H., Kohlmann, F., Brueckner, H., Hemming, S., 2013, From orogenic collapse to Cenozoic uplift: the history of the Hornelen basin, *Abstracts and Proceedings of the Geological Society of Norway*.

Templeton, J.A., Anders, M.H., 2011, Ramp-flat detachment extensional faulting on the Tule Springs detachment? *Geological Society of America Annual Meeting*.

Templeton, J.A., Tibbits, M.D., Glazner, A.F., Bartley, J.M., Coleman, D.S., 2000, Contact relations of two thin interpluton screens in the eastern Sierra Nevada, California, *Geological Society of America Annual Meeting*.

McHugh, Cecilia and scientific crew of RECONS cruise, including J.A. Templeton, August 2011, The offshore record of the 12 January 2010 Haiti earthquake, *Geology*.

Hornbach, M.J., and scientific crew of RECONS cruise, including J.A. Templeton, October 10, 2010, High tsunami frequency as a result of combined strike slip faulting and coastal landslides, *Nature Geoscience*.