

Friday Afternoon Geosciences Colloquium Spring Semester, 2017

*All presentations will be from 3:00-4:00 PM in the Baylor Science Building Room E-321.
A reception with refreshments precedes the presentation at 2:30 PM in the BSB E-wing clock tower room.*

Date	Speaker	Topic
January 13	Dr. Charity Lander <i>University of Oklahoma</i>	Was there life on Mars? Assessing habitability and biosignatures on the red planet
January 20	Dr. Jamey Fulton <i>Baylor University</i>	Tracing microbial biogeochemistry at the top of the critical zone in arid and semi-arid drylands
January 27	Professor Kate Freeman <i>Penn State University</i> <i>O.T. Hayward Speaker</i>	How stable is stabilized carbon in soils when the world heats up? An organic geochemist's perspective on lessons from past climates
February 3	Professor Frederick Chester <i>Center for Tectonophysics</i> <i>Texas A&M University</i>	Fault structure and flash-weakening during earthquake slip
February 10	Professor Joseph White <i>Baylor University</i>	Strange planet: Non-analogous plant-atmosphere interactions of the late Carboniferous
February 17	Professor Beth Parker <i>University of Guelph</i> <i>NSERC Industrial Research Chair, Hydrogeology</i>	Plume behavior in sedimentary rock aquifers: Using chlorinated solvent contaminants as long-term natural-gradient tracers to understand complex flow systems
February 24	Dr. Omar Harvey <i>TCU School of Geology,</i> <i>Energy & Environment</i>	Measurements of energy and energetics: What can they tell us about biogeochemical reactions in Earth's critical zone?
March 3	Professor Charles DeMets <i>University of Wisconsin–Madison</i>	High-resolution reconstructions of the Pacific-North American plate motion and implications for the Neogene tectonics of western North America
March 17	Dr. Edith Wilson <i>Research Assoc., University of Tulsa</i> <i>rockwhispererllc.com</i>	Transformation: From fossil fuels to the future
March 24	Dr. Linda Gunderson <i>Scientist Emeritus, USGS</i>	Changes and challenges in scientific integrity and ethics – An interactive dialogue
March 31	Dr. James O'Connor, USGS <i>Sigma Xi Distinguished Lecturer</i>	The Great Missoula floods of the last Ice Age
April 7	Professor Allen Glazner <i>University of North Carolina</i>	A 21 st century view of plutons
April 21	Professor John Geissman <i>University of Texas–Dallas</i> Editor-in Chief, <i>Tectonics</i>	Magnetostratigraphy of Upper Permian to Lower Triassic (?) Beaufort Group strata, Karoo Basin, South Africa: Can we “see through” the Karoo Large Igneous Province?

Links to brief descriptions of the presentations and more information about the speakers are available online via <http://croninprojects.org/Vince/ColloquiumSpring2017.html>