**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 Was there life on Mars? Assessing habitability

*University of Oklahoma* and biosignatures on the red planet

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January 20 Dr. Jamey Fulton Tracing microbial biogeochemistry at the top

*Baylor University* of the critical zone in arid and semi-arid drylands

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January 27 Professor Kate Freeman How stable is stabilized carbon in soils

*Penn State University* when the world heats up?

*O.T. Hayward Speaker* An organic geochemist's perspective

on lessons from past climates

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February 3 Professor Frederick Chester Fault structure and flash-weakening

*Center for Tectonophysics* during earthquake slip

*Texas A&M University*

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February 10 Professor Joseph White Strange planet: Non-analogous plant-atmosphere

*Baylor University* interactions of the late Carboniferous

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February 17 Professor Beth Parker Plume behavior in sedimentary rock aquifers:

*University of Guelph* Using chlorinated solvent contaminants as long-term

*NSERC Industrial Research* natural-gradient tracers to understand

*Chair, Hydrogeology* complex flow systems

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February 24 Dr. Omar Harvey Measurements of energy and energetics:

*TCU School of Geology,* What can they tell us about biogeochemical reactions

*Energy & Environment* in Earth’s critical zone?

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March 3 Professor Charles DeMets High-resolution reconstructions of the Pacific-

*University of Wisconsin–* North American plate motion and implications for the

*Madison* Neogene tectonics of western North America

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March 17 Dr. Edith Wilson Transformation: From fossil fuels

*Research Assoc., University of Tulsa* to the future

*rockwhispererllc.com*

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March 24 Dr. Linda Gunderson Changes and challenges in scientific integrity

*Scientist Emeritus, USGS* and ethics – An interactive dialogue

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March 31 Dr. James O’Connor, USGS The Great Missoula floods of the

*Sigma Xi Distinguished Lecturer* last Ice Age

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April 7 Professor Allen Glazner A 21st century view of plutons

*University of North Carolina*

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April 21 Professor John Geissman Magnetostratigraphy of Upper Permian to Lower Triassic

*University of Texas–Dallas* (?) Beaufort Group strata, Karoo Basin, South Africa:

Editor-in Chief, *Tectonics* 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>