30th UPRM Geology Symposium  
Tuesday, April 14, 2015

Oral Presentations

9:00  James Joyce  
*On the nature of the Southern Puerto Rico Fault Zone*

9:15  Ashlyann Arana  
*A detailed study of landslides and debris-flow source areas in the Northern Colorado Front Range*

9:30  Sarymar Barreto  
*A stratigraphic study of the limestone rocks present in the Island of Anguilla*

9:45  Yesenia Herrera  
*Isotopic and chemical variability of CaCO$_3$ microfacies in Early to Middle Triassic limestones*

10:00 Clark Sherman  
*Geomorphology of mesophotic coral ecosystems in Puerto Rico and US Virgin Islands*

10:15 Rolf Vieten  
*Cave breathing energizes stalagmite growth*

10:30  break

10:45 Omar Barbot  
*Life and distribution of genus Mammothus in North America*

11:00 Luis Rodriguez  
*Petrography and mineralogy of ultramafic pods in the Ruby Range, Montana with special attention to identifying accessory mineral phases, including zircon*

11:15 Viridis Miranda  
*A search for detrital shocked quartz grains from the central uplift of the Rock Elm impact structure, Wisconsin, USA*

11:30  Maya Pincus  
*Detrital minerals as proxies for ancient environments: Impact, erosion, and deposition*

11:45  Lysa Chizmadia  
*The Antarctic search for meteorites*
Poster Presentations

Francesca Toledo
*Exploratory research on road salt percolation through soil columns*

Orializ Martínez
*Improving the karst groundwater catchment area isohyet map of Rio Tanama, Arecibo, Puerto Rico, using a geographic information system*

Paola Hernández
*Visualizing the Puertorican coast in the 1930s*

Stephanie Montalvo
*Limits of detrital shocked zircon detection in a fluvial system extended to 2,000 km down from its source*

Maya Pincus
*Preservation of detrital shocked minerals in deep time: Vredefort-derived shocked grains in the 300 Myr Dwyka Group tillite, South Africa*

Victoria Rivera
*Correlation of the optical and scanning electron microscope (SEM) images of detrital monazites with planar microstructures from heavy mineral concentrates of the Namakwa Sands mine, South Africa*

Viridis Miranda
*A search for detrital shocked quartz grains from the central uplift of the Rock Elm impact structure, Wisconsin, USA*

Maria Figueroa
*A petrographic study of 'bubble texture' in zircons from the Chelmsford Formation, Sudbury impact structure, Canada*