

Everglades Geological Society

January 2017

Volume 23 Number 1

EGS Meeting: January 17th, 2017

5:30-6:00 pm: **Drinks**

6:00-7:00 pm: **Dinner**

7:00-8:00 pm: **“Sinkhole Hazards as an Aspect of Cuba’s Geology” presented by Dr. Jose Cordovez, PhD.**

ABSTRACT

Karst is associated with the presence of soluble rock materials and can develop underground cavities that generate states of instability that may lead to a break in underground vaults and develop sinkholes.

Sometimes it's hard to predict the location of a sinkhole with high accuracy even if a set of very precise techniques are used, and costly identification methods developed.

To understand the mechanism of development and formation of the sinkhole it is first necessary to comprehend basic concepts of development and evolution of karst morphology. If it's possible to predict areas most susceptible to sinkholes, then we can use this information to guide detailed geological and geophysical research and measures can be taken to minimize the hazard.

The author has developed a method of detecting probable zones of karst development. In the presentation, he demonstrates the principles of the method and some examples of the application.

PRESENTER PROFESSIONAL SUMMARY

Dr. Cordovez currently serves as recruiter and case manager at Manatee Technical College in Bradenton. He comes to us with over twenty years of experience with geotechnical issues, hydrology, environmental geology, karst evaluations, geologic hazards, geodesy, digital terrain modeling and remote sensing. He has a doctorate in Remote Sensing and GIS from the Technical Institute Jose Marti, Havana, Cuba and undergraduate degrees in geology and geodesy.

Dr. Cordovez previously worked at the Cuban Ministry of Science Technology and the Cuban Institute of National Water Resources. He has also been a statistics professor of Environmental Mastery at Oscar Lucero Moya University, Holguin, Cuba, and served in the Ministry of the Environment and Natural Resources of El Salvador.

LOCATION:

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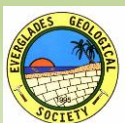
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Message from The Vice President

Best wishes as we enter the New Year.

I encourage all members of record to make a serious effort to attend the next meetings of our geological society. I also encourage all who receive this communication, who have yet to become “official members”, to join the organization. The society needs you and the geologic profession needs and will benefit with everyone’s active participation.

In order to encourage increased participation, we are trying a new meeting location. The next few meetings, hopefully, will be at the Olive Garden, located at **12870 Cleveland Avenue, Ft Myers**. You will enjoy parking in proximity to the door, a private meeting room, and good food and drink at reasonable prices. The meeting will start with drinks at 5:30, dinner at 6 pm and our speaker at 7 pm. The Olive Garden is providing the meeting room at no cost but with the expectation that 15 to 20 members will be present and that we will purchase something (enough to make it worth their while). Most other venues that I have checked, want \$300 to \$500 for use of their private dining rooms and offer “special Menus” with entrees starting at about \$25, so we need to demonstrate our gratitude to Olive Garden by showing up in numbers and spending some money. The restaurant has an extensive menu and you may select whatever you like. There are several menu items under \$10.

It is our intent in going forward, to try to maintain our meeting schedule in accordance with our by-laws on the third Tuesday of January, March, May, September and November. Our next meeting is January 17, 2017. Our future speakers are: Dr. Jose Cordovez presenting “Sinkhole hazards as an Aspect of Cuba’s Geology” in January (see first page of newsletter), David Harro, G3 Group, Odessa, FL presenting “**New Deep Geophysical Imaging Technology on the Horizon**”, and our own David Kluesner presenting “**Seasonal Erodibility and Bioturbation of Mixed Muddy Cohesive Sediments in the Caloosahatchee River of Southwestern Florida**”.

Finally, it is a new year, thus annual dues need to be paid.

See you, Tuesday 17th January

Mike Mitchell

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