

American Institute of Chemical Engineers, Cleveland Section



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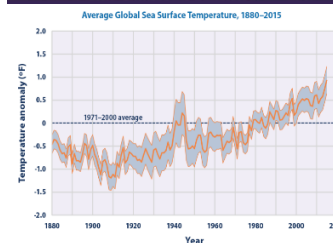
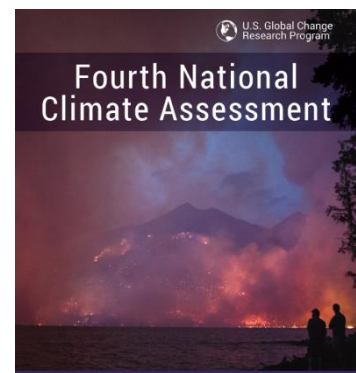
and let colleagues know it is available

**Thursday, May 21, 2020**



**JOSEPH D. ORTIZ**

Geology  
Professor and Assistant Chair  
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Data source: NOAA National Oceanic and Atmospheric Administration, 2016. Retrieved reconstructed sea surface temperature (SST) data. National Centers for Environmental Information. Accessed March 2016. [www.noaa.gov/data-access/sea-surface-temperature](http://www.noaa.gov/data-access/sea-surface-temperature).

## Regional and Global Impacts of Climate Change

Climate change is expected to have considerable impacts on the environment and society. This talk will explore the evidence for climate change from a geologic perspective, assess model skill and potential impacts at the global and regional scale looking back to the 1850 CO<sub>2</sub> atmospheric experimental data generated by Eunice N. Foote. Dr. Ortiz will be discussing material from the 4<sup>th</sup> National Climate Assessment and present from the IPCC Special report on 1.5 Deg C Warming. Reference: [www.nca2018.globalchange.gov](http://www.nca2018.globalchange.gov)

**Dr. Joseph D. Ortiz** has training in Aquatic Biology and Oceanography, he works at the interface between sciences unraveling climate mysteries, exploring the relationship between sedimentary strata, and helping to improve water quality using electromagnetic sensing techniques. He is a Fellow of the Geological Society of America, and a member of the Hudson Environmental Awareness Committee.

His primary research interest is in the area of paleoclimate. He studies sedimentary records to extract climate-related information on seasonal to glacial-interglacial time scales. He employs methods ranging from marine micropaleontology to light isotope geochemistry and core & well logging to decipher Earth's climate record.

His expertise lies in Sedimentology, Climate Change, Well Logging Energy/Sector, Water Quality, Environmental Geology, Environmental Well and Core Logging, Climate, Environment, diversity in STEM education, geoscience STEM education, diversity and intercultural dialogue, interconnections of human organizations and social groups.

His affiliations are with the American Geophysical Union (AGU), Oceanography Society (TOS), Geological Society of America (GSA), Sigma Xi (scientific research honor society), American Quaternary Association (AMQUA), National Association of Geoscience Teachers (NAGT), Northern Ohio Geological Society (NOGS)

**Meeting Location:** Zoom venue meeting from your home location, RSVP attendees will receive further information the day of the event (you will receive an email with http Link for your PC, or a meeting ID and password for your Smart Phone from Dr. Ortiz just before the 4 pm May 21 Zoom meeting). During the meeting please mute your microphone so we hear only Dr. Ortiz, and when we begin the question and answer portion of the meeting please enable your microphone for your comments and or questions. Thank you.

**Presentation:** 4:00 pm – 5:00 pm

**Dining:** Take-Out Home Delivery (at your own accord)

**Cocktails:** BYOB (Bring Your Own Bottle)

**Cost:** Please download a free Zoom Application from the Zoom website to your PC or Smart Phone and follow attached procedures.

**RSVP by May 18<sup>th</sup> with Joe Yurko at [j.yurko@sbcglobal.net](mailto:j.yurko@sbcglobal.net)**

