

# 1. Geology of our National Parks: by Dr. Joy Mast

Thursday, June 14<sup>th</sup> from 10am to 12 noon in Molinaro, Room D139



Geology of our National Parks will highlight how parks are formed by tectonic activity, mountain building, glaciation, and erosion. The class will explore the origins of geologic features in America's national parks, including Death Valley, Grand Canyon, Mount Rainier, Yosemite, Olympic, Great Smokey Mountains, U.S. Virgin Islands, Hawaii Volcanos, Rocky Mountain, Glacier, and Denali.

# 2. The Great Lakes Basin: by Mathew Zorn, Ph.D

Thursday, June 21<sup>st</sup> from 10am to 12 noon in Molinaro, Room D139

This interactive presentation focuses on the formation of the Great Lakes, some history of the waxing and waning of these water bodies, with a look at Lake Michigan in a bit more depth. Geology, weather, climate, and vegetation are just some of the aspects of the lakes that will be examined.



**Questions? Call Martha Krimmer at 262-554-8122 or email to [mkrimmer2@wi.rr.com](mailto:mkrimmer2@wi.rr.com)**

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## **Geology**

Members \$10    Guests \$20

Register by June 1, 2018

Name \_\_\_\_\_ Check # \_\_\_\_\_

Email \_\_\_\_\_ Phone \_\_\_\_\_

Emergency contact name & phone \_\_\_\_\_

Deliver **cash** registration to the ALL office in Tallent Hall. **Checks** payable to UW Parkside/ALL; deliver or mail to Vanessa. **Credit card** registration for members must be submitted online; an email with a member registration **LINK** will be sent around the 1st Monday each month. NO online credit card registrations can be accepted for guests. As registrations fill, members get preference in signing up.



### **Dr. Joy Mast**

Dr. Joy Mast is a Professor in the Department of Geospatial Science at Carthage College. She was an Associate Professor at Northern Arizona University in Flagstaff, Arizona, before her Carthage appointment in 2002. Professor Mast teaches courses in the geology of national parks, biogeography, soil science, forest ecology, and geoscience field methods, as well as trip courses to Belize and the Grand Canyon. She earned her B.S. in geography and zoology from the University of Wisconsin-Madison, and her M.S. and PhD. in geography from the University of Colorado-Boulder. Among her current research projects, Prof. Mast is studying disturbances in the American Southwest and the Rocky Mountains related to crown fires, insect epidemics, and severe droughts.

### **Matthew Zorn, Ph.D.**

Matthew Zorn, Professor of Geospatial Science, has been at Carthage College since 1997. He has taught a wide variety of courses over the years, including an upper-level course on hydrology and a midlevel course on The Great Lakes Basin. Continuing on the water theme, he travels with a colleague and nearly 100 students to Ometepe Island, Nicaragua, where he helps students with real-world water projects that help bring water to some of the poorest people in the western hemisphere. This work is leading into the application of small unmanned aircraft systems at the project sites and Dr. Zorn now teaches an introductory course on the topic of SUAS in the Geosciences on the Carthage campus.

