



SPRING 2016 SEMINAR SERIES

DEPARTMENT OF OCEAN, EARTH, AND ATMOSPHERIC SCIENCES
3PM – ROOM 200 IN THE OCEANOGRAPHY/PHYSICS BUILDING
THURSDAY MARCH 24th, 2016

"Experimental Microbial Sedimentology: Seeing the processes that shaped enigmatic sedimentary structures".

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ABSTRACT

The siliciclastic and carbonate rock record of all ages is populated by sedimentary structures that testify the presence of life, in particular the presence of microbial mats. However, the use of these structures as biological and environmental indicators is limited by the lack of understanding of the biophysical mechanisms that built them. Here, using novel laboratory experiments, I will discuss the formation of various microbially-induced sedimentary structures and the consequent implications. This talk will span topics ranging from hydrodynamics, sediment transport, nutrient dynamics in the sediment subsurface and microbial growth.

AFTER THE SEMINAR, PLEASE JOIN US IN ROOM 404, THE ZANEVELD CONFERENCE ROOM, FOR COFFEE AND COOKIES, AND TO MEET WITH THE SEMINAR SPEAKER.