

SEMINAR

2024 ROSENSTIEL AWARD RECIPIENT: **TIMOTHY A. GOUDGE**

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“USING REMOTE SENSING TO CONSTRAIN PLANETARY SURFACE PROCESSES: FROM ANCIENT MARS TO MODERN EARTH”

Remote sensing data provide a landscape-scale view of planetary surfaces, and can offer unique insight into a wide array of geoscience problems. In this talk I will present results from two projects that showcase how remote sensing data can be used to study surface processes on both Earth and Mars. The first project focuses on constraining the spatial patterns of river valley erosion on ancient Mars (>3.5 Ga), with an aim towards understanding past hydro-climate variability. The second project centers on work to constrain the behavior of the coastal Rio Grande river subsequent to dam construction in the 1950s, which is a surprisingly under-studied system despite its importance for industry and agriculture in both the United States and Mexico.

WHEN

February 26, 2024
4pm – 5pm

Where

Rosenstiel School Auditorium

• **Please join us for a reception right after the seminar at the breezeway in front of the Auditorium.** • **Reception starts at 5:00pm** •



WELCOME RECEPTION

WHERE

**Breezeway in front of
Auditorium**

WHEN

February 26, 2024
5:00pm – 6:15pm

UNIVERSITY OF MIAMI

ROSENSTIEL SCHOOL of
MARINE, ATMOSPHERIC
& EARTH SCIENCE

