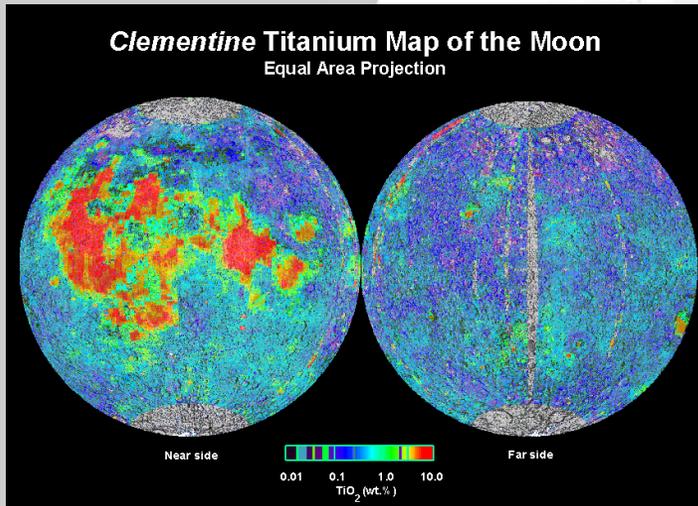


# You are NOT in the Witwatersrand Anymore: Lunar Resource Economic Geology

Dr. Daniel Britt

[ Monday, April 25<sup>th</sup>, 2022 @ 16:00 – Online en <https://bit.ly/3JWqb4N> ]



The **exploitation and mining of extraterrestrial resources** is leaving the domain of visionaries and entering the era of practical applications and business cases. Essential to this industry is to **understand the nature of these resources**, how they differ from terrestrial ore bodies, the **strategies driven by extraterrestrial economic geology**, and the physical properties of alien surfaces that will set the context for mining technology development.

Step #1... forget EVERYTHING you think you know about terrestrial mineralization. It is either irrelevant or misleading.

**Daniel Britt** is the **Pegasus Prof. of Astronomy and Planetary Sciences at the Dep. of Physics, U. of Central Florida**. He was educated at the U. of Washington and Brown U., receiving a Ph.D. in Geological Sciences from Brown in 1991. He has had a varied career including service in the US Air Force as an ICBM missile launch officer and an economist for Boeing before going into planetary sciences. He has served on the science teams of four **NASA** missions, Mars Pathfinder and Deep Space 1, the New Horizons, and the Lucy. He was the project manager for the camera on Mars Pathfinder and has built hardware for all the NASA Mars landers. He currently does research on the physical properties and mineralogy of asteroids, comets, the Moon, and Mars under several NASA grants and is the director of the Center for Lunar and Asteroid Surface Science (CLASS), a node of NASA's Solar System Exploration Research Virtual Institute (SSERVI). He has served as the **Chair of the Division for Planetary Sciences of the American Astronomical Society and the Planetary Geology Division of the Geological Society of America**. Honors include **7 NASA Achievement Awards**, election as a **Fellow of the Meteoritical Society**, and an asteroid named after him; **4395 DanBritt**.

