

# USF NEXUS INITIATIVE 2019 AWARD RECIPIENT

**Ivan Oleynik**

*Mineral Physics of the Lunar Core*

This UNI project will initiate collaborative research between PI, Ivan Oleynik and his Swedish counterpart, Anatoly Belonoshko, Royal Institute of Technology. The objective of the project is to advance our fundamental understanding of the structure and composition of the very interior of the Moon, by developing a first-principles thermophysical model of the Moon's core. The visibility and transformative impact of the research will be achieved through joint publications in high profile journals as well as joint grant submission to US-Sweden national funding agencies.

**Partnership:**

**Anatoly Belonoshko, Ph.D.**

KTH Royal Institute of Technology (Stockholm, Sweden)



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