

WATER IN OUR SOLAR SYSTEM

**Annual Duncan Memorial Lecture
Thursday, April 18, 2019, 5 p.m.
Sciences Center Auditorium**

**Dr. Dennis Bodewits
Auburn University, Department of Physics**

Ekaterina Smirnova, artist



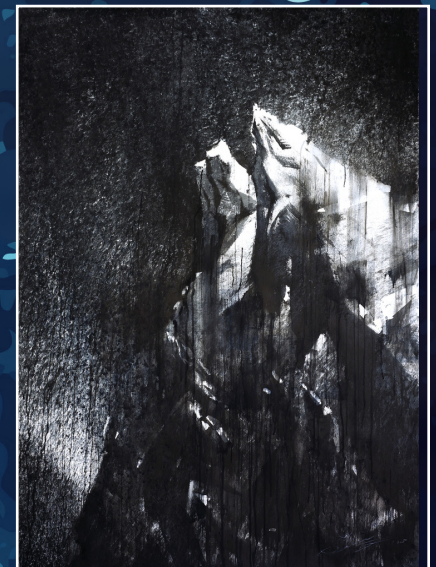
*Dr. Dennis Bodewits
Associate Professor*

The famous “Pale Blue Dot” photo taken of Earth as just a single pixel from almost four billion miles away by the Voyager spacecraft signifies the importance of water and how it covers more than 70 percent of our planet. This water is essential for life on our planet. We now know that there is or was on many places in the solar system – including, Mars, moons, asteroids, and comets.

Hear directly from Auburn University’s Dr. Dennis Bodewits, an astrophysicist who recently spent two days using the Hubble Space Telescope and other leading facilities around the world to conduct research on Comet 46P/Wirtanen. He will share the study of the origins and the fascinating history of water in our solar system.

This year’s lecture will also feature artwork based on photos taken from the Rosetta spacecraft painted in 30 - 40 layers to achieve a specific, unique texture to represent water. Ekaterina Smirnova, a Seattle-based artist, will share her insight about how science inspires her artwork.

The Duncan Memorial Lecture, established in 2012 by Dora Duncan '48 in chemistry, commemorates her husband, M.M. “Dunc” Duncan, '49, a physics alumnus. It is a free, annual astronomy lecture open to the entire community.



*Artwork by Ekaterina Smirnova
67P VIII Claudia Alexander Gate*

The lecture is held in the Sciences Center Auditorium Building. Free parking is available for all guests on the fourth floor of the stadium parking garage off Duncan Drive.

Ekaterina Smirnova’s artwork is on display at the Jule Collins Museum of Fine Art located at 901 College Street.

