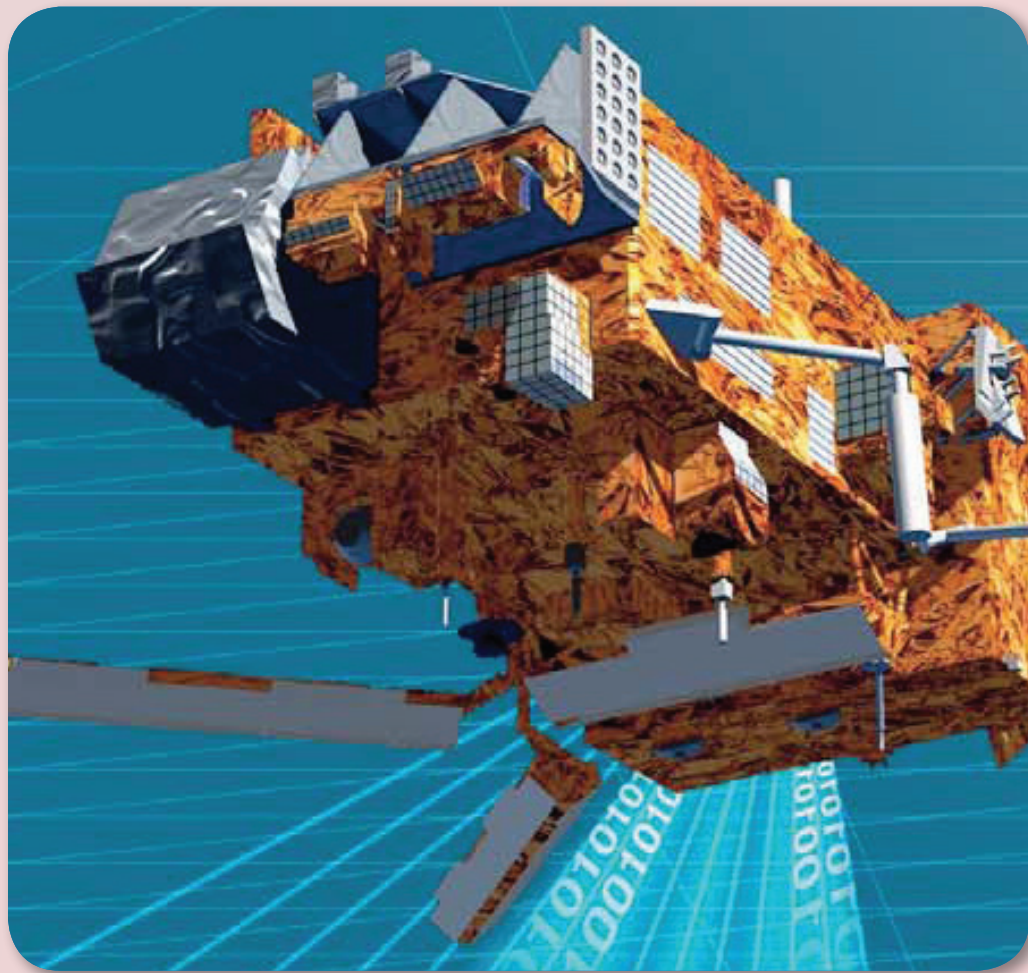


Finding Our Way: Navigation & Remote Sensing

Using hands-on activities and unique props, visitors explore navigation, its history and tools, and see how satellites are used to track sea turtles that have been fitted with transmitters to monitor post nesting migration and collect data on the turtle's immediate surroundings.



Sea Turtles and Navigation

Research integrating living organisms and satellite technology lets scientists examine species in real-time. This technology is invaluable for pinpointing the exact location of critically endangered organisms like whales, manatees, and sea turtles. It also speaks to navigation throughout history.

Theodora Pinou, associate professor at Western Connecticut State University, has been investigating the migration patterns of olive ridley turtles in Mexico. Through international nest monitoring and sea turtle conservation, Pinou and her students have tagged sea turtles and monitored nesting in an effort to estimate the location of sea turtles.



This has provided a unique opportunity for teaching students about ecology, conservation, biodiversity, and technology. Satellite technology is used to generate maps that reflect sea surface temperatures and currents as turtles travel between their nesting and foraging grounds in the Atlantic and Pacific Oceans.

Scott Graves, associate professor at Southern Connecticut State University, works on mapping applications for environmental education. He uses technology and visualization to represent what are otherwise complex natural phenomena.

Learn more...



Exhibits with these labels support the content of this program.

www.CTScienceCenter.org/i4

Scientist Bios

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