

## EXPLORING OUR PLACE IN THE UNIVERSE

### A VOYAGE WITH ARAM FRIEDMAN

**RESCHEDULED FOR FRIDAY, APRIL 4  
CAMPUS CENTER BALLROOM B**



Our most powerful observatories can detect objects out to 13 billion light years. But theory suggests we should see more. Why don't we? What will it take to peer into the darkness? What will we find? With the aid of the Micro Dome real-time simulator he has created, Aram Friedman will lead a voyage from Earth to the "edge" of the observable universe at NJIT.

Friedman spent 30 years as a broadcast and post-production engineer in New York City, designing and maintaining facilities for ABC, NBC and CBS. He has also built custom electronics and software for movie special effects.

In 1998, Friedman was asked to design and supervise new construction at New York City's Hayden Planetarium. Two years and \$6 million later, visitors to the planetarium were taken on a real-time journey to the edge of the observable universe. Today, using a portable simulator of his own design, Friedman explores the universe with students throughout New Jersey. Friedman also teaches for Northrop Grumman, prime contractor for the James Web Space Telescope, the space-based observatory that will replace the aging Hubble.

On June 5, 2012, as part of a Williams College expedition, Friedman recorded the last transit of Venus in this century. His recording is now part of the permanent record of the American Astronomical Society, National Geographic Society and the BBC.

Seating is limited to 50 for each of the 45-minute presentations that Friedman will make on April 4: 11:30 a.m., 12:30 p.m., 1:30 p.m., 2:30 p.m., 3:30 p.m.

Sign up for one of the sessions at [www.njit.edu/universe](http://www.njit.edu/universe) or use the QR code.



**For More Information:** Contact Jay Kappraff, [jay.m.kappraff@njit.edu](mailto:jay.m.kappraff@njit.edu) or 973-596-3490

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