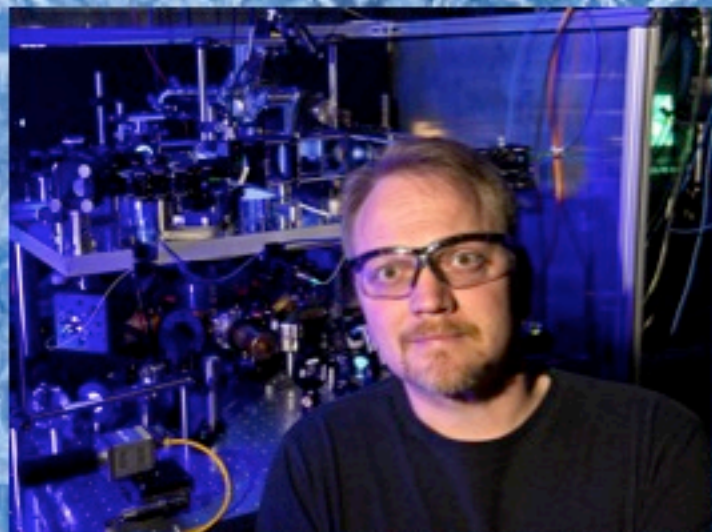


A DC Science Café Event...

Exotic tales from the coldest place in the universe



Your fridge keeps your milk from spoiling and your freezer converts the water in your ice trays into ice cubes that make your summer drinks cold. If your fridge could keep getting colder, when it dipped to -109 degrees, the carbon dioxide inside of it would form into a frost of dry ice. At -362 F oxygen would freeze into solid oxygen ice. But what happens at temperatures colder than the most remote places in outer space? How could you cool something down to that ultimate degree? Join physicist **Trey Porto** of the Joint Quantum Institute as he answers these questions and more about the world of the ultra-cold. Find out how lasers can be used to produce the coldest temperatures in the universe, and how studying the world at these cryogenic temperatures can open pathways to next-generation GPS technology, atomic clocks that would not lose a second for 10 billion years, quantum computers, and new exotic states of matter.

Tuesday, June 24, 2014

6:30 - 8:30 pm

Busboys and Poets, 5th and K St.
NW, Washington, DC

www.busboysandpoets.com/about_5th.php

For info, contact Ivan Amato:
DCScienceCafe@dcswa.org

Free and open to the public.