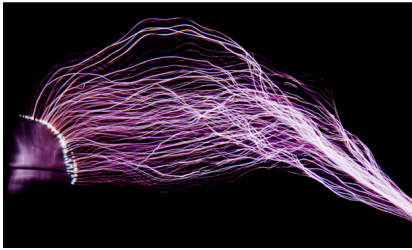


The Beauty of Flow Visualization

Exhibiting:

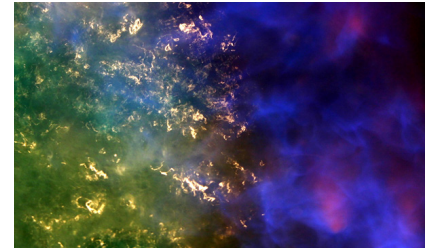
Fiske Planetarium: August 28-Oct. 18th
 ATLAS Institute: October 26-Nov. 30th
 Visit: www.colorado.edu/MCEN/flowvis/



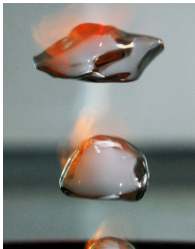
Diverge/Converge: A Tesla coil creates plasma that arcs through air. *Mark Reusser, Larissa Rhodes, William Murray and Brian Hancz*



Flying Flames: A spray of WD-40 is ignited by a candle, barely visible in the center. *Jake Dembeck, Robert Irmiger, David Levine, John Miller and Brittany Moore*

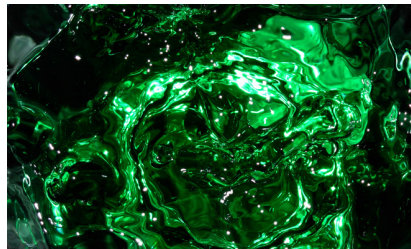


Worlds Colliding: A layer of rubbing alcohol burns on top of vegetable oil, on top of dyed boiling water in a pot on a stove. *James Kostrzewa*

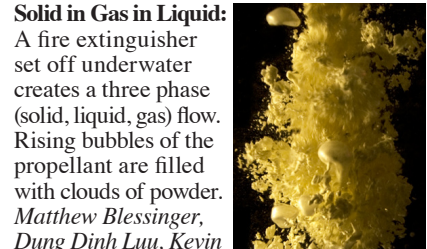


Opal Essence: Dry ice placed underwater forms bubbles of CO2 filled with water fog. The bubbles are illuminated by a flash. The room lights made the red smear while the shutter was open. *Amanda Barnes, Sean*

Hulings, Mu Hong Lin, Vanessa Ready and Brian Roche



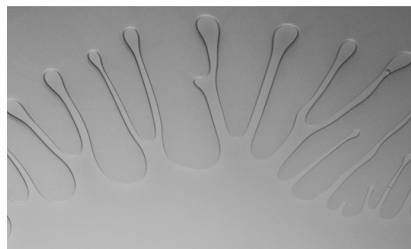
Burbling: Dyed water, excited by a loudspeaker from below. *Jake Dembeck and David Levine*



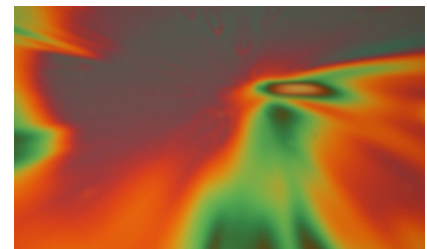
Solid in Gas in Liquid: A fire extinguisher set off underwater creates a three phase (solid, liquid, gas) flow. Rising bubbles of the propellant are filled with clouds of powder. *Matthew Blessinger, Dung Dinh Luu, Kevin McCoy and Joseph VanAmberg*



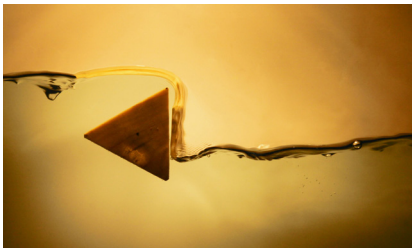
Catenary on a Cold Steel Rod: Water droplets hang from a cylinder, held by surface tension. The droplets, formed by gravity and surface tension, are almost catenary shapes, acting as lenses. *Amanda Barnes*



Oil Fingering: Looking down on a thin layer of oil sandwiched between sheets of plastic, air was pulled into oil as the top sheet of plastic was lifted. *Erik Hansen, Phil Bollam, Justin Cohee, Barry Whittaker and Hsin-Jui Wu*



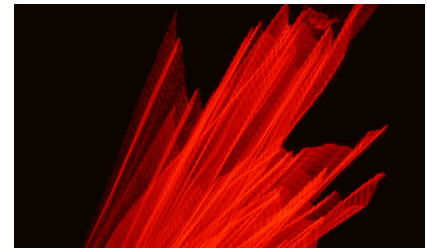
Spin...Color: Colors caused by interference of light waves show thickness variations in a thin layer spin-coated onto a silicon wafer. The center of the spin is near the middle of the image. *Mu-Hong Lin*



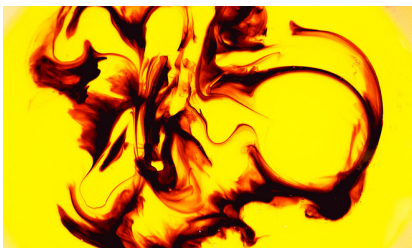
Flow Over: A surge of water pours over an obstacle during the filling of a water channel. *Kaite McNally, Shane Fagan, Megan Firestone and Eli Luke*



Oobleck: Pouring a cornstarch/water mixture shows non-Newtonian behavior, as the faster moving fluid is 'stiffer' than the slower, pooled mixture. *Robert Irmiger*



Interstices: Time exposure of colored wavy strings moving in the air turbulence created by a box fan. *Derek Paul*



Flow Orange: Ultra dish soap poured over food dye on a plate. *Megan Firestone*



Water Talks: Droplet splashes rebound into Worthington jets. *Chris Bonilha*



Smoke Curls: Rising smoke curls under a spoon. *Kaite McNally*