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For Immediate Release

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Gallery of Fluid Motion: Evocative images and animations bring the science of fluid dynamics to life

Baltimore, Md., Nov. 16 – The beauty of science often is contained in elegant formulas or compelling data. For the study of fluid dynamics, fortunately, that beauty also is manifest in stunning images and enticing animations of interesting phenomena. These images and animations also provide important scientific insights into the complex flow of materials under a wide variety of conditions.

Every year, the American Physical Society's (APS) Division of Fluid Dynamics (DFD) hosts posters and videos that show stunning images, graphics, and videos from either computational or experimental studies of flow phenomena. The most outstanding entries are selected by a panel of referees for artistic content and honored for their originality and ability to convey information. To further highlight this important work and to draw attention to the breadth and impact of fluid dynamics research, a subset of these images and videos has been made available for viewing prior to the judging process.

This preview gallery is part of the APS/DFD Virtual Press Room, which highlights research to be presented at the *64th APS Division of Fluid Dynamics Annual Meeting*, held from November 20-22, 2011, in Baltimore, Maryland. These images were selected for their evocative qualities, artistic merit, and ability to represent complex physics concepts in an easily approachable manner.

Images include simulations of roiling colors in a turbulent environment, the bouncing of balls in puddles, the darting tongue of a hummingbird, and the careful trapping of a single red blood cell. Animations include the complex freezing of a droplet of water, the flight of a waterlilly beetle, and the elegant motion of two entangled water jets.

The complete galleries can be viewed here:
http://www.aps.org/units/dfd/pressroom/gallery/index.cfm
http://www.aps.org/units/dfd/pressroom/videos/index.cfm

Reporters seeking permission to use these images or author contact information should contact Charles Blue (*cblue@aip.org*).

MORE MEETING INFORMATION
The 64th Annual DFD Meeting is hosted by the Johns Hopkins University, the University of Maryland, the University of Delaware and the George Washington University. Howard University and the U.S. Naval Academy are also participating in the organization of the meeting. It will be held at the Baltimore Convention Center, located in downtown Baltimore, Md. All meeting information, including directions to the Convention Center, is at:
http://www.dfd2011.jhu.edu/index.html

USEFUL LINKS
Main Meeting Web Site: *http://www.dfd2011.jhu.edu/index.html*
Search Abstracts: *http://meeting.aps.org/Meeting/DFD11/Content/2194*
Directions and Maps: *http://www.dfd2011.jhu.edu/venuemaps.html*

PRESS REGISTRATION
Credentialed full-time journalists and professional freelance journalists working on assignment for major publications or media outlets are invited to attend the conference free of charge. If you are a reporter and would like to attend, please contact Charles Blue (cblue@aip.org, 301-209-3091).

SUPPORT DESK FOR REPORTERS
A media-support desk will be located in the exhibit area. Press announcements and other news will be available in the Virtual Press Room (see below).

VIRTUAL PRESS ROOM
The APS Division of Fluid Dynamics Virtual Press Room features news releases, graphics, videos, and other information to aid in covering the meeting on site and remotely. See:
http://www.aps.org/units/dfd/pressroom/index.cfm