

Summer 2013

NSF Research Experience for Undergraduates Program

In Fluid Mechanics with Analysis using Computations and Experiments (FM-ACE)

10 WEEK SUMMER INTERNSHIP

OPEN TO PHYSICS AND ENGINEERING MAJORS

APPLY ANYTIME BEFORE MARCH 13, 2013 Apply EARLY and get accepted EARLY!

On-campus housing at no cost is available for the first six accepted applicants that request it.

EARN \$5000 and EXPENSE PAID TRIP to present your research at the APS FLUID DYNAMICS MEETING in PITTSBURGH in November!

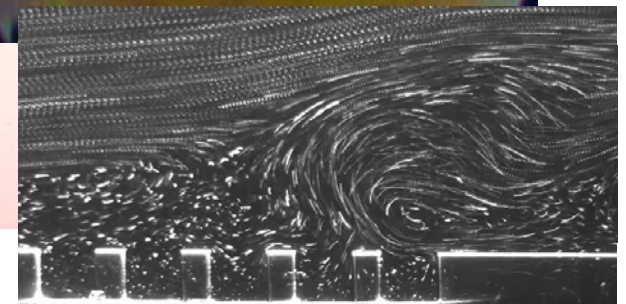
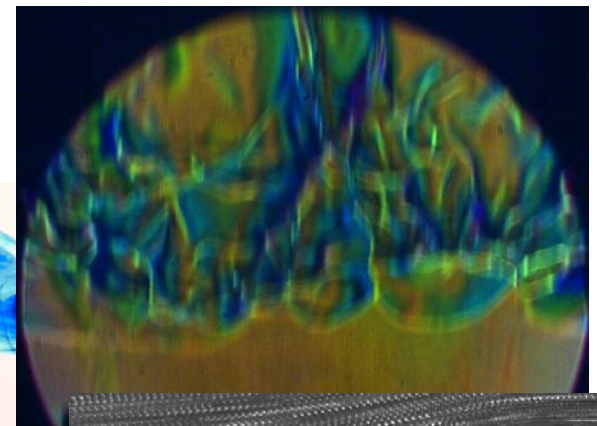
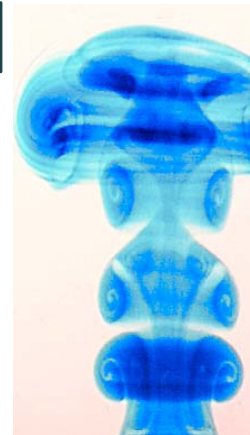


National Science Foundation
WHERE DISCOVERIES BEGIN

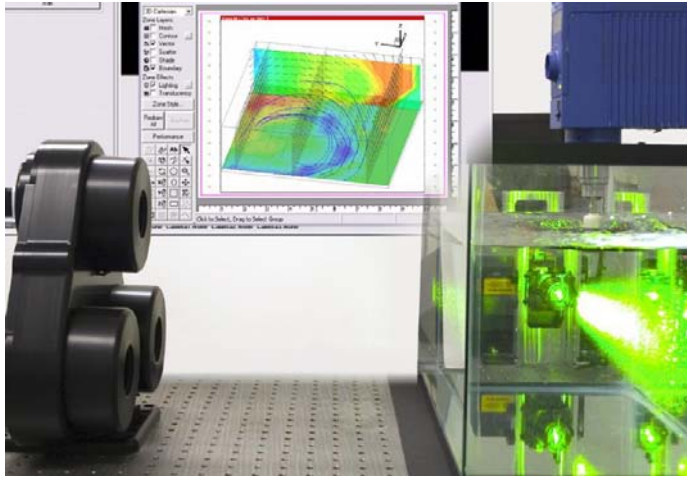


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BY THE

UNIVERSITY OF ALABAMA
College of Engineering



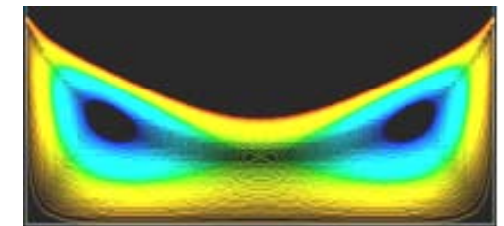
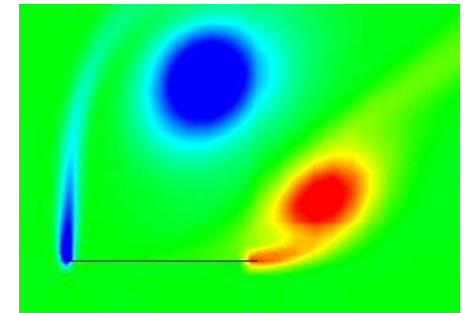
USE STATE-OF-THE-ART TECHNIQUES SUCH AS...



**DIGITAL PARTICLE IMAGE
VELOCIMETRY**
(including our new
volumetric 3-D V3V
systems)



**RAINBOW SCHLIEREN
DEFLECTOMETRY
(RSD)**



**COMPUTATIONAL
FLUID DYNAMICS
(CFD)**

SAMPLE PROJECT AREAS INCLUDE:

- MICRO-AIR VEHICLES
- BIOMEDICAL APPLICATIONS
- BIO-INSPIRED FLOW CONTROL
- COMBUSTION STUDIES

**MORE DETAILS AND
APPLICATION ONLINE!
reu.eng.ua.edu/programs/fm-ace
Women and minorities are
strongly encouraged
to apply!**