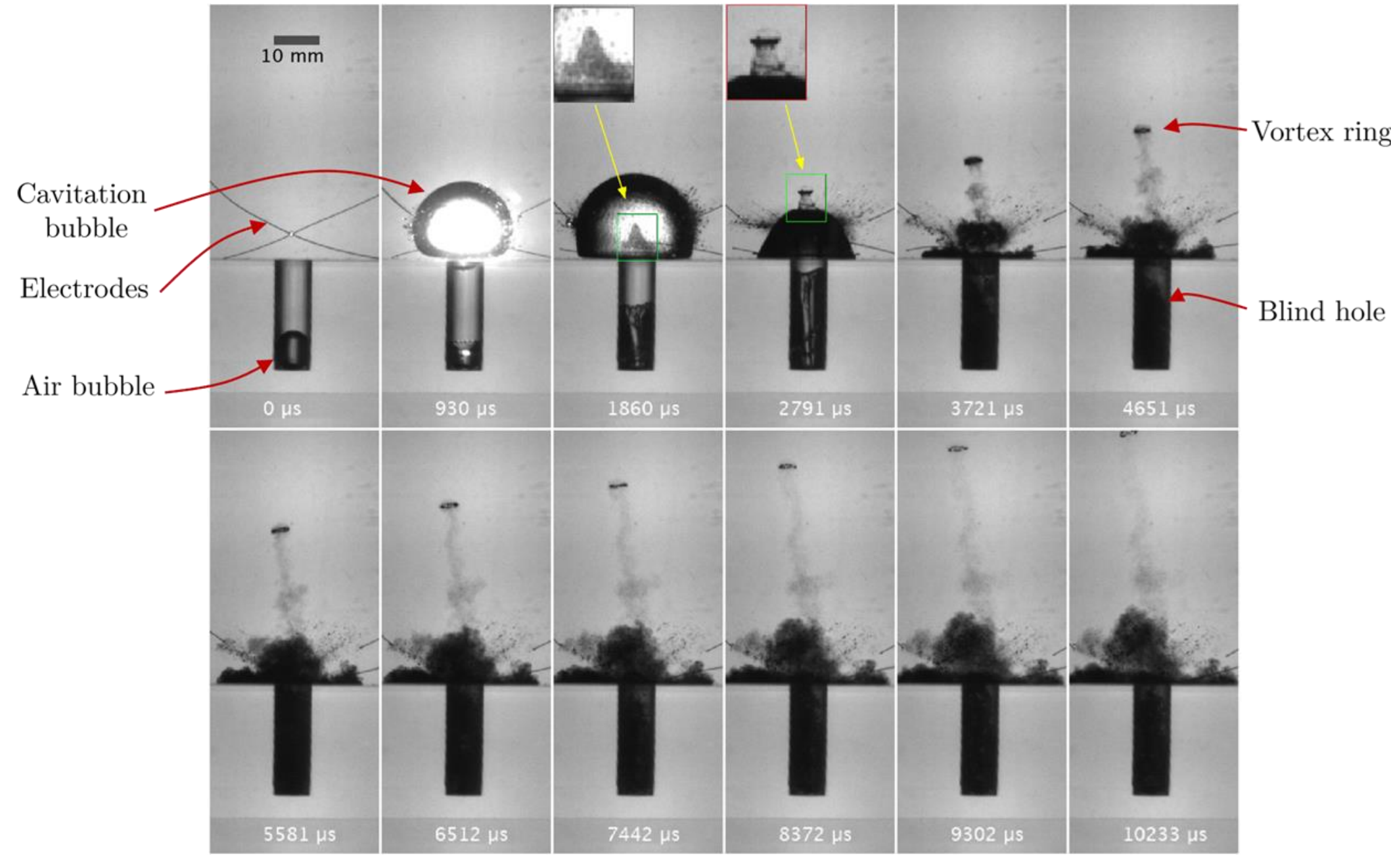
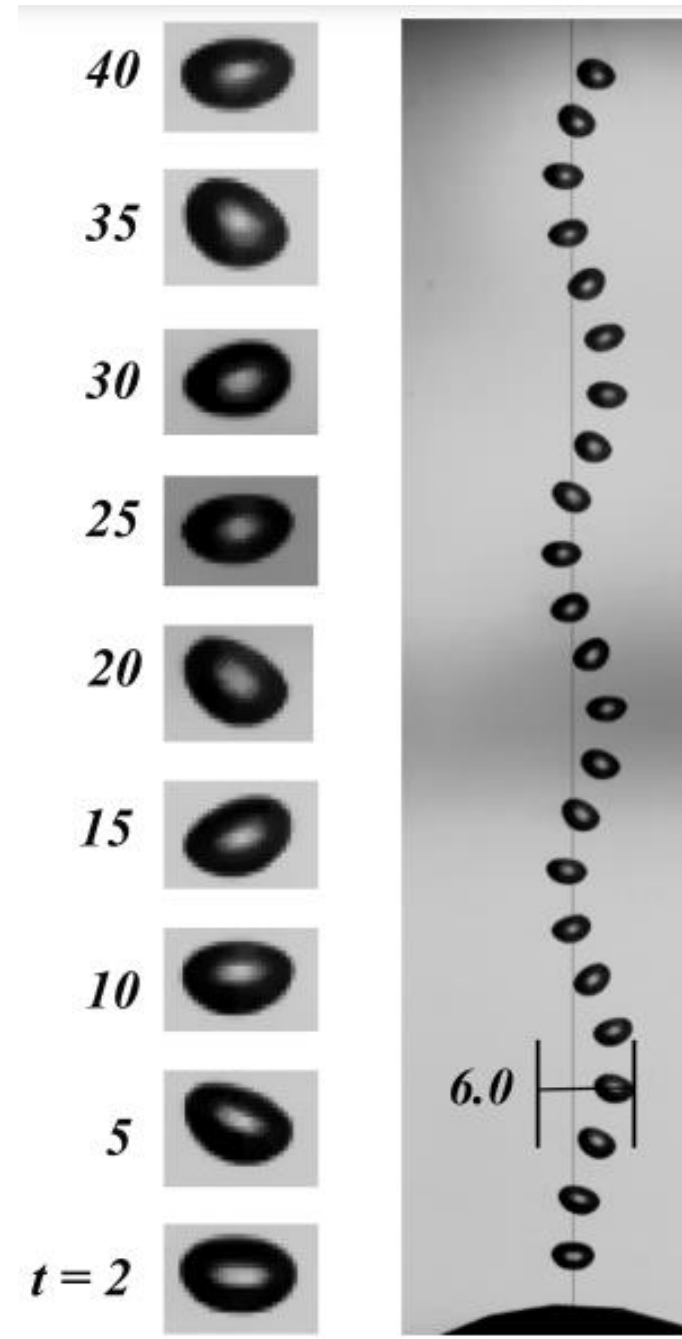




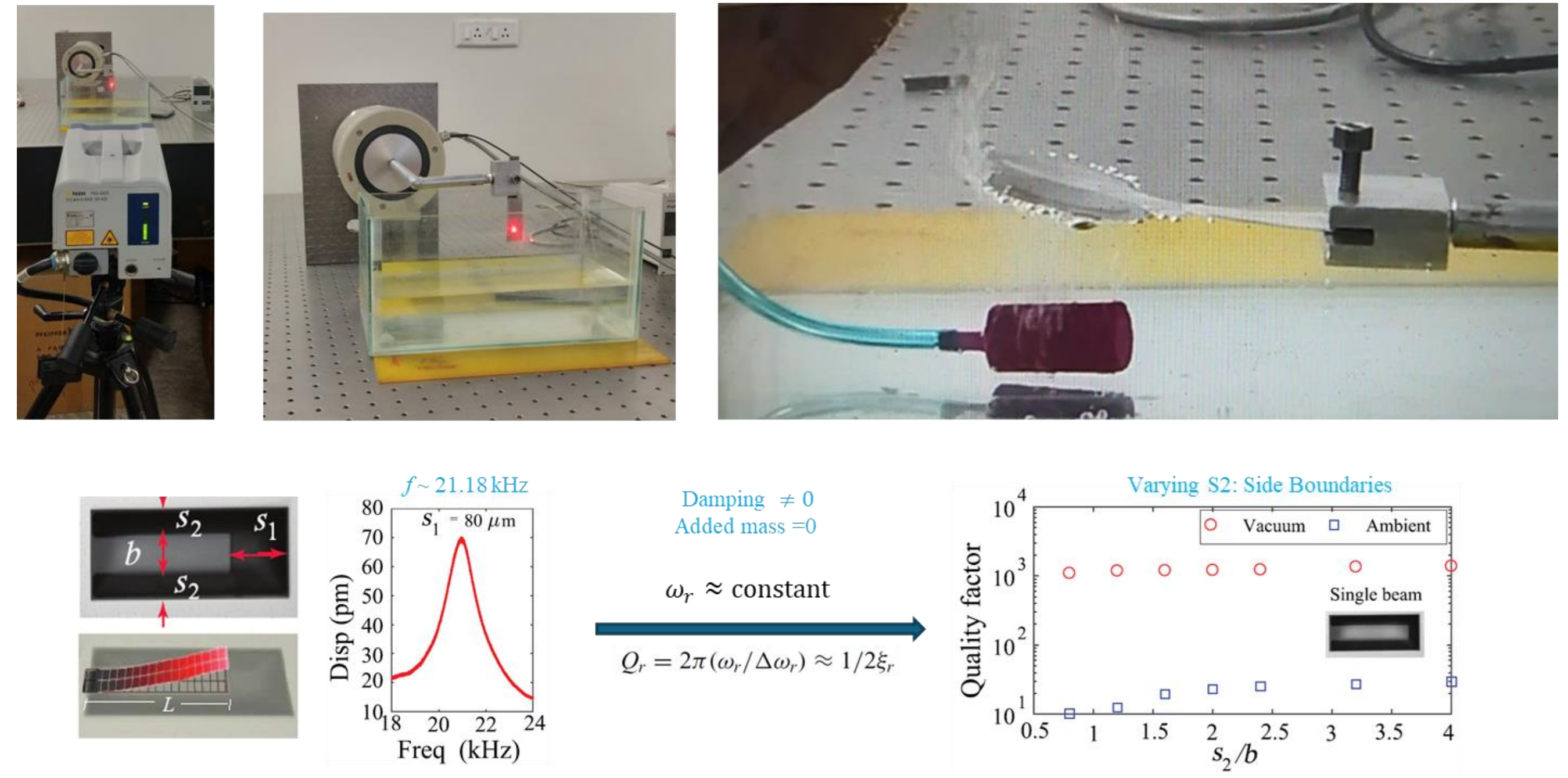
# Experimental Fluid Mechanics and Heat Transfer



Vortex ring formation from the interaction of a cavitation bubble with an air bubble in a blind hole

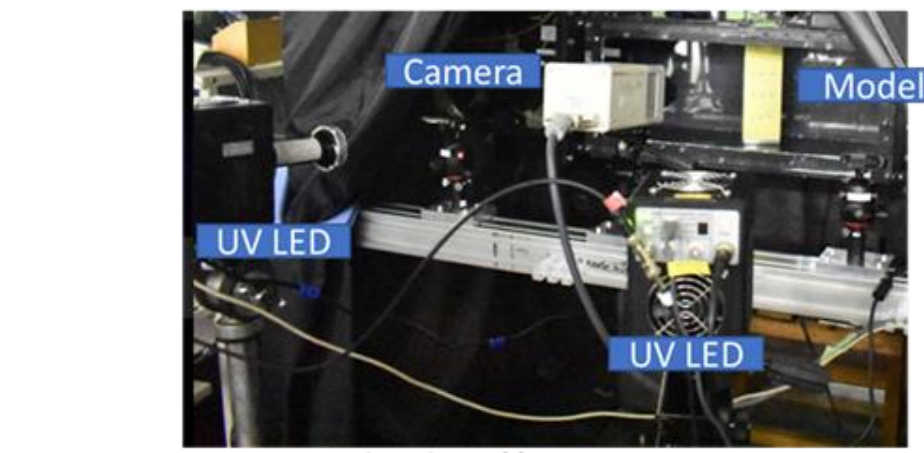


Experimental observation of a rising air bubble in water

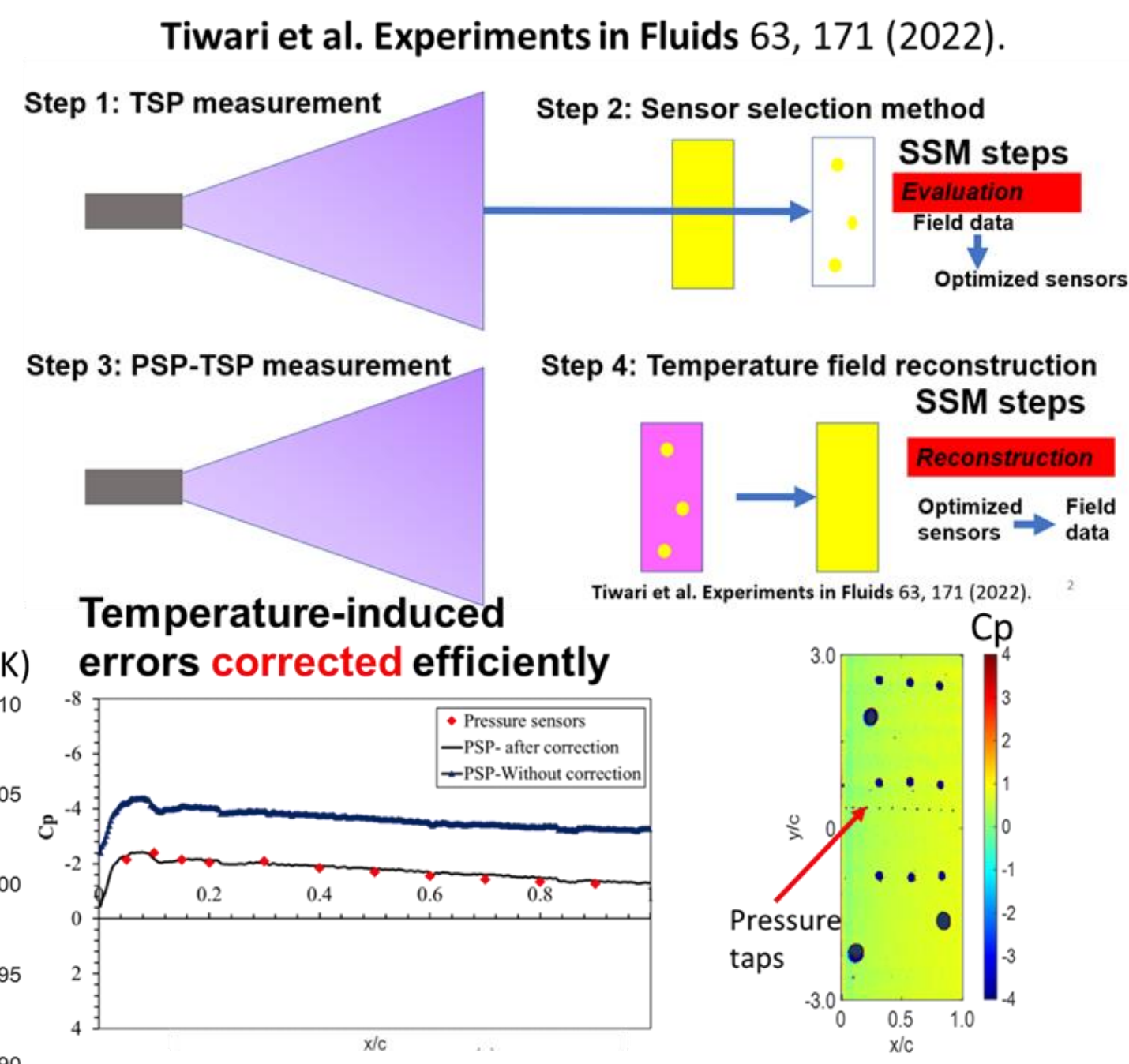
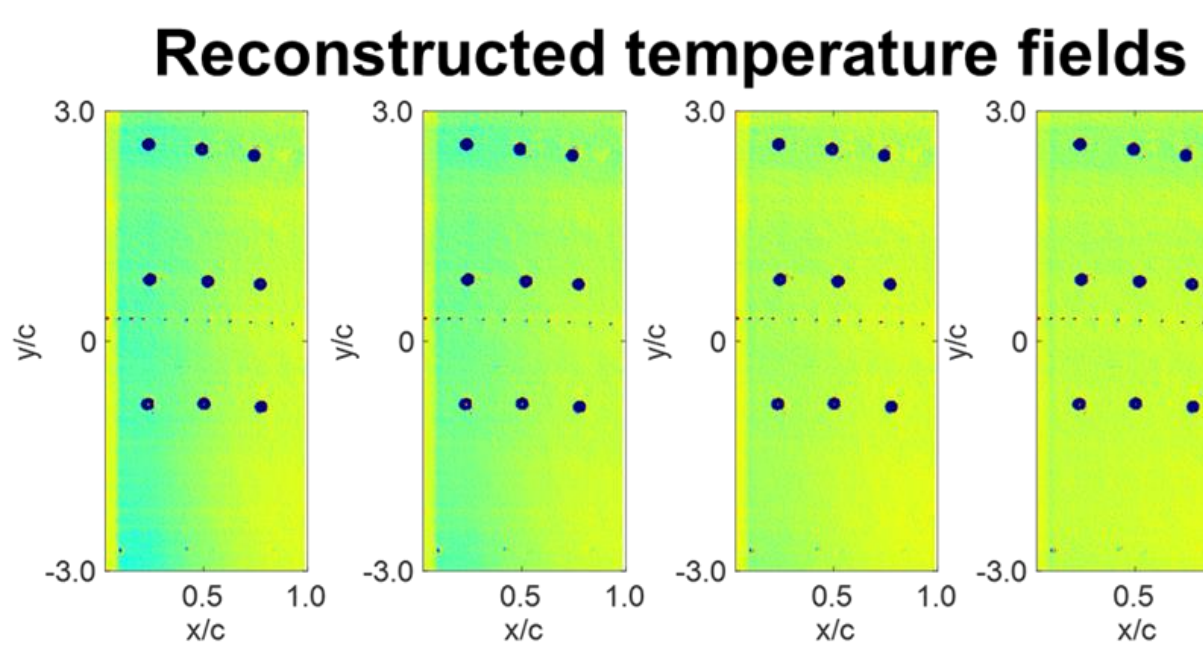


Hydrodynamic Coupling

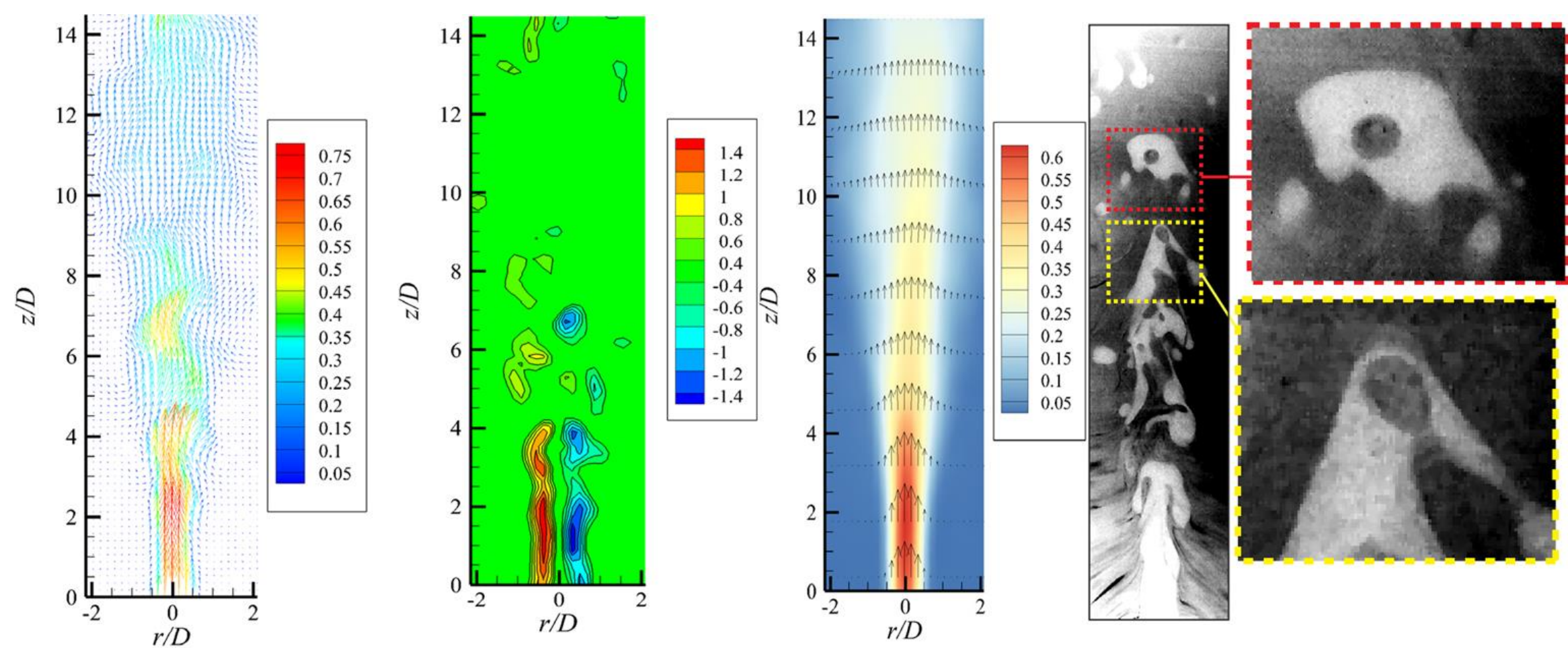
Model-NACA 0015, U=50m/s, AoA=10 degrees



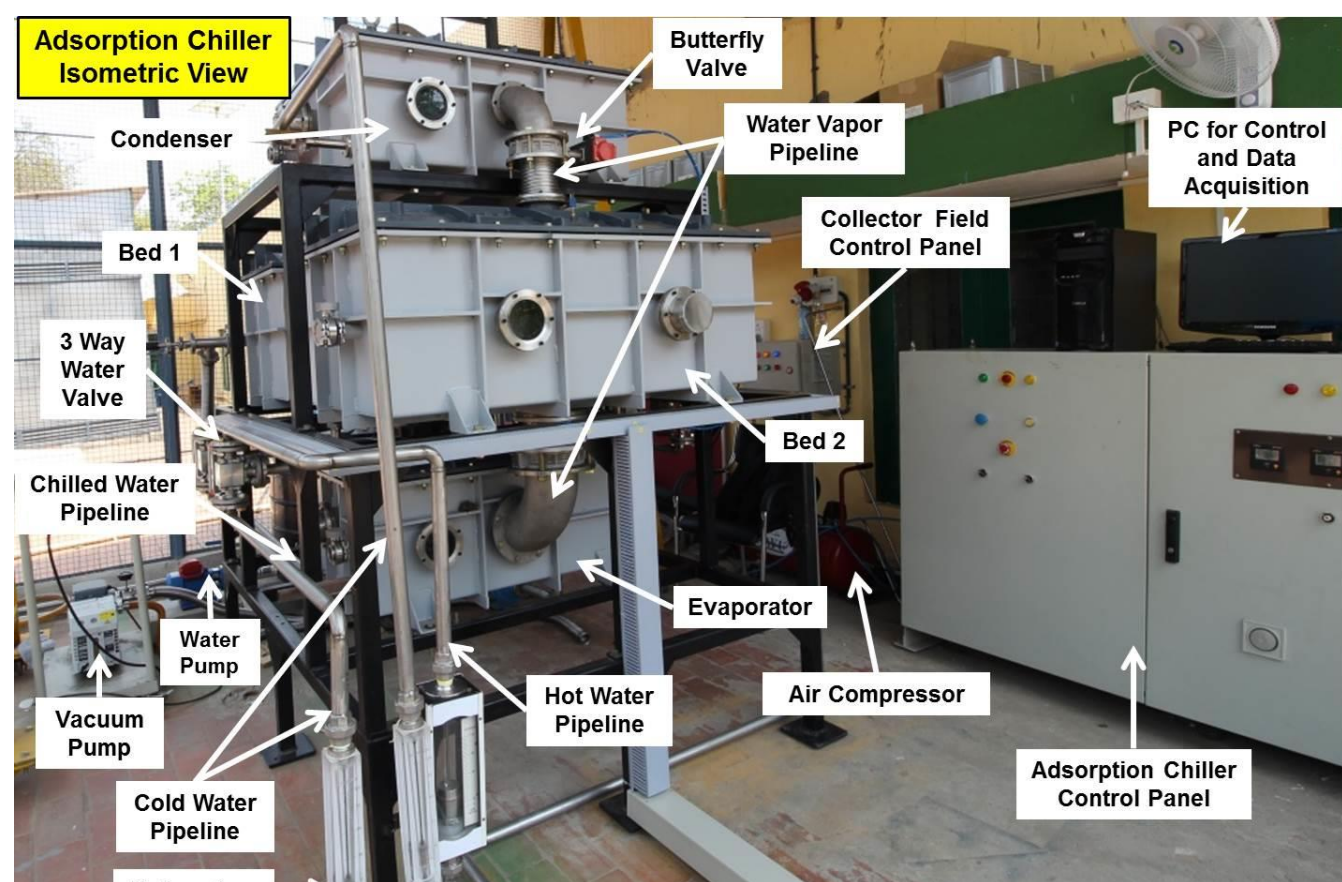
PSP is particularly effective in a range of Mach numbers from 0.3 to 3.0. TSP can be used upto 5 Mach number. By changing TSP luminophore we can measure temperature from -180 to 1000°C



Simultaneous Pressure and temperature Fields measurements by sensitive paints

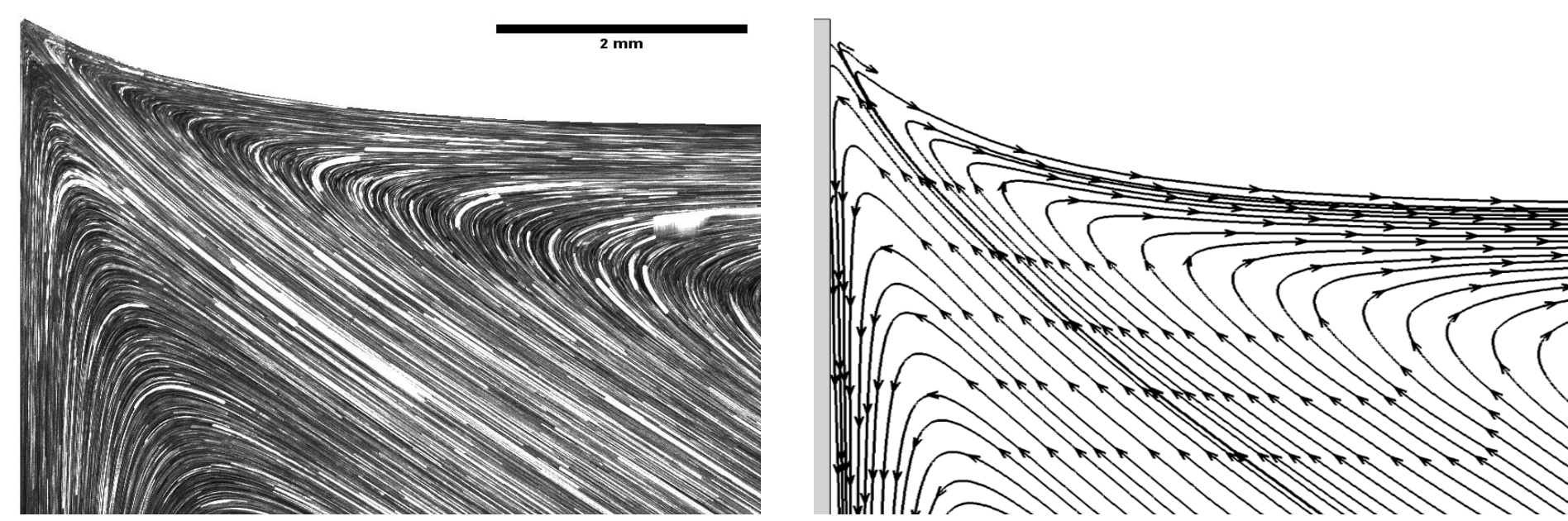


Simultaneous PIV-PLIF measurements: liquid-in-liquid

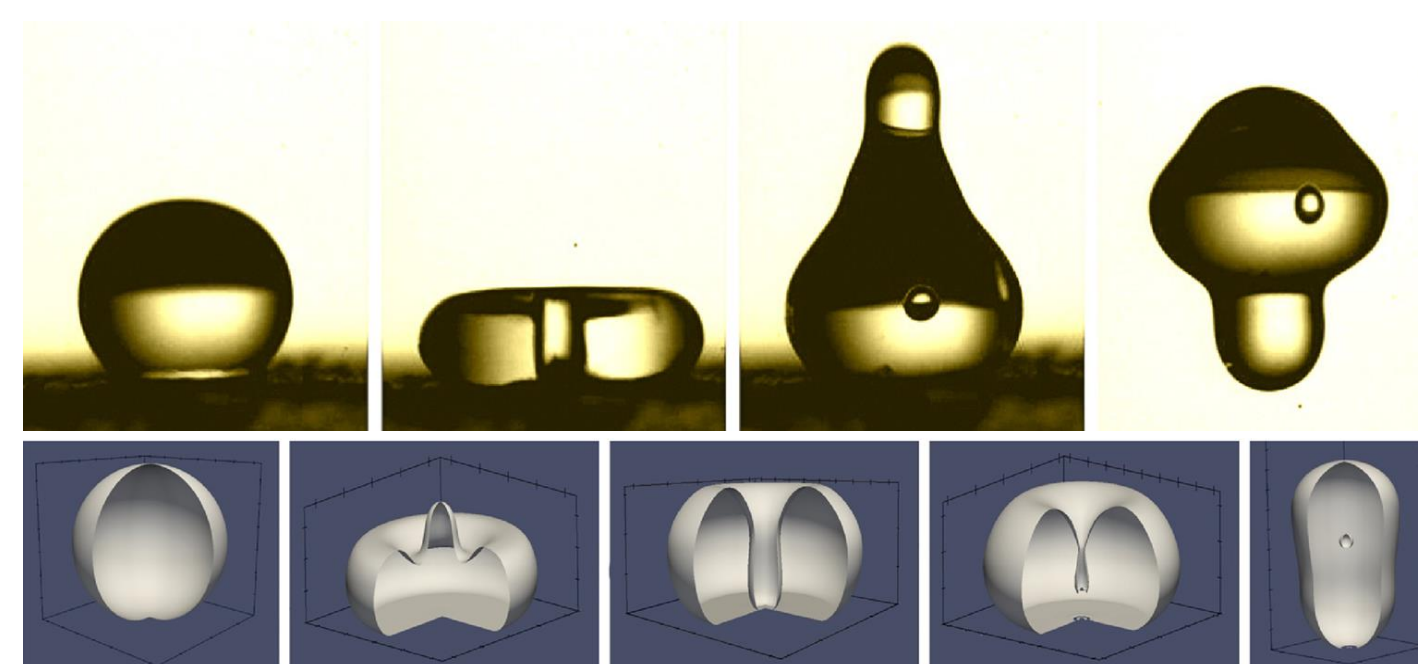


Solar Driven Silica-gel + Water Vapor Adsorption Chiller

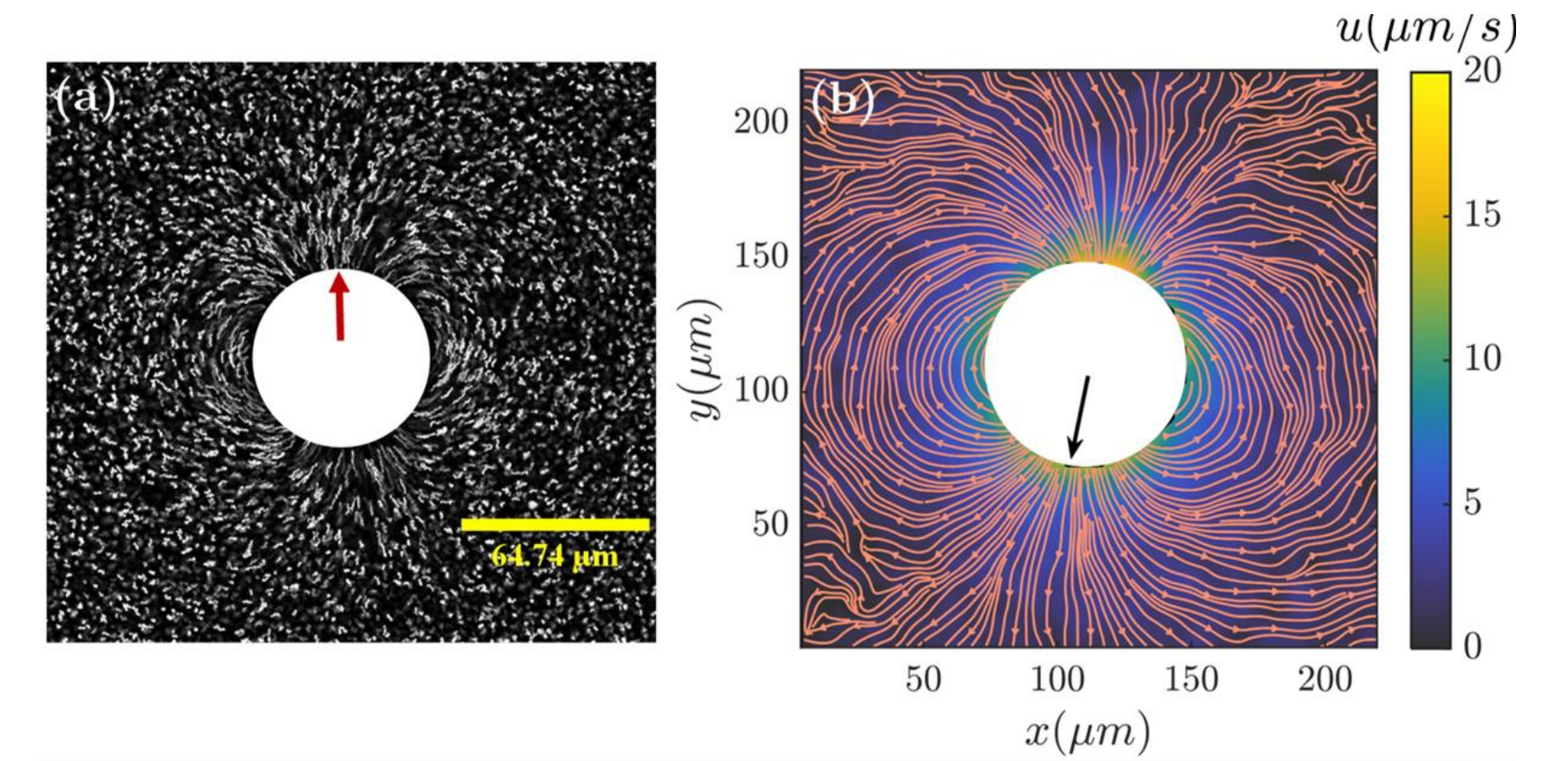
High-speed schlieren: Transient supersonic jets



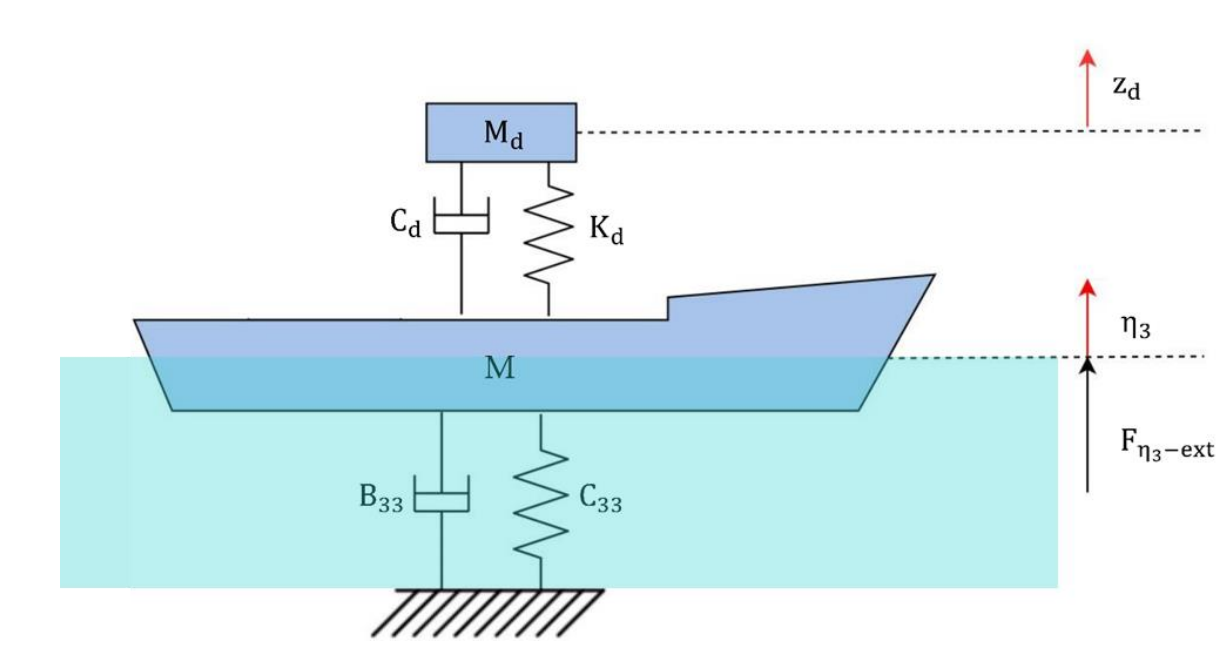
Particle image velocimetry (PIV) for flow near a moving contact line



Particle streaks near a moving contact line

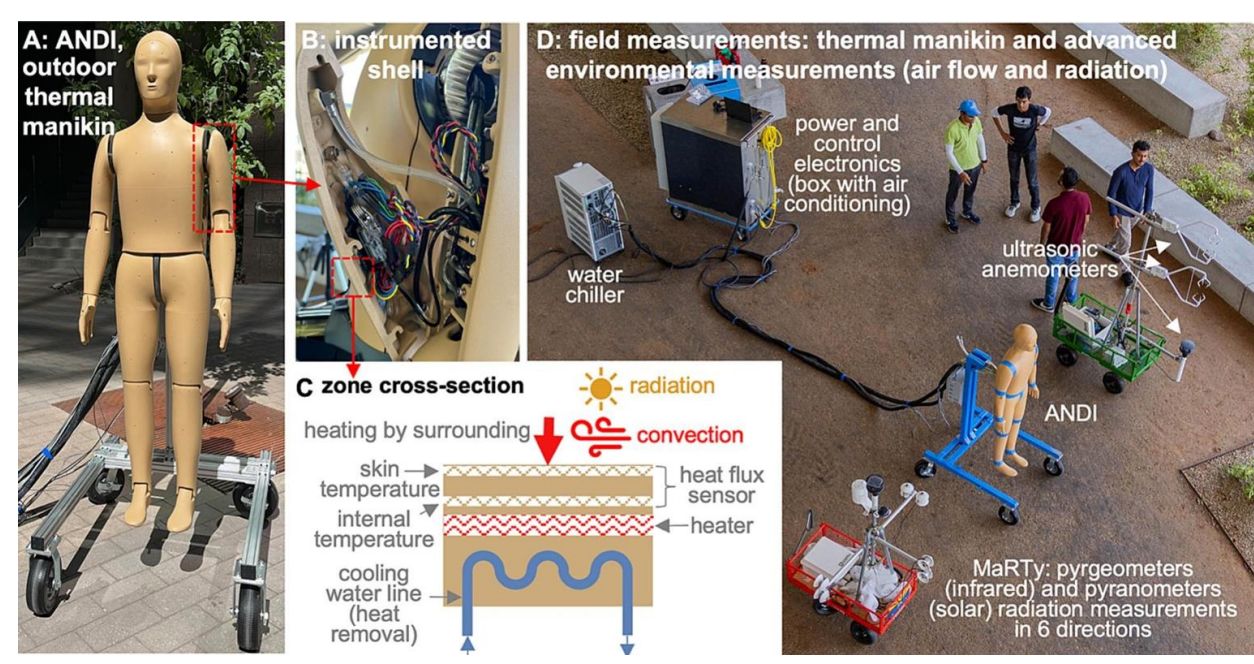


Particle streaks near a moving contact line

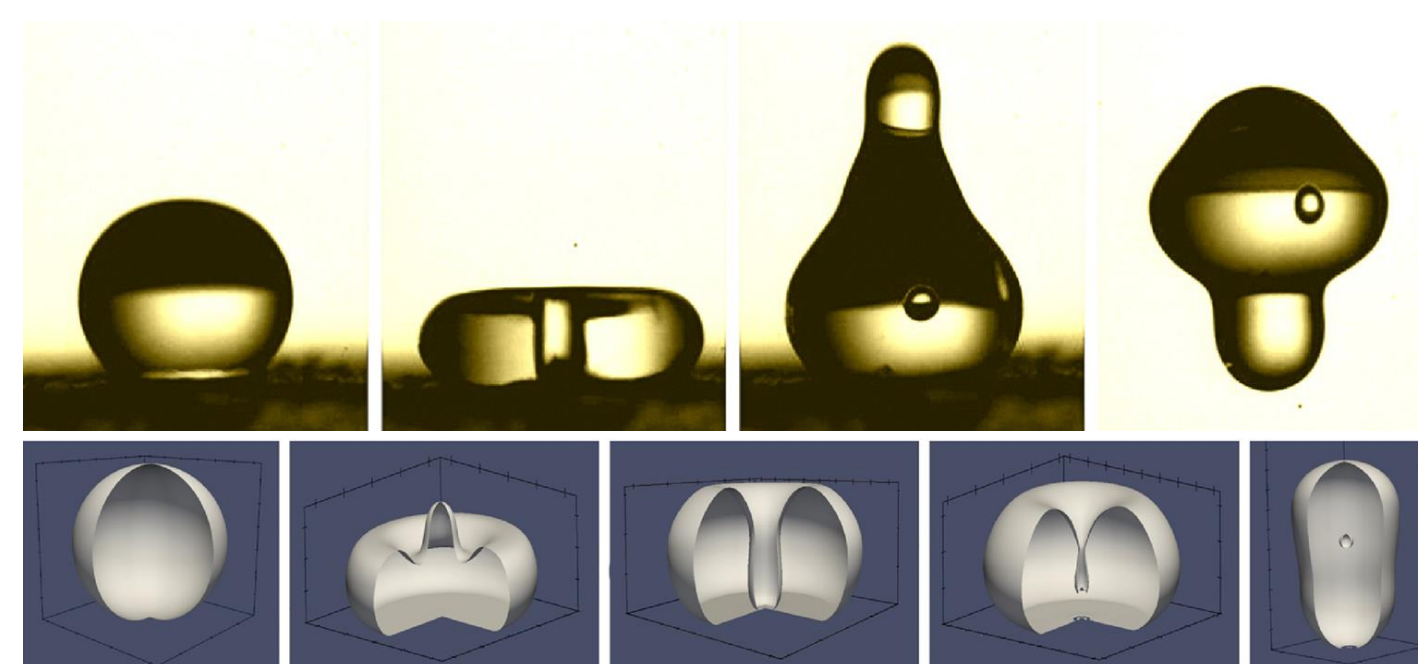


Passive energy absorber (PEA)

Human Extreme Heat Exposure Using an Outdoor Thermal Manikin



Dynamics of a bouncing drop



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