



JOHNS HOPKINS
Center for Environmental
& Applied Fluid Mechanics

SPRING 2022 CEAFM VIRTUAL SEMINAR

"Bubbles and Drinks"

Presented by Prof. Roberto Zenit

Brown University

School of Engineering

Hosted by Prof. Rui Ni (MechE)

Abstract: In this talk we show some of our recent results conducted in the most common multiphase flow laboratory: you glass of bubbly drink. Most people find bubbly drinks to be attractive and refreshing. With the excuse of trying to answer why, we explore the physics involved in this particular kind of two-phase, mass-transfer-driven flow. Discussion and analysis of the processes of bubble formation, ascension, accumulation and bursting are presented. Links to other relevant flow phenomena are presented in each case.

Bio: Roberto Zenit is a Professor at the School of Engineering at Brown University, Providence, USA. He is currently an associate editor of *Physical Review Fluids* and *International Journal of Multiphase Flow*. His group conduct research in the following areas: the mechanics of Two-Phase Flows, Non Newtonian Fluid Mechanics, Fluid Mechanics of Painting and Biological Flows.



Friday, April 15, 2022 at 3:00 PM

Zoom Meeting

<https://wse.zoom.us/j/93762992307>