



Dr. Rajaram Lakkaraju
TuRbulent Interfaces and Dispersion group
 Department of Mechanical Engineering, IIT Kharagpur



Contact: rlakkaraju@mech.iitkgp.ac.in
rajaram.lv@gmail.com
<https://sites.google.com/view/rajaramlakkaraju>



Principal Investigator
Dr. Rajaram Lakkaraju

Group name
TuRbulent Interfaces And Dispersion

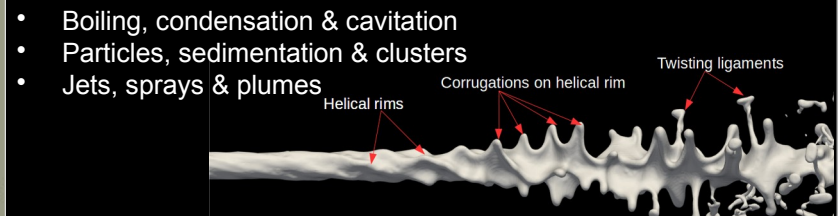
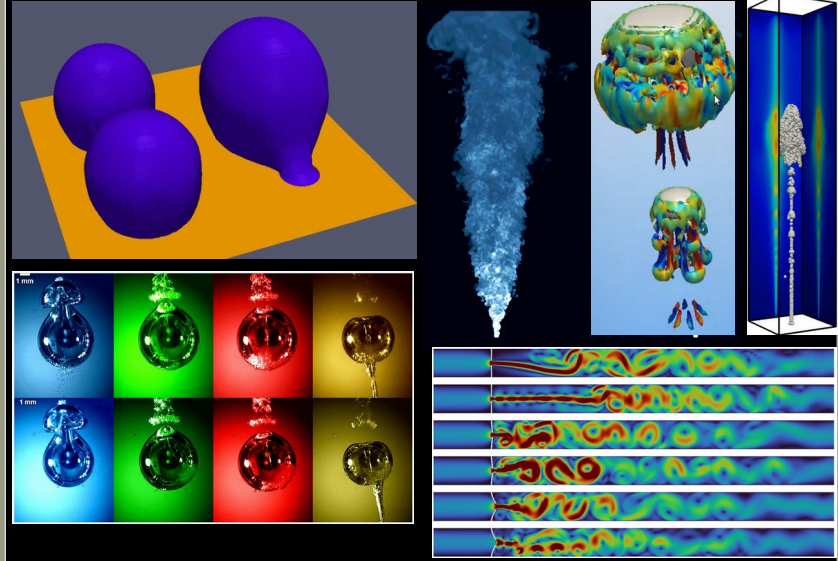
Areas of research

1. Multiphase flows
2. High-performance computations
3. Machine learning & Complex systems

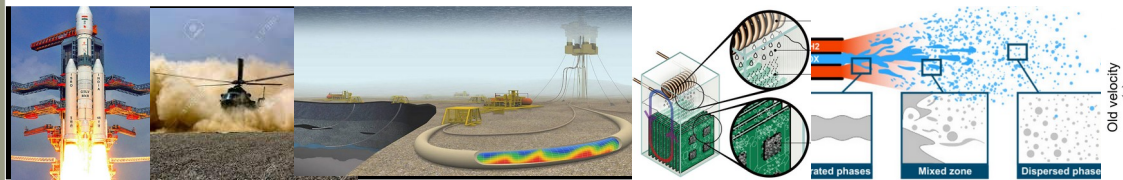
Briefly

- INSPIRE-INSA Faculty (2015)
- DST-Young Scientist (2015)
- BRNS-DAE Young Scientist (2017)
- Part of National Supercomputing Mission
- Milton van Dyke video winner-Gallery of Fluid Motion-American Physical Society (2021)
- Research is appreciated as coverage, Editor's suggestion, Focus, and Keleidoscope articles
- Research published in PNAS, Physical Reviews, JFMs, Physics of Fluids, Soft Matter, Ultrasonics, Chemical Engineering Sciences
- Teaches Fluid mechanics, Two-phase flows, Computational fluid dynamics, Atmospheric (and Geophysical) flows, Scientific computation, Waves in continuum, Data-driven and ML techniques
- Guided Phds for PMRF and Indo-Australia joint program

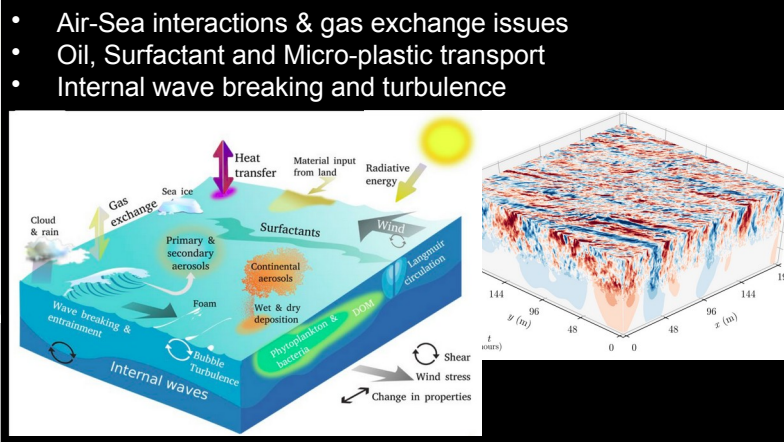
1. Industry relevant multi-phase



Applications involved with our work (thanks to various sources for images)



2. Environment relevant multi-phase



3. Accelerated CFD using Machine Learning

