

High Speed Imaging of Droplet Impact Dynamics

PROJECT DESCRIPTION

Fascinating high speeding dynamics of droplet impacting on different surfaces will be investigated experimentally. By using a high speed camera, the effects of superhydrophobic surfaces and polymer additives on ultrafast impact dynamics will be recorded and analyzed. These new results would provide understanding of liquid-solid interactions and likely to contribute to a scientific publication.

FACULTY-DEPARTMENT

Engineering - Mechanical Engineering

DESIRED FIELD OF (STUDENT) STUDY

Physics; Mechanical Engineering. or Electrical Engineering

INTERNSHIP LOCATION

University of Alberta Main Campus - Edmonton

NUMBER OF INTERNSHIP POSITIONS

2

INTERNSHIP START DATE

July 4

INTERNSHIP END DATE

October 3

ARE THE DATES FLEXIBLE?

Yes, I am flexible regarding the internship dates. Selected students can contact me to request a date change.

Contact: Brendan Cavanagh, Internship Coordinator (Inbound)
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