



UNIVERSITY OF GUAM  
COLLEGE OF NATURAL  
& APPLIED SCIENCES

# Hydrodynamics: The Flow Tale Series

BIOLOGY LECTURE

## Tales of Tails: Fluid Dynamics of Microscale Locomotion

4 p.m. | Monday, Aug. 19  
Science Bldg. Room 101, University of Guam



FEATURING VISITING  
FULBRIGHT SCHOLAR  
**DR. MACIEJ LISICKI**

A look into the microworld reveals a plethora of swimming microorganisms, which display a rich variety of shapes and swimming gaits. Despite this diversity, physics of microscale imposes universal limitations on their propulsion strategies. Dr. Lisicki will review the basic properties of Stokes flows and their consequences on swimming. He will then show examples of artificial designs that mimic biological mechanisms to achieve microscale propulsion, such as light-activated catalytic colloids and droplet swimmers.