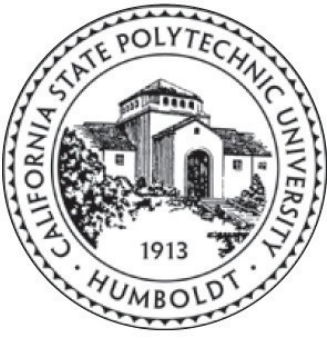




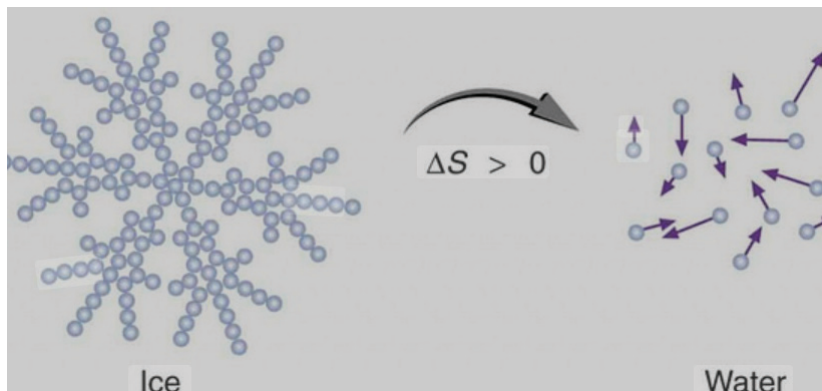
DEPARTMENT OF MATHEMATICS
Fall 2025 MATH Colloquium Series

Entropy is NOT Disorder **Dammit!**

Dr. Monty Mola

Department of Physics & Astronomy
Cal Poly Humboldt

Starting from some very simple toy problems, we will develop the skills necessary to count the number of ways a simple system can exist, scale this counting method to account for much larger systems, use combinatorics to calculate the probability of a particular system to have a particular observed state, and then relate all of this to Entropy and the 2nd Law of Thermodynamics. By the end of the talk I hope to convince you that the 2nd Law of Thermo is much more interesting than it is often portrayed in our introductory courses, and even tells us something about the direction of time.



THURSDAY
Nov. 13, 2025

4:00 PM
BSS302

FOR MORE INFO GO TO <https://math.humboldt.edu/get-involved/mathematics-colloquium>

We cordially invite you to the PRE-COLLOQUIUM TEA in BSS#312
at 3:30 PM