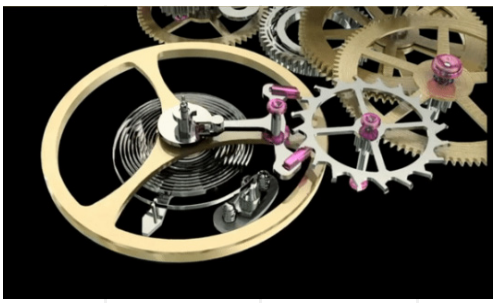
DEPARTMENT OF MATHEMATICS
Spring 2025 MATH Colloquium Series

A Mathematical and Historical Treatment of Timekeeping

Speaker: Professor Chris Dugaw, Cal Poly Humboldt



Abstract: I will describe the history, form, and function of four time-keeping mechanisms: the pendulum, the balance spring, the tuning fork, and the quartz crystal. By the conclusion of the talk you will have a basic understanding of how these mechanisms work, the physics behind them, and the mathematics involved. While some of the models I present will involve differential equations, a student with only a background in trigonometry will be able to understand the majority of the mathematical content. You will get to learn a bit about me personally, my interest in timekeeping, and you will be able to see unique watches from my personal collection. This should be a fun talk with lots of pictures, videos, and interaction.

March 27th, 2025
THURSDAY

4:00 PM
BSS#166

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