UC RIVERSIDE

DEPARTMENT OF ENTOMOLOGY

ENTM250 Seminar Series

Speaker:

Diane M. Thomson

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W.M. Keck Science Department
Claremont McKenna, Pitzer and Scripps Colleges

Date: Monday, November 20, 2023
Time: 4:00 pm - 4:50 pm
Format: In-Person Seminar & Virtual Access
Location: Genomics Auditorium 1102A

Zoom: 938 1040 4405
Passcode: 833289

Title:

"How to 'see' a pollinator population"

Abstract:

Bees, especially eusocial species, are arguably among the best studied of all insects because of their critical importance as pollinators. Yet we still know surprisingly little about what drives bee population dynamics, and this limits our understanding of how and why many bee species may be declining. In this talk, I will describe the development over 25 years of mechanistic models that link bumble bee (*Bombus* spp.) populations on the central California coast with weather variation, floral resources, and non-native honeybee (*Apis mellifera*) competitors. I will then make a case for the value of such models by using them to untangle effects of recent fire and drought, for plants, *A. mellifera*, and *Bombus* in this community.

Refreshments will be served in the Entomology Building Courtyard at 3:30pm