

SEMINAR

Indoor Air Chemistry on the CU-Boulder Campus

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People spend about 90% of their lives indoors, and yet, compared to the atmosphere, far less is known about the chemistry that occurs in indoor environments. In this talk I will describe the results of studies conducted in a classroom, art museum, athletic center, and laboratory on the CU-Boulder campus over the past seven years by my research group in collaboration with those of Profs. Jose Jimenez, Joost de Gouw, and Shelly Miller as part of a novel program created by the Sloan Foundation. In particular, I will demonstrate how through a combination of measurements and modeling we have been able to identify and quantify large numbers of volatile organic compounds in these locations; determine the importance of emissions, reactions, deposition, and ventilation to their fate; and develop a much deeper understanding of the processes responsible for the chemical composition of much of the air we breathe.

Monday, March 9, 2020, 3:30 p.m

Refreshments 3:15 p.m

NCAR Foothills Laboratory

3450 Mitchell Lane, Boulder, CO 80301

FL2-1022, large seminar room

Live webcast: <http://ucarconnect.ucar.edu/live>