

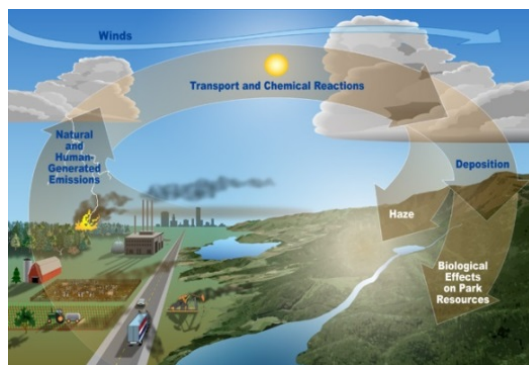
INTRODUCTION

The **2018 Environmental Science Education: Air Quality and Climate Workshop** at UCR will focus on educating credentialed high school and pre-service STEM teachers with the *pedagogy and techniques to integrate scientific contents related to air quality and climate in their classrooms.*

The workshop, funded by the National Science Foundation and co-sponsored by the UCR CaTEACH- Science Mathematics Institute (SMI), is led by Professor Roya Bahreini with the aim of *integrating knowledge from chemistry, physics, and mathematical sciences in problem solving and interpretation of issues in air quality and climate.* Participants who complete the workshop *will be provided with materials* necessary for transferring their knowledge into their classrooms.

During the academic year, Professor Bahreini and her research group will *visit local high schools* representing workshop attendees to *perform*

demonstrations that build upon basic chemistry, physics, mathematics, and environmental sciences, illustrating phenomena related to air quality and climate while her students will work one-on-one with students having difficulties with in-class assignments related to the demonstrations.



ANTICIPATED OUTCOMES

Participants can expect to

- Learn about physical and chemical principles governing air quality and climate;
- Gain skills in applying knowledge from chemistry, physics, and mathematical sciences for problem solving and interpretation of issues in air quality and climate.

ENVIRONMENTAL SCIENCE EDUCATION: AIR QUALITY AND CLIMATE WORKSHOP

Dates:

July 10-13, 2018

Time:

10:00 am- 4:00 pm (Instruction and Group Work)

**Snacks and Lunch included*

Location:

UCR Sciences Laboratory I, Rm 301

Eligible Applicants:

Credentialed high school science teachers

****Participation Stipend****
\$600 upon completion of the workshop



National Science Foundation
WHERE DISCOVERIES BEGIN

APPLICATION- Please answer the following questions to assist the selection process:

1. Is your baccalaureate/post-baccalaureate degree in science, math, or engineering?
_____Yes _____No

Please indicate your subject area/ major _____

2. School site information: School name _____
School district _____

3. What courses do you currently teach? _____

4. Are you planning to serve as an SMI Mentor Teacher for the 2018-2019 academic year?
_____Yes _____No _____Not Sure

5. Indicate which type of teaching credential you hold:
_____Preliminary Teaching Credential

_____Professional Clear Teaching Credential

6. Briefly describe your primary motivation to participate in this workshop:

7. Contact Information:

Name _____

e-mail _____

Application Deadline:

Friday May 18, 2018

To apply for this workshop, fill out and email the application form to Prof. Bahreini (Roya.Bahreini@ucr.edu) by May 18, 2018.

Questions: Contact Prof. Bahreini (Roya.Bahreini@ucr.edu)