Subject: [EXTERNAL] Fwd: ASIC 2020 Poster Presentation Acceptance

Date: Thursday, February 6, 2020 at 10:17:20 AM Eastern Standard Time

From: Vijay Kumar

To: Suresh Dhaniyala, Sumona Mondal, Supraja Gurajala, Brendan Palmer, Bridget Wangler, Shantanu Sur, Samarasuriyage Senarathna

Greetings,
Our Abstract has been accepted as a Poster Presentation at the 2020 Air Sensors International Conference .
You can have a look on conference page in the attached email.
Thank you.

---------- Forwarded message ---------
From: **UCD Air Quality Research Center** <airqualityevents@ucdavis.edu>
Date: Thu, Feb 6, 2020 at 12:04 AM
Subject: ASIC 2020 Poster Presentation Acceptance
To: <vikumar@clarkson.edu>

Dear Vijay Kumar,

Thank you for submitting an abstract to the 2020 Air Sensors International Conference. We are excited to share that your abstract has been accepted as a Poster Presentation at the conference!

As an ASIC Poster Presenter you will have the opportunity to showcase your research and projects to over 600 attendees. Your project will be showcased on the floor of the exhibit hall as the first thing people see when they enter. Additionally, you will be able to share your work and information on the conference website and mobile app to have more interaction with attendees before, during and after the conference. You can describe your work through personal interactions, written descriptions and diagrams AND a 1 minute video on our website.

Please confirm your presentation details below and reply by February 12th to confirm your attendance.

Affiliation: CLARKSON UNIVERSITY

Session Inclusion: Data

Poster #: 13

Poster Title: Evaluating spatio-temporal accuracy of LUR models using low-cost sensor network data

Poster Summary: Land-use regression (LUR) models allow for prediction of air quality based on local terrain, air properties, and human activities and are popularly used for accurate exposure assessments. These models are often built using data collected over short durations and from sites that have low spatio-temporal resolution. The data collection constraints limit model accuracy and create uncertainty in model applicability for long-duration prediction and wide spatial application. Recent deployment of low-cost sensor networks has provided high spatio-

temporal resolution data that allows for fundamental testing of LUR models. Here we use long-term PM2.5 data generated from the Array-of-things (AoT) network in Chicago to test the temporal stability and durability of LUR models. We also apply this model to low-cost sensor data in other locations to determine the spatial applicability of these models. In this presentation, we will discuss our approach to handling the large data sets, the model development techniques, model validation methods, and the results of our study.

Additional Authors: Sumona Mondal, Department of Mathematics, Clarkson University, Potsdam, NY , Supraja Gurajala, Computer Science Department, SUNY Potsdam, NY, Shantanu Sur, Department of Biology, Clarkson University and Suresh Dhaniyala, Department of Mechanical and Aeronautical Engineering Clarkson University.

Once you have confirmed your attendance, we will need you to do the following by March 15th.

1. **Submit a biography**: ASIC Biographical Information
2. **Book your accommodations & travel**: You can view our partner hotels and group rates on our website here.
3. **Register for the conference**: Register online here with the correct code below for your early bird registration ticket
   General Attendee/Industry Member: **EarlyGen20**
   Government Employee/Academic: **EarlyGov20**
   Non-Profit/Community Member/Tribes: **EarlyC20**

More details to come about the listed opportunities and preparations for the conference in the coming weeks, but for now, WELCOME as a 2020 Poster Presenter!

Sincerely,

Sandra Hall

Conference Manager

UC Davis Air Quality Research Center
airqualityevents@ucdavis.edu