Meeting Presentations and Conference Proceedings

Pavlovic N.R., King D.H., Mukherjee A.D., Cavallaro A.M., Lurmann F.W., and DeWinter J.L. (2023) Use of Air Quality Sensor Data in Data Fusion Applications for Current and Forecast Air Quality Mapping. Presented online at the *EPA Air Sensor QA Workshop, July,* by Sonoma Technology, Petaluma, CA. STI-7944.

Mukherjee A., King D., Nathan Pavlovic, Cavallaro A., Lurmann F., and DeWinter J. (2023) Evaluation of three computationally-efficient, high-resolution bias-correction methods for real-time modeled $PM_{2.5}$ concentrations. Presented at *American Meteorological Society (AMS) Annual Meeting, January 11,* by Sonoma Technology, Petaluma, CA. STI-7843.

DeWinter J., Pavlovic N., Mukherjee A., Churchman L., Cavallaro A., Brown S., and Lurmann F. (2022) Evaluation of high-spatial-resolution air pollutant concentration and AQI estimates across the U.S. by fusing low-cost and reference monitor observations with chemical transport model forecasts Presentation given at the *Air Sensors International Conference, May 13, 2022, Pasadena, CA,* by Sonoma Technology, Petaluma, CA. STI-7627.

McCarthy T. and Cavallaro A. (2019) Intelligent decision platform and future ideas: applications for AirNow. Presented to the U.S. Environmental Protection Agency, Research Triangle Park, NC, June 24, by Sonoma Technology, Inc., Petaluma, CA. STI-915500-7137.

Craig K.J., Huang S., Pavlovic N., Chang S.Y., Cavallaro A., and Drury S. (2019) Improving spatial resolution of wildland fire location and fuel biomass data inputs to NOAA's NAQFC. Presentation given at the *International Fire Behavior and Fuels Conference, Albuquerque, NM, April 30*, by Sonoma Technology Inc., Petaluma, CA. STI-7017.

Craig K.J., Huang S., Pavlovic N., Chang S.Y., and Cavallaro A. (2018) Improving spatial resolution of wildland fire location and fuel biomass data inputs to NOAA's NAQFC. Presentation given at the *17th Annual CMAS Conference, Chapel Hill, NC, October 23,* by Sonoma Technology, Inc., Petaluma, CA. STI-6993. Available at https://www.cmascenter.org/conference//2018/slides/craig_improving_spatial_2018.pdf.

Huang S., Ottmar R., Prichard S., Larkin S., Raffuse S., Cavallaro A., Carrier L., and Swedin K. (2015) BlueSky Playground for the U.S. Army Corps of Engineers. Presented at the *11th Symposium on Fire and Forest Meteorology, Minneapolis, MN, May 5,* by Sonoma Technology, Inc., Petaluma, CA. STI-6169.

Raffuse S.M., Larkin N.K., Cavallaro A.M., Huang S., Solomon R., and Lahm P. (2014) BlueSky Playground: web-based smoke modeling. Poster presented at the *A Future with Fire Conference, McClellan, CA, December 2-3,* by Sonoma Technology, Inc., Petaluma, CA. STI-6125.

Haderman M., Larkin N., Cavallaro A., Beach C.M., Stilley J., DeWinter J., Craig K., and Raffuse S. (2013) BlueSky Cloud: rapid infrastructure using Amazon's cloud for wildfire emergency response. Presented at the *AGU Fall Meeting, San Francisco, CA, December 9-13,* by Sonoma Technology, Inc., Petaluma, CA. STI-5735.

Raffuse S., Larkin N., Rorig M., Huang S., Cavallaro A., Solomon R., and Stilley J. (2013) BlueSky Playground: a web-based smoke modeling decision support tool. Presented at the *Tenth Annual Symposium on Fire and Forest Meteorology, Bowling Green, KY, October 15-17,* by Sonoma Technology, Inc., Petaluma, CA. STI-5683.

Raffuse S.M., Larkin N.K., Dedecko T.M., Cavallaro A.M., Banwell E.M., Solomon R., and Lahm P. (2013) BlueSky Playground: web-based smoke modeling. Poster presented at the *4th International Fire Behavior and Fuels Conference, Raleigh, NC, February 18-22*. STI-5466.

Banwell E.M., Larkin N., Raffuse S.M., Dedecko T.M., Cavallaro A.M., Solomon R., and Stilley J.C. (2012) BlueSky Playground: a web-based smoke modeling decision support tool. Presented at the *5th International Fire Ecology and Management Conference, Portland, OR, December 3-7*. (STI-5453).

Formal Reports

Huang S., Cavallaro A., and Brown S. (2017) Delivery of the TimeMachine-ChangeDetect software application for mining camera imagery data to identify transient emission events. Technical memorandum prepared for the Delaware Department of Natural Resources and Environmental Control, Dover, DE, by Sonoma Technology, Inc., Petaluma, CA, STI-917037-6832-TM, December 4.