Book Chapters


Journal Articles


Meeting Presentations, Webinars, and Conference Proceedings


Formal Reports


Craig K. and MacDonald C. (2014) Prototype for improving the Vaisala ceilometer boundary layer
detection algorithm. Technical memorandum prepared for Vaisala, Helsinki, Finland by Sonoma

Larkin N.K., Strand T.T., DeWinter J.L., Brown S.G., Raffuse S.M., Craig K.J., Hafner H.R., Callahan J., and
Solomon R.C. (2014) An atlas and daily forecasts for assessing the potential for emissions transport
from Eurasia to the Arctic. Final report, STI-910020-6074-FR, September.

Craig K. and Bai S. (2014) Guidance and resources for developing AERMOD-ready meteorological data
using AERMET View. Technical memorandum prepared for the California Department of
Transportation, District 7, Los Angeles, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-914102-
6048-TM, August 27.

impacts on ozone concentrations in support of exceptional event analyses. Technical memorandum
prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, by Sonoma

memorandum prepared for the Bay Area Air Quality Management District, San Francisco, CA, by

Larkin N.K., Strand T.M., DeWinter J.L., Brown S.G., Raffuse S.M., Craig K.J., Hafner H.R., Callahan J., and
Solomon R.C. (2012) An atlas and daily forecasts for assessing the potential for emissions transport
to the arctic. Final report prepared for the Joint Fire Science Program, Boise, Idaho, STI-910020-5489-FR,
September.

Larkin N.K., DeWinter J.L., Strand T.M., Brown S.G., Raffuse S.M., Callahan J., Craig K.J., Solomon R.C., and
States fires. Final report prepared for the Joint Fire Science Program, Boise, Idaho, STI-910020-5494-
FR, September.

Craig K.J., Erdakos G.B., and MacDonald C.P. (2012) Benefits of Flint Hills fire reductions on downwind
ozone concentrations. Technical memorandum prepared for the Kansas Department of Health and

Alrick D., Craig K.J., and MacDonald C.P. (2012) State of Kansas exceptional event demonstration package:
April 6, 12, 13, and 29, 2011. Prepared for the Kansas Department of Health and Environment, Division
of Environment, Bureau of Air, Topeka, KS, by Sonoma Technology, Inc., Petaluma, CA, STI-911054-
5399-FR, June 30.

data to calculate design values and determine conformity for quantitative PM hot-spot analyses.
Technical memorandum prepared for the California Department of Transportation by Sonoma

meteorological data for use in AERMOD to complete quantitative PM hot-spot analyses. Technical
memorandum prepared for California Department of Transportation, Sacramento, CA by Sonoma


Craig K.J. and Bornstein R.D. (2001) Mesoscale model MM5: proposed modifications. Final report prepared for the Lockheed-Martin, Corporation, Sunnyvale, CA, by San Jose State University, Department of Meteorology, San Jose, CA.

Craig K.J. (2000) Installation and development of the mesoscale model (MM5) at the CREST facility in Sunnyvale. Final report prepared for the Lockheed-Martin Corporation, Sunnyvale, CA, by San Jose State University, Department of Meteorology, San Jose, CA.

Software and Software Documentation


Courses Taught

Reid S. and Craig K. (2017) Introduction to air quality modeling tools: a two-day hands-on workshop for
project analysts. Training course presented to the California Department of Transportation, Los

Reid S.B., Bai S., Erdakos G.B., and Craig K.J. (2016) Introduction to air quality modeling tools: a two-day
hands-on workshop for project analysts. Training course presented to the California Department of
Transportation, Los Angeles, CA, January 26-27, by Sonoma Technology, Inc., Petaluma, CA, STI-
914103-6424.

Craig K.J. and Reid S.B. (2015) Introduction to air quality modeling tools: two-day hands-on workshop.
Training course presented to the California Department of Transportation, Sacramento, CA, November

Bai S., Craig K.J., and Reid S.B. (2015) Transportation project hot-spot assessment for particulate matter
(PM): two-day hands-on workshop. Training course presented to the California Department of
STI-914103-6288.

Bai S., Craig K., and Reid S. (2014) Transportation project hot-spot assessment for particulate matter:
two-day hands-on workshop. Presented to the California Department of Transportation, Oakland, CA,

Bai S., Craig K., and Reid S. (2014) Transportation project hot-spot assessment for particulate matter: two-
day hands-on workshop. Presented to the California Department of Transportation, Los Angeles, CA,

Thesis
Craig K.J. (2002) MM5 simulations of urban induced convective precipitation over Atlanta, GA. M.S. Thesis,
Department of Meteorology, San Jose State University, San Jose, CA. Available at
http://scholarworks.sjsu.edu/etd_theses/2266/.