

Curriculum Vitae

Kevin C. Crist, Ph.D.

**Stocker 177
Ohio University
Athens OH 45701
cristk@ohio.edu**

Education

Doctor of Philosophy, Chemical Engineering, University of Iowa, Iowa City, IA, 1994
Master of Science, Industrial Hygiene, Texas A&M University, College Station, TX, 1983
Bachelor of Science, Chemistry, University of Northern Iowa, Cedar Falls, IA, 1981

Academic Experience

Professor, Ohio University, Russ College of Engineering and Technology, Department of Chemical Engineering, Athens, OH, September 2006 – Present
<http://www.ohio.edu/engineering/>

Associate Professor, Ohio University, Russ College of Engineering and Technology, Department of Chemical Engineering, Athens, OH, September 2004 – August 2006
<http://www.ohio.edu/engineering/>

Director, Air Quality Center, Institute for Sustainable Energy & the Environment, Ohio University, Athens, OH, May 2003 – Present
<http://orvair.ilgard.ohiou.edu/airquality/air.html>

Faculty Fellow and Senior Leadership Committee, Voinovich Center for Leadership and Public Affairs, Ohio University, Athens, OH, January 2004 – Present
<http://www.voinovichcenter.ohio.edu>

Associate Professor, Ohio University, College of Health and Human Services, School of Health Sciences, Ohio University, Athens, OH, September 2000 – August 2004
<http://www.hhs.ohiou.edu/>

Assistant Professor, Ohio University, College of Health and Human Services, School of Health Sciences, Ohio University, Athens, OH, September 1994 – August 2000
<http://www.hhs.ohiou.edu/>

Industrial Experience

Consultant, Environmental Engineering, The Quaker Oats Company, Cedar Rapids, IA, January 1990 – September 1994

Environmental Manager, The Quaker Oats Company, Cedar Rapids, IA, May 1986 – January 1990

Industrial Hygiene Supervisor, Texas Instruments, Inc., Sherman, TX, September 1984 – May 1986

Industrial Hygienist, Conoco Inc., Ponca City, OK, February 1983 – August 1984

Graduate Research Assistant, Los Alamos National Laboratory, Los Alamos, NM, April 1982 – February 1983

Research Interest

Urban and regional scale air quality - monitoring (ozone, fine particulate matter, air toxics, and meteorology), emission inventory assessments, and photochemical, dispersion, and radiative transfer modeling.

Courses Taught

- Transport Phenomena
- Unit Operations Lab
- Atmospheric Chemistry
- Air Quality and Pollution Control
- Water Quality and Supply (Introduction to Environmental Engineering)
- Risk Assessment
- Environmental Sampling and Analysis
- Chemicals: Health and Environment
- Independent Study

Grant Funding Received to Date: \$4,561,746

1. *2006 Ohio Air Quality & Coal Research Symposium*, Principal Investigator, OAQDA & OCDO, **\$35,000**, 08/01/05-10/30/06
2. *Development of a Database and an Analytical Tool for the Management and Visualization of Ohio Flue Gas Desulfurization (FGD) and Other Coal Combustion Products (CCPs)*, Principal Investigator, Ohio Coal Development Office and CE3 support funds, Ohio University, **\$74,744**, 9/1/05– 9/1/06
3. *Design and Feasibility Assessment of a Retrospective Epidemiologic Study of Coal-Fired Power Plant Emissions in Pittsburgh, PA Region*, Principal Investigator, (University of Pittsburgh is the lead institution), DOE, **\$48,547**, 6/1/05-6/1/06
4. *Real Time On-Line Air Quality Analysis – Miami Valley and Cincinnati*, Principal Investigator, Miami Valley and Hamilton County Ohio, **\$31,242**, 5/1/05-9/1/05
5. *Proposed Research and Support Activities for Air Quality Initiatives in Ohio and Surrounding States*, Principal Investigator, USEPA, **\$800,000**, 7/1/05-7/30/07
6. *2004 Ohio Air Quality & Coal Research Symposium*, Principal Investigator, OAQDA & OCDO, **\$35,000**, 07/01/04-12/30/04
7. *Photochemical Grid Modeling: Evaluation of Control Options for Cleveland/Cincinnati*, Principal Investigator, **\$14,082**, 7/15/04-8/15/04
8. *Efficacy of E-Check in Selected Counties in Ohio: Regional Modeling Evaluation*, Principal Investigator, Ohio EPA, **\$11,400**, 6/1/04-7/1/04
9. *Sustainability/Website Evaluation (2004): Northeast Ohio Air Quality On-Line*, Principal Investigator, NE Ohio Areawide Coordinating Agency, **\$42,510**, 4/07/04-11/30/04
10. *Proposal for Evaluation of the Emission, Transport, and Deposition of Mercury, Arsenic, and Associated Fine Particulate Matter from Coal Based Power Plants in the Ohio River Valley Region*, Principal Investigator, DOE, **\$1,260,247**, 04/03/2003-04/02/2006

11. *Proposal to Develop a Database and an Analytical Tool for the Management of Data Derived from US-DOE (NETL)-Funded Fine Particulate (PM_{2.5}) Research*, Principal Investigator, (Advanced Technology Systems is the lead institution), DOE, **\$796,091**, 08/15/02-08/30/06
12. *Development of an Internet Web Site for the Reporting of Monitored Air Quality Pollutant Levels Year 3*, Principal Investigator, NE Ohio Areawide Coordinating Agency, **\$16,750.00**, 01/01/02-12/31/03
13. *Pittsburgh Atmospheric Particulate Matter Supersite Program*, Principal Investigator, (Carnegie Mellon University is the lead institution), DOE, **\$50,000**, 02/08/01-12/31/02
14. *Ambient Fine Particulate Matter (PM_{2.5}) Research Program - Upper Ohio River Valley Project: Data Management and Analysis*, Principal Investigator, DOE, **\$45,000**, 07/01-07/01/02
15. *Ambient Fine Particulate Matter Research Program - Upper Ohio River Valley Project-Phase II*, Principal Investigator, (Advanced Technology Systems is the lead institution), DOE, **\$25,000**, 06/01/00-05/30/01
16. *Development of an Internet Web Site for the Reporting of Monitored Air Quality Pollutant Levels Year- 2*, Principal Investigator, NE Ohio Areawide Coordinating Agency, **\$47,645**, 01/01/00-12/31/01
17. *Steubenville PM_{2.5} Monitoring Program*, Principal Investigator, (Consol Energy Inc. is the lead institution), DOE, **\$108,861**, 4/01/00-12/31/02
18. *Air Quality and Pediatric Health in Ohio –Phase II*, Principal Investigator, Ohio Air Quality Development Authority, **\$250,527**, 10/01/99-12/31/00
19. *Ambient Fine Particulate Matter Research Program - Upper Ohio River Valley Project - Gifford State Forest*, Principal Investigator (Advanced Technology Systems is the lead institution on the project), DOE, **\$15,000**, 7/01/99-5/31/00
20. *Establish Biogenic Emission Inventories for the Corpus Christi Ozone Area Research Study*, Principal Investigator, (Texas A&M – Kingsville is the lead institution), Texas Natural Resource Conservation Commission, **\$30,000**, 06/01/99-12/31/99
21. *Development of an Internet Web Site for the Reporting of Monitored Air Quality Pollutant Levels*, Principal Investigator, NE Ohio Areawide Coordinating Agency, **\$24,660**, 02/26/99-12/31/00
22. *Air Quality and Pediatric Health in Ohio*, Principal Investigator, Ohio EPA, **\$199,440**, 08/01/98-09/31/99

Academic Recognition, Honors and Awards

Perspectives: Research, Scholarship, and Creative Activity at Ohio University is published twice a year by the Office of Research Communications, part of the Vice President for Research division. Featured cover article: **Warning Signs** - *As states around the country point to Ohio as a source of national air pollution woes, researcher Kevin Crist and other engineers examine the problem from inside the industrial heartland.*

<http://news.research.ohiou.edu/perspectives/index.php?item=83%20>

Ohio University featured announcement and award: **Consortium for Energy, Economics and the Environment Named Ohio University Research Priority**. An examination of energy production and its environmental and economic impacts in the state and nation has been named a major research priority by

Ohio University. The Consortium for Energy, Economics and the Environment (CE3) will receive **\$600,000** over the next five years to bolster its studies of air and water pollution and environmentally friendly energy technologies. June 2005

<http://news.research.ohiou.edu/news/index.php?item=88>

NASA Earth System Science Curriculum Project, Research Assistant - 1993

Iowa College Student Aid Commission Scholarship, 1992-1993

NASA Space Grant Graduate Fellowship, 1992

Professional Membership and Service (current)

Senior Technical Council, Air and Waste Management Association

Chair, 2004 Ohio Air Quality & Coal Research Symposium, Athens Ohio

Co-Chair, Environmental Data Analysis – Assessing Health and Environmental Impacts, Developing Policy and Achieving Regulatory Compliance, AWMA, Chicago, IL, October 2005

Technical advisory Committee-Ohio Research Symposium 2002

Chair, Exposure Assessment Committee, Air Waste Management Association 2004-2006

Technical Advisory Committee-Upper Ohio River Valley Project 1999-2003

Management Advisory Committee-Steubenville Area PM_{2.5} Field Research Effort 1999-2003

Reviewer, DOE - National Energy Technology Proposals, 2002

Member, The American Association for Aerosol Research

Member, Atmospheric Environment

Member, Air and Waste Management Association

Refereed Publications

K. John, K. Crist, M. Kim, S. Karnae, A. Kulkarni, Analysis of Trace Elements and Ions in Ambient fine Particulate Matter at Three Elementary Schools in Ohio, accepted Journal of AWMA, 2006

D. Connell, S. Winter, V. Conrad, M. Kim, K. Crist, The Steubenville Comprehensive Air Monitoring Program (SCAMP): Concentrations and Solubilities of PM_{2.5} Trace Elements and Their Implications for Source Apportionment and Health Research, J of AWMA, 2006 in press

J. Farhni, M. Kim, K. Crist, D. Connell, S. Winter, The Episodic Nature of Ambient Mercury At a Rural Ohio River Valley Supersite, submitted to Atmospheric Environment, 2006

J. Biswas, B. Spires, M. Kim, K. Crist, K. John, Assessment of selective reduction strategies over northeastern regions of Ohio using a photochemical grid model, Submitted to J. of AWMA, 2006.

Reddy, Y., K. Crist, J.Fahrni, M. Kim, and S. Winter, Mercury, PM_{2.5} and Gaseous Co-Pollutants in the Ohio River Valley Region: Preliminary Results From the Athens Supersite, Atmospheric Environment, 40:6650-6665, 2006

Galina, Z., K. Crist, J. Fahrni, , R. Isaac, D. Eatough, and K. John, Use of Linear Regression Modeling and Atmospheric Stability Indices in Forecasting PM_{2.5} Concentrations, submitted to Atmospheric Environment, 2005

Crist, K., K. John, B. Liu, P. Koval, and M. Shanahan, Characterization of Fine Particulate Matter in Ohio: Indoor, Outdoor and Personal Exposures submitted to the J. of Air & Waste Management Association, 2006

Crist, K., C. Crawford, R. Khosah, K. John, and M. Kim, Development of a Database and an Analytical Tool for the Management and Visualization of Air Pollutant Data, proceedings Environmental Data

Analysis – Assessing Health and Environmental Impacts, Developing Policy and Achieving Regulatory Compliance, Chicago, IL, October 2005

Reddy, Y., J. Fahrni, M. Kim, K. Crist, and S. Winter, Mercury Transport and Deposition in Ohio River Valley Region: Measurements at a Rural Super Site in Athens, Ohio, proceedings AWMA Annual Conference & Exhibition, Minneapolis MN, June 2005

Anderson, R., D. Martello, C. White, K. Crist, K. John, W. Modey, and D. Eatough, The Regional nature of PM_{2.5} Episodes in the Upper Ohio River Valley, J. of Air & Waste Management Association, 54: 972-984, 2004

Tang, W., T. Raymond, B. Wittig, C. Davidson, S.N. Pandis, A. Robinson, and K. Crist, Spatial variations of PM_{2.5} during the Pittsburgh Air Quality Study, Aerosol Science and Technology, 38(S2): 80-90, 2004

Morrone, M., and K. Crist, Geographic Differences in Parental Perception of Child Health, Journal of Children's Health, 2: 77-86, 2004

Crist, K., G. Carmichael, B. Hotchkiss, and K. John, Effects of Emission Controls and Stratospheric Ozone Loss on Tropospheric Ozone Production, NATO: Air Pollution Modeling and its Application XI, Edited by Gryning and Schiermeier, Plenum Press, New York, 1996

Li, P., G. Carmichael, and K. Crist, Trend of Biologically Active Ultraviolet Radiation Exposure in Taipei Taiwan, Terrestrial, Atmospheric and Oceanic Science, 6: 461-471, 1995

Crist, K., and G. Carmichael, The Impact of Ozone Depletion on the Flux of Ultraviolet Radiation in Iowa, Chapter I-3, Symposium on Global Change II. A Midwest Perspective, University of Iowa, Iowa City Iowa, 1995

Crist, K., G. Carmichael, and K. John, UV-B Exposure and Atmospheric Ozone: Evaluation of Radiative Flux to Changes in Ambient Ozone Levels, J. of Hazardous Materials, 37: 527-538, 1994

Crist, K., and G. Carmichael, Numerical Estimation of UV-B Radiation Flux from Nimbus-7 Satellite Data, Proceedings Third Annual Iowa Space Conference, Ames Iowa, February 1994

Crist, K., G. Carmichael, and K. John, Evaluation of Radiative Flux and Tropospheric Chemistry Under Global Climate Change Scenarios, NATO: Twentieth International Technical Meeting on Air Pollution Modeling and its Application, Edited by Gryning and Schiermeier, Plenum Press, New York, 1993

John, K., K. Crist, and G. Carmichael, An Assessment of The Impacts of Global Climate and Emissions Change on Regional-Scale Tropospheric Chemistry, proceedings Air and Waste Management Association, Denver, CO, 1993

Li, P.C., G.R. Carmichael, and K. Crist, Estimation of Biological Active Ultraviolet Radiation Exposure in Taipei Taiwan, proceedings International Conference on Regional Environmental Climate Change in East Asia, Taipei, Taiwan, November, 1993

John, K., K. Crist and G. Carmichael, An Analysis of Global Climate and Emissions Changes on Regional Tropospheric Ozone, proceedings NASA Quadrennial Ozone Symposium, Charlottesville, Virginia, 1992

Abstracts with Technical Presentations

M. Kim, Crist K, S. Winter, D. Connell, Rao K, Transport and Deposition of Mercury from Coal Fired Power: Chemical Transport Model Evaluation, 23rd Annual International Pittsburgh Coal Conference, Coal – Energy, Environment and Sustainable Development, Pittsburgh, PA, September 25-28, 2006

M. Kim, K. Crist, J. Fahrni, and S. Winter, Characterization of Mercury Transport and Deposition in Ohio River Valley Region: Mercury and PM_{2.5} Ambient Air Monitoring Program in Athens, Ohio, proceedings AWMA Annual Conference & Exhibition, New Orleans, LA, June 20-23, 2006

M. Kim, Crist, K., C. Crawford, R. Khosah, and K. John, Development of a Database and an Analytical Tool for the Management and Visualization of Air Pollutants Data, proceedings AWMA Annual Conference & Exhibition, New Orleans, LA, June 20-23, 2006.

Crist, K., M. Kim, C. Crawford, R. Khosah, and K. John, Development of a Database and an Analytical Tool for the Management and Visualization of Air Pollutant Data, Environmental Data Analysis – Assessing Health and Environmental Impacts, Developing Policy and Achieving Regulatory Compliance, Chicago, IL, October 2005

Khosah, R., C. Crawford, K. Crist, and K. John, Web-Accessible Database with Embedded Analytical Tools for the Management and Visualization of Air Quality Data, 24th Annual American Association for Aerosol Research Conference, Austin, TX, October 2005

Winter, S., K. Crist, L. N. Yatavelli, and M. Kim, Preliminary Results from a Mercury and PM_{2.5} Ambient Air Monitoring Program in Athens, Ohio, Air Quality V International Conference on Mercury, Trace Elements, SO₂ and Particulate Matter, Arlington, VA, September 2005

Crist, K., Yatavelli L, J. Fahrni, M. Kim, and S. Winter, Mercury Transport and Deposition in Ohio River Valley Region: Measurements at a Rural Super Site in Athens, Ohio, AWMA Annual Conference & Exhibition, Minneapolis MN, June 2005

Kim, M., K. Crist, C. Crawford, K. John, and R. Khosah, Fine Particulate Research: Online Database and Analysis Tools Application, Great Lakes Ecosystem Forecasting: Improving Understanding and Prediction, Ann Arbor, MI, May 2005

Crist, K. Transport and Deposition of Mercury from Coal Fired Power Plants in the Ohio River Valley, Modeling and Decision Support for Environmental Systems, San Antonio Tx, April 2005

Tang, W., T. Bucknell, B. Wittig, C. Davidson, S. Pandis, A. Robinson, and K. Crist, Spatial Variations of PM_{2.5} in the Pittsburgh Region, Particulate Matter Supersites Program and Related Studies (2005 AAAR PM Supersites Conference) An International Specialty Conference by the American Association for Aerosol Research, Atlanta, GA, February, 2005

Yatavelli, L., K. Crist, J. Fahrni, and S. Winter, Evaluation of Ambient Fine Particulate Matter (PM_{2.5}), Co-Pollutants and Mercury in Southeastern, Particulate Matter Supersites Program and Related Studies (2005 AAAR PM Supersites Conference) An International Specialty Conference by the American Association for Aerosol Research, Atlanta, GA, February, 2005

Crist, K., J. Biswas, and C. Seigneur, Transport and Deposition of Mercury from Coal Fired Power: Chemical Transport Model Evaluation, 2004 Ohio Air Quality & Coal Research Symposium, Athens, OH December, 2004

Yatavelli, L., K. Crist, J. Fahrni, and S. Winter, Mercury Transport and Deposition in Ohio River Valley Region: Measurements at Rural Super Site in Athens, Ohio, 2004 Ohio Air Quality & Coal Research Symposium, Athens OH, December, 2004

Crist, K., C. Crawford, R. Khosah, and K. John, Development of a Database and an Analytical Tool for the Management of Data Derived from U S-DOE (NETL)-Funded Fine Particulate (PM_{2.5}) Research 2004 Ohio Air Quality & Coal Research Symposium, Athens OH, December, 2004

Crist, K., S. Winter, R. Khosah, C. Seigneur, and R. Kotamarthi, Evaluation of the Emission, Transport, and Deposition of Mercury and Associated Fine Particulate Matter from Coal Based Power Plants in the Ohio River Valley Region, Second Annual Ohio Air Quality Research Symposium, Toledo, OH, October, 2003

Eatough, D., K. Crist, K. John, R. Anderson, and D. Martello, Evaluation of PM_{2.5} Concentrations Across the Ohio River Valley, PM_{2.5} and Electric Power Generation: Recent Findings and Implications, Pittsburgh, PA, April, 2002

Anderson, R., D. Martello, P. Rohar, C. White, K. Crist, W. Modey, and D. Eatough, The Regional Nature of PM_{2.5} Episodes in South Western Pennsylvania, PM_{2.5} and Electric Power Generation: Recent Findings and Implications, Pittsburgh, PA, April, 2002

Crist, K., A. Kulkarni, S. Kumar, and K. John, Characterization of Fine Particulate Matter at Elementary Schools in Central and Southeastern Ohio, PM_{2.5} and Electric Power Generation: Recent Findings and Implications, Pittsburgh, PA, April, 2002

Kim, M., S. Kumar, K. John, and K. Crist, Evaluation of the Meteorologically Adjusted Air Quality Trends in Ohio, PM_{2.5} and Electric Power Generation: Recent Findings and Implications, Pittsburgh, PA, April, 2002

Kulkarni, A., S. Kumar, K. John, and K. Crist, Characterization of Fine Particulate Matter at Schools in Ohio, Air & Waste Management Association 95th Annual Conference, Baltimore, MD, June, 2002

Kim, M., S. Kumar, K. John, and K. Crist, Evaluation of Long-Term Air Quality Trends in Ohio, Kuruvilla, J., and K. Crist, Characterization of Fine Particulate Matter in a Semi-Arid Coastal Urban Area, Air & Waste Management Association 95th Annual Conference, Baltimore, MD, June, 2002

Jung, I., S. Kumar, K. John, and K. Crist, Meteorological Influences on the Fine Particulate Matter in Central Ohio, Air & Waste Management Association 95th Annual Conference, Baltimore, MD, June, 2002

Crist, K., Evaluation of PM_{2.5} Concentrations Across the Ohio River Valley, Ohio Air Pollution Research Symposium, sponsored by Ohio Air Quality Development Authority, Toledo, OH, October, 2002

Kuruvilla, J., and K. Crist, Characterization of Fine Particulate Matter in a Semi-Arid Coastal Urban Area, NARSTO 2000 Tropospheric Aerosols: Science and Decisions in an International Community (an international technical symposium on aerosol science), Queretaro, Mexico, October, 2000

Kuruvilla, J., M. Alvarado and K. Crist, Characterization of Fine Particulate Matter at Schools in Ohio, NARSTO 2000 Tropospheric Aerosols: Science and Decisions in an International Community (an international technical symposium on aerosol science), Queretaro, Mexico, October, 2000

Crist, K., Fine Particulate Matter in Ohio: A Pediatric Health Risk Assessment, South Texas Environmental Conference, sponsored by A&WMA, Corpus Christi, Texas, October, 2000

Crist, K., EMIS: An Integrated Web-Smart Solution for EH&S, South Texas Environmental Conference, sponsored by A&WMA, Corpus Christi, Texas, October, 2000

Crist, K., K. John, and B. Carlson, Characterization of Fine Particulate Matter in Ohio, 219th American Chemical Society National Meeting, San Francisco, California, March, 2000

Kuruvilla, J. and K. Crist, Characterization of Fine Particulate Matter in a Coastal Urban Air shed PM2000: Particulate Matter and Health - The Scientific Basis for Regulatory Decision, Charleston, South Carolina, January, 2000

Fingar, A., K. Crist, B. Carlson, Air Pollution and Hospital Admissions in Ohio, 1992-1997, American Public Health Association 127 Annual Meeting, Chicago IL, September, 1999

Crist, K. and K. John, Evaluating Biogenic Nitric Oxide Emissions from Agricultural Land Use, 78th American Meteorological Society Annual Meeting, Phoenix, AZ, 1998

Ramamoorthy, M., K John, and K. Crist, Evaluation of the Meteorological Influences on Ozone Air Quality in Near Non-attainment Areas of South Texas, 78th American Meteorological Society Annual Meeting, Phoenix, AZ, 1998

Kandasamy, N., K John, and K. Crist, Ozone Forecasting Using Statistical and Neural Network Models, Measurement of Toxic and Related Air Pollutants, sponsored by A&WMA Association, Cary NC, 1998

Natarajan, S., K John, and K. Crist, Characterization of Particulate Matter in the Corpus Christi Urban Air shed, Measurement of Toxic and Related Air Pollutants, sponsored by A&WMA, Cary NC, 1998

Crist, K., and K. John, Sensitivity of Tropospheric Ozone Production to Changes in Atmospheric Radiation, 5th South Texas Environmental Conference, sponsored by A&WMA, Corpus Christi, Texas, 1997

Crist, K., and K. John, Evaluating Biogenic Nitric Oxide Emissions from Agricultural Land Use, 5th South Texas Environmental Conference, sponsored by A&WMA, Corpus Christi, Texas, 1997

Crist, K., A. Bott, and G. Carmichael, Evaluation of the Impact of Sulfate Aerosols on the Radiative Budget for the Eastern United States, 5th International Atmospheric Sciences and Application to Air Quality Conference, Seattle, Washington, 1996

Crist, K., and K. John, Regional Scale Analysis of NO_x and VOC Emission Control Strategies on Tropospheric Ozone Production, South Texas Environmental Conference: Policy, Regulations & Research, sponsored by A&WMA, Corpus Christi, Texas, 1996

Crist, K., Effects of Emissions Controls and Stratospheric Ozone Loss on Tropospheric Ozone Production, 21st NATO International Technical Meeting on Air Pollution Modeling and its Application, Baltimore, Maryland, 1995

Crist, K., Regional Scale Analysis of Tropospheric Ozone as Related to Changes in Stratospheric Ozone Levels, IUGG XXI General Assembly, Boulder Colorado, 1995

Crist, K., Analysis of Trends in Ground Level Solar Radiation Exposure for Central Iowa, NASA Space Grant Symposium Ames Iowa, February, 1994

Crist, K., Evaluation of Radiative Flux and Tropospheric Chemistry Under Global Climate Change Scenarios, Twentieth International Technical Meeting on Air Pollution Modeling and its Application, Valencia, Spain, November, 1993

Crist, K., Evaluation of Changes in Trace Gas Distributions and UV Flux Under Potential Global Change, AIChE National Meeting, Miami Florida, November, 1992

Abstracts with Poster Presentation (Recent)

Khosah, R., C. Crawford, K. Crist, and K. John, Development of a Database with Embedded Analytical Tools for the Management and visualization of Air Quality Data, The NOAA/EPA Golden Jubilee Symposium on Air Quality Modeling and Its Applications, Durham, NC, September 2005

Crist, K. Yatavelli L, J. Fahrni, M. Kim, and S. Winter, Mercury Transport and Deposition in the Ohio River Valley Region: Measurements at a Rural Super Site, Mercury Control Technology R&D Program Review, Pittsburgh, PA, July, 2005

Crist, K., S. Winter, R. Khosah, C. Seigneur and R. Kotamarthi, Evaluation of the Emission, Transport, and Deposition of Mercury, Arsenic, and Associated Fine Particulate Matter from Coal Based Power Plants in the Ohio River Valley Region, U.S. Department of Energy Mercury Control Technology R&D Program Review Meeting, Pittsburgh, PA, August, 2004

Koshah, R., C. Crawford, K. Crist, S. Devarachetty and K. John, Development of a Database and Analytical Tools for the Management of Data Derived from U.S- DOE (NETL) –Funded Fine Particulate Matter Research, AAAR Particulate Matter: Atmospheric Sciences, Exposure and the Fourth Colloquium on PM and Human Health, Pittsburgh, PA, March, 2003

Crist, K., B. Carlson and K. John, Air Quality and Respiratory Health in Ohio, AAAR Particulate Matter: Atmospheric Sciences, Exposure and the Fourth Colloquium on PM and Human Health, Pittsburgh, PA, March, 2003

Kuruvilla, J., A. Kulkarni and K. Crist, Characterization of Fine Particulate Matter in Central and Southeastern Ohio, AAAR Particulate Matter: Atmospheric Sciences, Exposure and the Fourth Colloquium on PM and Human Health, Pittsburgh, PA, March, 2003

Liu, B., K. Crist and K. John, Characterization of Fine Particulate Matter in Ohio: Indoor, Outdoor, and Personal Exposures, AAAR Particulate Matter: Atmospheric Sciences, Exposure and the Fourth Colloquium on PM and Human Health, Pittsburgh, PA, March, 2003

Recent Non- Refereed Presentations

Crist, K., Results from the Ohio EPA/OAQDA Air Quality Study and Future Direction of the Institute for Sustainable Energy and the Environment at Ohio University, Ohio Air Quality Development Authority Retreat, Ohio, 2003

Crist, K., Ohio University Database & Analytical Tools, RPO National Technical Workgroup Meeting, St Louis MO, November, 2003

Crist, K., and C. Crawford, Web-based Air Quality Database and Analytical Tool, MANE-VU Data Analysis Workshop, June, 2003

Koshah, R., C. Crawford, K. Crist, S. Devarachetty and K. John, Stake Holder Meeting -Development of a Database and Analytical Tools for the Management of Data Derived from U.S- DOE (NETL) –Funded Fine Particulate Matter Research, (two hour workshop/presentation) Pittsburgh PA, March, 2003.

Contract Reports (Recent)

Crist, K. and J. Biswas, Assessment of Selective Reduction Strategies over Cleveland and Cincinnati: Photochemical Grid Model Evaluation, Prepared for Ohio EPA. September, 2004

Crist, K. and J. Biswas Efficacy of E-Check in Selected Counties in Ohio : Regional Modeling Evaluation Prepared for Ohio EPA., July, 2004