

## CURRICULUM VITAE

### DEBORAH HALL BENNETT, Ph.D.

Department of Public Health Sciences  
School of Medicine, University of California, Davis  
One Shields Avenue, Davis, CA 95616

email: [dhbennett@ucdavis.edu](mailto:dhbennett@ucdavis.edu)  
Telephone: 530.754.8282  
Fax: 530.752.3239

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#### EDUCATION:

<u>Date</u>	<u>Discipline</u>	<u>Degree</u>	<u>Institution</u>
1993	Mechanical Engineering <i>Magna cum Laude</i>	B.S.	University of California, Los Angeles
1996	Mechanical Engineering	M.S.	University of California, Berkeley
1999	Mechanical Engineering	Ph.D.	University of California, Berkeley

#### ACADEMIC APPOINTMENTS:

2009–present	Associate Professor, UC Davis, Department of Public Health Sciences
2005-2009	Assistant Professor, UC Davis, Department of Public Health Sciences
2001-2004	Assistant Professor, Harvard School of Public Health, Department of Environmental Health
2000-2001	Scientist, Lawrence Berkeley National Laboratory, Indoor Environment Department
1999-2000	Postdoctoral Researcher, Lawrence Berkeley National Laboratory, Indoor Environment Department

#### NATIONAL AND INTERNATIONAL COMMITTEES:

2010	Presenter for the workgroup “Hormonally Active Environmental Agents and Reproductive Development” for the EPA’s, “Workshop on Optimizing Exposure Metrics for the National Children’s Study” held March 3-4, 2010.
2010	EPA Science Advisory Board, Review of EPA’s Draft Exposure Factors Handbook. March 3-4, 2010, Arlington, VA
2009	EPA Federal Insecticide, Fungicide and Rodenticide Act, Scientific Advisory Panel (FIFRA/SAP), October 6 – 9, 2009, “Evaluation of Updated Standard Operating Procedures for Residential Exposure Assessment.”
2009-2010	Autism Speaks Advisory Panel on necessary modifications to include autism as an endpoint into the National Children’s Study. Final report, “Recommendations of the Autism Speaks Advisory Panel to the NIH National Children Study: Leveraging to NCS to understand risk factors for Autism Spectrum Disorders.”
2006	Advised EPA on future analysis of pesticide exposure data

- 2005 EPA Science Advisory Board (SAB) to evaluate EPI fate model, a multimedia model used for evaluating environmental persistence and exposure, "Review of the Estimation Programs Interface Suite (EPI Suite™)", with a final report printed in 2007.
- 2003 Advised US EPA on experimental design for work to assess exposures to pesticides from surfaces to support modeling efforts
- 2001 US representative to OECD/UNEP Workshop on the use of Multimedia models for estimating overall environmental persistence and long range transport in the context of PBTs/POPs assessment
- 2000 Panelist for EPA's Risk Assessment Forum on Issues Associated with Considering Developmental Changes in Behavior and Anatomy when Assessing Exposure to Children
- 2000 Organizing committee to plan the "Workshop on Combining Environmental Fate and Air Quality Modeling," sponsored by the Reactivity Research Working Group on Atmospheric Availability and Environmental Fate.

#### **EDITORIAL/REVIEW ACTIVITIES:**

- 2006 -2007 Associate Editor, Journal of Exposure Science and Environmental Epidemiology
- 2003 Guest Editor for Special Issue of the Journal of Exposure Assessment and Environmental Epidemiology

#### **PROFESSIONAL ACTIVITIES:**

- International Society of Exposure Assessment (Elected Councilor 2002-2005, Treasurer 2006-2009, Finance Committee 2006-present, Strategic Planning Committee 2007-2010, Chair of Awards Committee 2010-present)
- Society of Environmental Toxicology and Chemistry (1997-2003, Co-chair of the Multimedia Modeling Advisory Committee 1999-2002)
- Society for Risk Analysis(1998-2004, 2007 to present)
- American Chemical Society (1998-present)

#### **HONORS AND DISTINCTIONS:**

- 2002 ISEA Early Career Award
- 1997-1999 EPA STAR Fellow
- 1998 Student Presentation Award, Society for Risk Assessment

#### **CONSULTING ACTIVITIES:**

Dr. Bennett has consulted for CalTRANS and OEHHA.

#### **FACULTY RESPONSIBILITIES:**

##### Public Health Program Activities:

- 2006-Present Member and Chair (2007-present), MPH Curriculum Committee
- 2009-Present Member, Executive Committee for Masters of Public Health program.

Supervisory Activities:

Dr. Bennett has developed and directs the Exposure Science Research Laboratory to conduct field work for her projects as well as to support environmental epidemiology studies. The laboratory employs approximately 5 staff in addition to 2 post-doctoral researchers, 2 graduate students, and a number of undergraduate students.

Teaching Activities:

Instructor, EPP 262 Environmental Health, 3 units, Fall 2005-2010 UC Davis  
 This course presents an overview of environmental health issues to students obtaining their Master's in Public Health.

Instructor, ETX 146 Exposure Assessment, 3 units, Spring 2006, 2008- 2010 UC Davis  
 The focus of this course is to understand methods for exposure assessments in support of risk assessment activities as well as environmental epidemiology efforts.

Instructor, Properties of Environmental Contaminants, Fall 2001-2004 Harvard  
 This course provides the fundamentals necessary for understanding exposure assessment.

Dr. Bennett has also taught short courses at the following institutions:  
 EPFL, Switzerland                      UC Berkeley Extension                      University of Crete, Greece

She has given individual lectures in courses at:  
 UC Davis                                      UC Berkeley

Supervision and Mentoring of Students

Student	Role	University	Graduation Date
Kelly Trunnelle	PhD advisor	UC Davis	Current
Johnny Garcia	PhD advisor	UC Davis	Current
Ricardo Cisnaros	Post-doctoral Advisor	UC Davis	Current
May Wu	Post-doctoral Advisor	UC Davis	Current
Ann Chu	Post-doctoral Advisor	UC Davis	Current
Chelsea Eastman	PhD committee	UC Davis	Current
Corina Bigham	MS committee	UC Davis	Fall 2008
Melisa Rose	MPH Practicum Advisor	UC Davis	Fall 2009
Vince Seaman	additional guidance	UC Davis	June 2006
Amna Siddiqui	additional guidance	UC Davis	June 2006
Miranda Loh	ScD advisor	Harvard	Spring 2006
Robin Dodson	ScD advisor	Harvard	Spring 2007
Sonja Sax	ScD committee	Harvard	July 2003
Dinah Koehler	ScD committee	Harvard	August 2003
Yurika Nishioka	ScD committee	Harvard	August 2003
John Meeker	ScD committee	Harvard	May 2004
Tarun Gupta	ScD committee	Harvard	May 2004

Dr. Loh is an Assistant Professor at University of Arizona and Dr. Dodson is a Research Scientist at the Silent Spring Institute.

## RESEARCH GOALS

My research focuses on the measurement and modeling of organic compounds in the indoor environment, an area of great importance from a health perspective. Compounds of interest include volatile and semi-volatile organic compounds. Ultimately, the goal of my work is to develop tools to help policy makers reduce our exposure, and subsequent health effects, to pollutants in the environment. I accomplish my work through two primary means, by advancing exposure science through my own projects, as well as by working to support environmental epidemiology projects conducted by others.

## BIBLIOGRAPHY:

### Peer-reviewed journals (published or in press)

1. Eisenberg, JNS, **Bennett, DH**, McKone, TE. Chemical Dynamics of Persistent Organic Pollutants: A Sensitivity Analysis Relating Soil Concentration Levels to Atmospheric Emissions. *Environ Sci and Technol* 1998; 32:115-123.
2. **Bennett, DH**, James, AL, McKone, TE, Oldenberg, CM. On Uncertainty in Remediation Analysis: Variance Propagation from Subsurface Transport to Exposure Modeling. *Reliability Eng and System Safety* 1998; 62:117-129.
3. **Bennett, DH**, McKone, TE, Kastenber, WE, Matthies, M. General Formulation of Characteristic Travel Distance for Semi-Volatile Organic Chemicals in a Multi-media Environment, *Environ Sci and Technol* 1998; 32:4023-4030.
4. Liu, C, **Bennett, DH**, Kastenber, WE, McKone, TE, Browne, DG. A Multimedia, Multiple Pathway Risk Assessment of Atrazine: Fate, Transport, and Uncertainty Analysis. *Reliability Eng and System Safety* 1999; 63; 169-184.
5. **Bennett, DH**, Kastenber, WE, McKone, TE. A Multimedia, Multiple Pathway Risk Assessment of Atrazine: The Impact of Age Differentiated Exposure Including Joint Uncertainty and Variability. *Reliability Eng and System Safety* 1999; 63:185-198.
6. **Bennett, DH**, Kastenber, WE, McKone, TE. General Formulation of Characteristic Time for Persistent Chemicals in a Multimedia Environment. *Environmental Sci and Technology* 1999; 33:503-509.
7. **Bennett, DH**, McKone, TE, Kastenber, WE. Evaluating Multimedia Chemical Persistence: A CART Analysis. *Environ Tox and Chem* 2000; 19:810-819.
8. **Bennett, D.H.**, Scheringer, M., McKone, T.E., and Hüngrerbuhler, K., Predicting Long Range Transport: A Systematic Evaluation of Two Multimedia Transport Models, *Environmental Science and Technology*, 2001, 35, 1181-1189.
9. MacLeod, M, Woodfine, D, Mackay, D.; McKone, T., **Bennett, D.**, and Maddalena, R., BETR North America: A Regionally Segmented Multimedia Contaminant Fate Model for North America, *Environmental Science and Pollution Research*, 2001, 8, 156-163.
10. **Bennett, D.H.**, McKone, T.E., Evans, J.S., Nazaroff, W.W., Margni, M.D., and Jolliet, O., Defining Intake Fraction, *Environmental Science and Technology*, 2002, 36: 206A-211A.
11. **D.H. Bennett**, M.D. Margni, T.E. McKone, O. Jolliet, Intake Fraction for Multimedia Pollutants: A Tool for Life Cycle Analysis and Comparative Risk Assessment, *Risk Assessment*, 2002, 22:905-918.
12. Levy, J.I., **Bennett, D.H.**, Melly, S.J., Spengler, J.D. The Influence of Traffic Patterns on Particulate Matter and Polycyclic Aromatic Hydrocarbon Concentrations in Roxbury, Massachusetts, *Journal of Exposure Analysis and Environmental Epidemiology*, 2003, 13, 364-371.
13. T.E. McKone and **D.H. Bennett**. Chemical-Specific Representation of Air-Soil Exchange and Soil Penetration in Regional Multimedia Models, *Environmental Science and Technology*, 2003, 37, 3123-3132.

14. Sax, S.N., **Bennett, D.H.**, Chillrud, S.N., Kinney, P.L., Spengler, J.D., *Differences in Source Emission Rates of Volatile Organic Compounds in Inner-city Residents of New York City and Los Angeles*, Journal of Exposure Analysis and Environmental Epidemiology, 2004, 14:S95-S109.
15. **D.H. Bennett** and E.J. Furtaw, Jr., Fugacity-Based Indoor Residential Pesticide Fate Model, Environmental Science and Technology, 2004, 38, 2142-2152.
16. Margni, M., Pennington, D., **Bennett, D.H.**, Jolliet, O. Cyclic Exchanges Between Environmental media: Intermedia feedback in multimedia fate models. Environmental Science and Technology, 2004 Oct 15;38(20):5450-7.
17. Meeker JD, Ryan L, Barr DB, Herrick RF, **Bennett DH**, Bravo R, Hauser R. The Relationship of Urinary Metabolites of Carbaryl/naphthalene and Chlorpyrifos with Human Semen Quality. Environmental Health Perspectives, 2004, 112, 1665-1670.
18. Meeker, JD, Singh, N.P. Ryan L, Duty, SM, Barr DB, Herrick RF, **Bennett DH**, Hauser R. Urinary levels of insecticide metabolites and DNA damage in human sperm. Human Reproduction, 2004, 19(11):2573-80.
19. MacLeod, M., **Bennett, D.H.**, Perem, M., Maddalena, R.L., McKone, T.E., and Mackay D. Dependence of Intake Fraction on Release Location in a Multi-media Framework: A Case Study of Four Contaminants in North America, Industrial Ecology, 2004 8(3):89-102.
20. Meeker, J.D., Barr, D.B., Ryan, L., Herrick, R.F., **Bennett, D.H.**, Bravo, R. and Hauser, R. Temporal Variability of Urinary Levels on Non-persistent Insecticides in Adult Men. Journal of Exposure Analysis and Environmental Epidemiology, 2005, 15(3):271-81.
21. Kohler, D.A., **Bennett, D.H.**, Norris, G.A. and Spengler, J.D., Rethinking Environmental Performance from a Public Health Perspective: A Comparative Industry Analysis, Journal of Industrial Ecology, 2005 9(3):143-167.
22. **Bennett DH** and Koutrakis, P. Determining the Infiltration of Outdoor Particles in the Indoor Environment Using a Dynamic Model. Journal of Aerosol Science, 2005, 37:766-785.
23. Sax S.N., **Bennett D.H.**, Chillrud S.N., Ross J., Kinney P., Spengler J.D., A Cancer Risk Assessment of Inner-City Teenagers Living in New York City and Los Angeles, EHP, 2006; 114 (10): 1558-1566.
24. Nishioka Y, Levy JI, Norris GA, **Bennett DH**, Spengler JD. *A Risk-based Approach to Health Impact Assessment for Input-output Analysis – Part 1: Methodology*. International Journal of Life Cycle Analysis. 2006, 10: 193-199.
25. Nishioka Y, Levy JI, Norris GA, **Bennett DH**, Spengler JD. *A Risk-based Approach to Health Impact Assessment for Input-output Analysis – Part 2: Case study of insulation*. International Journal of Life Cycle Analysis. 2006, 10: 255-262.
26. Loh MM, Houseman EA, Gray GM, Levy JI, Spengler JD, **Bennett DH**. Measured Concentrations of VOC's in Non-residential Microenvironments. Environmental Science and Technology, 40: 6903-6911. 2006.
27. Loh MM, Levy JI, Spengler JD, Houseman EA, **Bennett DH**. Ranking Cancer Risks of Organic Hazardous Air Pollutants in the United States. Environmental Health Perspectives. 2007;115(8):1160-1168.
28. Dodson RE, Levy JI, Shine JP, Spengler JD, **Bennett DH**. Multi-zonal Air Flow Rates in Residences in Boston, Massachusetts. *Atmos Environ*, 2007; 41 (17): 3722-3727.
29. V.Y. Seaman, **D.H. Bennett**, T.M. Cahill. Origin, Occurrence, and Source Emission Rate of Acrolein in Residential Indoor Air. Environmental Science and Technology, 2007 41(20): 6940-6946.
30. Dodson RE, Houseman EA, Levy JI, Spengler JD, Shine JP, **Bennett DH.**, Measured and Modeled Personal Exposures to and Risks from Volatile Organic Compounds. Environmental Science and Technology, 2007 41: 8498-8505.

31. Julien R, Adamkiewicz G, Levy JI, **Bennett D**, Nishioka M, Spengler JD. Pesticide Loadings of Select Organophosphate and Pyrethroid Pesticides in Urban Public Housing. *Journal of Exposure Science and Environmental Epidemiology* 2008, 18, 167–174
32. Dodson, R.E., J.I. Levy, J.D. Spengler, J.P. Shine, and **D.H. Bennett**. Influence of Basements, Garages, and Common Hallways on Indoor Residential Volatile Organic Compound Concentrations. *Atmospheric Environment*. 2008, 42(7):1569-1581.
33. Siddiqui AR, Lee K, **Bennett DH**, Yang X, Brown KH, Bhutta ZA, Gold EB. Kitchen Carbon Monoxide and PM2.5 Concentrations by Cooking Fuel in a Village of Semi-Rural Pakistan. *Indoor Air*, 2009 19(1):75-82.
34. Loh MM, Houseman EA, Levy JI, Spengler JD, **Bennett DH**. Contribution To Volatile Organic Compound Exposures From Time Spent In Stores And Restaurants And Bars. *Journal of Exposure Science and Environmental Epidemiology*, 19(7): 660-673, 2009.
35. Dodson RE, Levy JI, Houseman EA, Spengler JD, **Bennett DH**, Evaluating Methods for Predicting Indoor Residential Volatile Organic Compound Concentration Distributions. *Journal of Exposure Science and Environmental Epidemiology*, 19(7): 682-693, 2009.
36. Ahn, K.C., Gee, S., Tsai, H.J., **Bennett, D.H.**, Nishioka, M., Blum, A., Fishman, E., Hammock, B. An Immunoassay for Monitoring Environmental and Human Exposure to the Polybrominated Diphenyl Ether BDE-47, *Environmental Science & Technology*, 43(20): 7784-7790, 2009.
37. Seaman VY, **Bennett DH**, Cahill TM. Indoor acrolein emission and decay rates resulting from domestic cooking events. *Atmospheric Environment* , 43(39) 6199-6204, 2009.
38. Lee, K., Kim, J.Y., Putti, K., **Bennett, D.H.**, Cassady, D., and Hertz-Piccioppo, I. Use of a Portable Global Positioning System (GPS) Devices in Exposure Analysis for Time-location Measurement. *Journal of Environmental Health Sciences*, 35: 447-453, 2009.
39. Hertz-Picciotto I., Cassady D., Lee K., **Bennett D.H.**, Ritz B., Vogt R. Study of Use of Products and Exposure-Related Behaviors (SUPERB): Study design, methods, and demographic characteristics of cohorts. *Environmental Health*, 9(1): 54-67, 2010.
40. Wu X, **Bennett D.H.**, Ritz B., Frost J., Cassady D., Lee K. Hertz-Picciotto I. Usage Pattern of Personal Care Products in California Households. *Food and Chemical Toxicology*, 48(11): 3109-3119, 2010.
41. Rose M, **Bennett DH**, Bergman A. PBDEs in 2-5 Year-Old Children from California and Associations with Diet and Indoor Environment. *Environmental Science & Technology*. 44(7): 2648-2653, 2010
42. Wu X, **Bennett D.H.**, Ritz B., Frost J., Cassady D., Lee K. Hertz-Picciotto I. Residential Insecticide Usage in Northern California Homes with Young Children, *Journal of Exposure Science and Environmental Epidemiology*. 2010, 21, 427-436.
43. Cisneros R., Bytnerowicz A., Schweizer D., Zhong S., Traina S., **Bennett D.H.** Ozone, nitric acid, and ammonia air pollution is unhealthy for people and ecosystems in southern Sierra Nevada, California. *Environmental Pollution*. 158(10): 3261-3271, 2010.
44. Armes, M., Liew, Z., Wang, A., Wu, X., **Bennett, DH**, Hertz-Picciotto, I., Ritz, B. Residential Pesticide Usage in Older Adults Residing in Central California. *Int. J. Environ. Res. Public Health*. 2011, 8(8), 3114-3133.
45. Wu, X., Apte, M., Maddalena, R., **Bennett, DH**. Volatile Organic Compounds in Small – and Medium-Sized Commercial Buildings in California. *Environ. Sci. Technol*. 2011, 45(20), 9075-9083.
46. Wu, X., **Bennett, DH**, Lee, K., Cassady, DL, Ritz, B., Hertz-Picciotto, I. Feasibility of using web surveys to collect time-activity data. *Journal of Exposure Sci. and Env. Epi.*, (27 July 2011) doi:10.1038/jes.2011.23
47. Wu, X., **Bennett, DH**, Lee, K., Cassady, D., Ritz, B., Hertz-Picciotto, I. Longitudinal variability of time-location/activity patterns of population at different ages: a longitudinal

- study in California. *Environmental Health*. 2011. 10(80). Available: <http://www.ehjournal.net/content/10/1/80>.
48. I. Hertz-Picciotto, Å. Bergman, B. Fångström, M. Rose, P. Krakowiak, I. Pessah, R. Hansen, **D. Bennett** Polybrominated diphenyl ethers in relation to autism and developmental delay: A case-control study. *Environmental Health*. 2011. 10(1). Available: <http://www.ehjournal.net/content/10/1/1>.
  49. Bennett DH, Wu XM, Teague C, Lee KY, Cassady D, Ritz B, Hertz-Picciotto I. 2011. Passive Sampling Methods to Determine Household and Personal Care Product Use. *Journal of Exposure Science & Environmental Epidemiology*. 22: 148-160.
  50. Bennett DH, Fisk W, Apte MG, Wu XM, Trout A, Faulkner D, Sullivan D. 2012. Ventilation, Temperature, and HVAC Characteristics in Small and Medium Sized Commercial Buildings (SMCBs) in California. *Indoor Air*. DOI: 10.1111/j.1600-0668.2012.00767.x.
  51. Moran R, Bennett DH, Tancredi D, Wu XM, Ritz B, Hertz-Picciotto I. 2012. Frequency and Longitudinal Trends of Household Care Products Use. *Atmospheric Environment*. In Press.
  52. Vogel C., Garcia, J., Mitchell D., Kado N., Tancredi, D., Wu D., Trujillo D. A., **Bennett D. H.**, Schenker M.B., Mitloehner F. M. Activation of inflammatory responses in human U937 macrophages by particulate matter collected from dairy farms. *Environmental Health*. In Press.

## BOOK CHAPTERS AND CONFERENCE PROCEEDINGS

1. **Bennett, D.H.**, Kastenber, W.E., McKone, T.E., Determining the Appropriate Spatial Scale for Managing Environmental Risks, Probabilistic Safety Assessment and Management 4, 1998, New York, Springer, pp. 1503-1509.
2. **Bennett, D.H.**, Kastenber, W.E., McKone, T.E., Overall Human Exposure Based on Spatial Range and Persistence, Society for Risk Assessment – Europe, 1998, Paris.
3. **Bennett, D.H.**, T.E. McKone, W.E. Kastenber, CART Screening Level Analysis of Characteristic Time- A Case Study. American Chemical Society, May 1999.
4. Scheringer, M., **Bennett, D.H.**, McKone, T.E., and Hünigbuhler, K., Relations between Persistence and Spatial Range of Environmental Chemicals. American Chemical Society, May 1999.
5. Van De Meent, D., T.E. Mckone, T. Parkerton, M. Matthies, M. Scheringer, F. Wania, R. Purdy, and **D.H. Bennett**, Persistence and Transport Potential of Chemicals In A Multimedia Environment, in Evaluation of Persistence and Long-Range Transport of Organic chemicals in the Environment: Report of a SETAC Pellston Workshop, G.M. Klecka and D. Mackay, Editors. 2000, SETAC Press: Pensacola, FL
6. **Bennett, D. H.**; McKone, T. E.; Kastenber, W. E., Characteristic Time, Characteristic Travel Distance, and Population Based potential Dose in a Multimedia Environment: A Case Study, In Human and Ecological Risk Assessment: Theory and Practice, Paustenbach, D. J., Ed. John Wiley and Sons: New York. 2002
7. **Bennett, D.H.**, T.E. McKone, Furtaw, E.J., A Fugacity-Based Indoor Residential Pesticide Fate Model. *Indoor Air*, July 2002.
8. Loh L, Houseman EA, Spengler JD, **Bennett DH**: Characterization of VOC exposures and risk in non-residential microenvironments. *Indoor Air*, 2006
9. Loh M, Levy J, Spengler JD, **Bennett DH**: Relative Impact on risk of pollutants released in the indoor environment. HB 2006 - Healthy Buildings - Creating a healthy indoor environment for people, 2006.

10. Dodson RE, Levy JI, Shine JP, Spengler JD, **Bennett DH**: Impact of attached garages on indoor residential BTEX concentrations. HB 2006 - Healthy Buildings - Creating a healthy indoor environment for people, 2006.
11. Plummer, L.E., Pinkerton, K.E., Reynolds, S., Meschke, S. **Bennett, D.**, Schenker, M. Aerosols in the Agricultural Setting. *Journal of Agromedicine*. 14:400-403:2009
12. Eastman C., Mitchell D.C., **Bennett D.H.**, Tancredi D.J., Mitloehner F.M., Schenker M.B. Respiratory Symptoms of California's Dairy Workers. *Field Actions Science Reports*. Special Issue (2), 2010.

## INVITED NATIONAL AND INTERNATIONAL TALKS

1. Building Uncertainty and Sensitivity Analysis Into the TRIM Framework, invited symposium for the Society for Risk Analysis Annual Meeting, 1997 in Washington D.C.
2. Risk ranking based on measured human exposures to hazardous air pollutants. Invited symposium for the 15<sup>th</sup> Annual Conference of the International Society of Exposure Analysis, October 30-November 3, 2005 Tucson, Arizona, USA
3. Intake Fraction: Where do we come from? Invited symposium for the International Conference on Environmental Epidemiology & Exposure, September 2-6, 2006 Paris, France
4. Potential for Particulate Matter and Endotoxin Exposures to Workers and Residents from California Dairies Invited symposium for the 17<sup>th</sup> Annual Conference of the International Society of Exposure Analysis, held October 14-18, 2007 in Durham, N.C.,
5. Environmental levels for organic compounds in the indoor environment. Presented at the ISES Annual Conference, November 1-4, 2009 Minneapolis, Minnesota.
6. Incorporating an Indoor Fugacity-Based Source-to-Concentration Module into SHEDS-Multimedia. Invited symposium for the ISES Annual Conference, November 1-4, 2009 Minneapolis, Minnesota.
7. Environmental Levels for Organic Compounds in the Indoor Environment. Invited symposium for the ISES Annual Conference, November 1-4, 2009 Minneapolis, Minnesota.
8. Plenary speaker at the March 2010 AAAR Specialty Conference, Air Pollution and Health: Bridging the Gap from Sources to Health Outcomes. March 22-26, 2010, San Diego, California
9. Persistent Consumer Products in the Indoor Environment: Does Exposure Science Protect Us? Invited symposium for the ISES-ISEE Annual Conference, August 28-September 1, 2010 Seoul Korea.
10. Use of Bar Code Technology for Assessing Consumer Product Use and Dietary Consumption. Invited symposium for the ISES-ISEE Annual Conference, August 28-September 1, 2010 Seoul Korea.
11. Bennett D. Evaluating Exposure to BDE-47 in Homes: Impact of Couch Construction, Temporal Variability and Variability in Measurement Methods. Prepared for the SETAC North America 32<sup>nd</sup> Annual Meeting, November 13-17, Boston, MA

## OTHER INVITED TALKS

2002 Inter-home Variability in Particle Penetration Efficiencies and Deposition Rates,

Presented on May 10<sup>th</sup>, 2002 at Rutgers University

2006 Exposure and Intake Fraction for Pesticides and Other Organic Compounds Released to the Indoor Environment, Presented at UC Riverside, Environmental Toxicology Seminar Series

2006 Ventilation and Indoor Air Quality (IAQ) in Small and Medium Commercial Buildings (SMCB) Phase II Field Study, California Department of Public Health Sciences, Presented at the California Interagency Working Group on Indoor Air Quality Seminar Series

2006 VOC Study and Intake Fraction for Indoor Environments, Presented at the California Department of Toxic Substances Control, Environmental Chemistry Laboratory Seminar Series.

2008 Personal Exposure and Respiratory Health in Dairy Workers, Presented at The Green Acres Blue Skies-UC Davis Air Quality Research Center Conference, Buehler Alumni Center, UC Davis, June 2-4, 2008

2009 The SUPERB study, integrating questionnaire, environmental media, and biological media concentrations. California Interagency Working Group on Indoor Air Quality, December 2, 2009.

2010 Energy-Related Indoor Environmental Quality Research: Small and Medium Commercial Buildings, Field Study. California Energy & Air Quality Virtual Conference- "How Energy Efficiency Affects Indoor Air Quality". October 26, 2010 Lawrence Berkeley National Laboratory, Berkeley, CA

## CONTRIBUTED ORAL PRESENTATIONS:

1. **Bennett, D.H.**, McKone, T.E., and Kastenber, W.E., Overall Human Exposure Based on Spatial Range and Persistence, prepared for the Annual Meeting of the Society of Environmental Toxicology and Chemistry (SETAC), November 15 to 19, 1998 in Charlotte, NC.
2. **Bennett, D.H.**, Kastenber, W.E., McKone, T.E.; Overall Human Exposure Based On Spatial Range And Persistence, prepared for the Society for Risk Analysis Annual Meeting, December 5-9, 1998 in Phoenix, Arizona
3. **Deborah H. Bennett**, T. E. McKone and W.E. Kastenber , Classification and Uncertainty Analysis of Spatial Range in a Multimedia Environment. Prepared for the 9th Annual Meeting of SETAC-Europe, May 25-29, 1999 in Leipzig Germany.
4. **Bennett, D.H.**, T.E. McKone, and W.E. Kastenber, "The Effect of Characteristic Travel Distance on Population Based Dose in a Multimedia Environment," prepared for the Annual Meeting of the Society of Environmental Toxicology and Chemistry (SETAC), November 14 to 18, 1999 in Philadelphia, PA.
5. **Bennett, D.H.**, T. E. McKone, and W. E. Kastenber, "Persistent Organic Pollutants and Population Based Human Exposure," prepared for the Annual Meeting of the Society for Risk Analysis, December 5 to 8, 1999 in Atlanta, GA.
6. **Deborah H. Bennett**, Martin Scheringer, Thomas E. McKone and Konrad Hungerbühler. The Scientific Basis for Predicting Long Range Transport: prepared for the Annual Meeting of the Society of Environmental Toxicology and Chemistry (SETAC), November 12 to 16, 2000 in Nashville, Tennessee

7. **Deborah H. Bennett** and Thomas E. McKone, Determining the appropriate level of model complexity: prepared for the Annual Meeting of the Society of Environmental Toxicology and Chemistry (SETAC), November 12 to 16, 2000 in Nashville, Tennessee
8. **Deborah H. Bennett**, Matt McCloud, Randy Maddalena, Tom McKone, and Don Mackay, Pollutants Without Borders: Tracking the Long-Range Impact of Persistent Chemicals, prepared for the Annual Meeting of the Society for Risk Analysis, December 3 to 6, 2000 in Washington D.C.
9. Mark J. O'Brien, Arturo A. Keller, **Deborah H. Bennett** and William E. Kastenbergh, Health Risks Associated with Early Transfer of Contaminated Properties – Port of Oakland Case Study prepared for the Annual Meeting of the Society for Risk Analysis, December 3 to 6, 2000 in Washington D.C.
10. **D.H. Bennett** and E. J. Furtaw, Jr., Fugacity-Based Indoor Residential Pesticide Fate Model. Prepared for the International Society of Exposure Assessment Annual Meeting, November 4-8, 2001 in Charleston, SC.
11. **D.H. Bennett** and E. J. Furtaw, The Indoor Fugacity Model, prepared for the Annual Meeting of the Society of Environmental Toxicology and Chemistry (SETAC), November 11 to 15, 2001 in Baltimore, Maryland
12. **D.H. Bennett**, R.L. Maddalena, and M. MacCloud, Applications of Fugacity and Intake Fraction to Persistent Pollutants. Prepared for the International Society of Exposure Assessment Annual Meeting, August 11-15, 2002 in Vancouver, BC Canada
13. E. J. Furtaw, Jr, **D.H. Bennett**, and T.E. McKone, An Indoor Pesticide Air and Surface Concentration Model. Prepared for the International Society of Exposure Assessment Annual Meeting, August 11-15, 2002 in Vancouver, BC Canada
14. **Bennett DH**, Sax SN, Spengler JD. Indoor-Outdoor Ratios and Source Strengths: Associated Uncertainties and Variabilities. Prepared for the 14<sup>th</sup> Annual Conference of the International Society of Exposure Analysis, October 17-21, 2004 Philadelphia, Pennsylvania, USA
15. **Bennett DH**, Koutrakis P. Determining the infiltration of Outdoor Particles in the Indoor Environment using a Dynamic Model. Prepared for the 14<sup>th</sup> Annual Conference of the International Society of Exposure Analysis, October 17-21, 2004 Philadelphia, Pennsylvania, USA
16. **Bennett D**, Lee K, Teague C, Frost J, Ritz B, Cassady D, Hertz-Picciotto I. Variability in Activity Levels as Measured with Actical Monitors Between Individuals, Days, and Seasons. Presented at the 2008 Joint Conference of ISEE and ISEA, October 12-16, 2008, Pasadena, California, USA
17. **Bennett D**, Ritz B, Cassady D, Lee K, Frost J, Lodgsen-Sacket N, Hertz-Picciotto I. Pesticide Use in California Homes with Small Children. Presented at the 2008 Joint Conference of ISEE and ISEA, October 12-16, 2008, Pasadena, California, USA
18. **Bennett D**, Moran R, Tulve NS, Clifton S., Weathers WS, Colon M. Evaluating Exposure to BDE-47 in Homes: Impact of Couch Construction. Prepared for the International Society of Exposure Science Conference, October 23-27, 2011, Baltimore, MD.