

# Brandon Emil Boor

Purdue University - Lyles School of Civil Engineering  
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## Current Position

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**Purdue University** West Lafayette, Indiana (Aug. 2015-Present)  
Assistant Professor of Civil Engineering (Architectural Engineering area) and Environmental & Ecological Engineering (by courtesy)

**Research Areas:** Indoor aerosols, human exposure assessment, airborne nanoparticles, bioaerosols (fungi, bacteria, pollen, allergens), air quality in occupational workplaces, particle resuspension, combustion/engine exhaust aerosols, urban air pollution, early-life/infant exposures, low-cost air quality monitoring, health effects of air pollution, fate & transport of VOCs/SVOCs, ventilation and filtration strategies for low-energy buildings.

## Education

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**The University of Texas at Austin** Austin, Texas (2011-2015)

- Ph.D., Civil Engineering, August 2015
- Dissertation: *Studies on Particle Resuspension, Infant Exposure & the Sleep Microenvironment*
- Dissertation Advisors: Atila Novoselac & Ying Xu

**The University of Texas at Austin** Austin, Texas (2009-2010)

- M.S.E., Environmental & Water Resources Engineering, December 2010
- Thesis: *Monolayer & Multilayer Particle Resuspension from Indoor Surfaces: Literature Review & Experimental Methodology*

**York College of Pennsylvania** York, Pennsylvania (2005-2009)

- B.S., Mechanical Engineering, *Summa Cum Laude*, August 2009

## Awards & Honors

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- **ACS Editors' Choice** for ES&T Letters paper entitled: *Identification of Phthalate and Alternative Plasticizers, Flame Retardants, and Unreacted Isocyanates in Infant Crib Mattress Covers and Foam*
- **U.S. Environmental Protection Agency:** Science to Achieve Results (STAR) Fellowship (2014-2015)
- **Best Student Paper Award** (one of top 5 among 250 papers) at the Indoor Air 2014 Conference for paper entitled: *Infant Crawling-Induced Resuspension of Settled Floor Dust*
- **U.S. Department of State Fulbright Program:** Fulbright-CIMO Doctoral Grant to Finland, Co-Sponsored by the Centre for International Mobility (CIMO) (2013-2014)
- **American-Scandinavian Foundation:** Fellowship for Dissertation Research in Finland, Supported by the Scandinavian Seminar & Finnish Funds (2013-2014)
- **National Science Foundation:** Nordic Research Opportunity Supplemental Grant to Finland, Co-Sponsored by the Finnish Funding Agency for Technology & Innovation (Tekes) (2011)
- **National Science Foundation:** Graduate Research Fellowship (2010-2013)
- **National Science Foundation:** Integrative Graduate Education & Research Traineeship (IGERT) in Indoor Environmental Science & Engineering (Trainee: 2010, Affiliate: 2010-2012)
- **American Society of Heating, Refrigerating & Air Conditioning Engineers:** Graduate Student Grant-In-Aid (2010-2011); Henry Adams Scholarship (2007-2008)
- **The University of Texas at Austin:** Graduate Dean's Prestigious Fellowship Supplement (2014-2015); Walter L. & Reta Mae Moore Graduate Fellowship in Civil Engineering (2013-2014); Kolodzey Travel Grant (2012); Thrust 2000 - Hagedorn Endowed Graduate Fellowship in Engineering (2009-2013); David Bruton, Jr. Graduate School Fellowship (2010-2013)
- **York College of Pennsylvania:** Sardari & Saroj Khanna Award in Physics (2009); 1st Place Honors in the 2009 York College Student Scholars Week Poster Competition for the Physical Sciences Department; Academic Senate Scholarship (2007-2008); Student Association Service Scholarship

(2007-2008); Alpha Chi National College Honor Society (2007-2009); Outstanding Freshman Award (2006); Dean's Academic Scholarship (2005-2009)

- **Society of American Military Engineers:** Sundt Scholarship (2005-2009)

## Professional Appointments

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### Academic & Research Affiliations at Purdue University

Ray W. Herrick Laboratories, School of Mechanical Engineering (Aug. 2015-Present)  
Center for High Performance Buildings (CHPB) (Aug. 2015-Present)  
Ecological Sciences & Engineering (ESE) Interdisciplinary Graduate Program (Jan. 2016-Present)

**University of Helsinki Division of Atmospheric Sciences & Finnish Institute of Occupational Health**  
*Visiting Researcher*, Urban & Indoor Aerosols Group Helsinki, Finland (Sept. 2013-Aug. 2015)

**The University of Texas at Austin** Austin, Texas (Aug. 2009-Aug. 2015)  
*EPA STAR & NSF Graduate Research Fellow*, Building Energy & Environments Group

**University of Jordan Department of Physics** Amman, Jordan (May-June 2014)  
*Visiting Researcher*

**VTT Technical Research Centre of Finland** Espoo, Finland (Aug.-Dec. 2011)  
*NSF Nordic Research Opportunity Fellow*, Indoor Spaces & Environments Group

**National Institute of Standards & Technology (NIST)** Gaithersburg, Maryland (Jan. 2008-Jan. 2009)  
*Engineering Co-op Student*, Energy & Environment Division, Indoor Air Quality & Ventilation Group

**BAE Systems, Inc.** York, Pennsylvania (May-Aug. 2007)  
*Engineering Co-op Student*, Ground Systems Division

**Johns Hopkins University Applied Physics Laboratory** Laurel, Maryland (Sept. 2004-May 2005)  
*Engineering Intern*, Aerospace Research & Development

## Peer-Reviewed Journal Publications

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1. Cao, G., Liu, S., **Boor, B.E.**, and Novoselac, A. (2015). Characterizing the Dynamic Interactions and Exposure Implications of a Particle-Laden Cough Jet with Different Room Airflow Regimes Produced by Low and High Momentum Jets. *Aerosol & Air Quality Research*, 15:1955-1966.
2. **Boor, B.E.**, Liang, Y., Crain, N.E., Järnström, H., Novoselac, A., and Xu, Y. (2015). Identification of Phthalate and Alternative Plasticizers, Flame Retardants, and Unreacted Isocyanates in Infant Crib Mattress Covers and Foam. *Environmental Science & Technology Letters*, 2(4):89-94.
3. Mølgaard, B., Viitanen, A.K., Kangas, A., Huhtiniemi, M., Larsen, S.T., Vanhala, E., Hussein, T., **Boor, B.E.**, Hämeri, K., and Koivisto, A.J. (2015). Exposure to Airborne Particles and Volatile Organic Compounds from Polyurethane Molding, Spray Painting, Lacquering, and Gluing in a Workshop. *International Journal of Environmental Research & Public Health*, 12(4):3756-3773.
4. **Boor, B.E.**, Spilak, M.P., Corsi, R.L., and Novoselac, A. (2015). Characterizing Particle Resuspension from Mattresses: Chamber Study. *Indoor Air*, 25(4):441-456.
5. **Boor, B.E.**, Järnström, H., Novoselac, A., and Xu, Y. (2014). Infant Exposure to Emissions of Volatile Organic Compounds from Crib Mattresses. *Environmental Science & Technology*, 48(6):3541-3549.
6. Spilak, M.P., **Boor, B.E.**, Novoselac, A., and Corsi, R.L. (2014). Impact of Bedding Arrangements, Pillows, and Blankets on Particle Resuspension in the Sleep Microenvironment. *Building & Environment*, 81:60-68.
7. **Boor, B.E.**, Siegel, J.A., and Novoselac, A. (2013). Wind Tunnel Study on Aerodynamic Particle Resuspension from Monolayer and Multilayer Deposits on Linoleum Flooring and Galvanized Sheet Metal. *Aerosol Science & Technology*, 47(8):848-857.

8. **Boor, B.E.**, Siegel, J.A., and Novoselac, A. (2013). Monolayer and Multilayer Particle Deposits on Hard Surfaces: Literature Review and Implications for Particle Resuspension in the Indoor Environment. *Aerosol Science & Technology*, 47(8):831-847.

#### **Under Review**

9. Cao, G., Liu, S., **Boor, B.E.**, and Novoselac, A. Dynamic Interaction of a Downward Plane and a Cough a Jet Regarding Particle Transmission: An Analytical and Experimental Study. Submitted to the *Journal of Occupational and Environmental Hygiene*.

#### **Invited Lectures**

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1. **Boor, B.E.** (2016). Surrounded by a Cloud of Dust: Particle Resuspension in Indoor Environments. *Workshop on the Health Risks of Indoor Exposure to Particulate Matter, The National Academies of Sciences, Engineering, and Medicine*, Washington, D.C., February 2016 (telecast to over 400 viewers). Video available on YouTube: <https://www.youtube.com/watch?v=e15YQzkYR9A>.
2. **Boor, B.E.** (2015). A Breath of Indoor Air: New Directions on Infant Exposure and Particle Resuspension. *Purdue University Lyles School of Civil Engineering Seminar*, West Lafayette, Indiana, March 2015.
3. **Boor, B.E.** (2015). Particle Resuspension in Indoor Environments: Overview and New Insights. *University of Helsinki Division of Atmospheric Sciences Seminar*, Helsinki, Finland, February 2015.
4. **Boor, B.E.** (2014). From Sleeping to Crawling: Studies on Human Exposure. *National Institute for Health & Welfare Department of Environmental Health Research Seminar*, Kuopio, Finland, October 2014.
5. **Boor, B.E.** (2014). Exposure to Indoor Air Pollutants while Sleeping. *Aalto University Department of Energy Technology Research Seminar*, Espoo, Finland, May 2014.
6. **Boor, B.E.** (2014). Chemical Emissions from Infant Crib Mattresses. "Healthy Beds" Workshop with the Finnish Allergy & Asthma Federation & VTT Expert Services Ltd., Espoo, Finland, May 2014.

#### **Conference Proceedings & Presentations**

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1. Wu, T.\* and **Boor, B.E.** (2016). Real-Time Measurements of Fluorescent Biological Aerosol Particles in the Infant Near-Floor Microenvironment in a Child Development Laboratory School. Abstract Submitted to *American Association for Aerosol Research (AAAR) 35th Annual Conference*, Portland, OR, October 2016.
2. **Boor, B.E.** and Rim, D. (2016). Building-Integrated Low-Cost Optical Particle Counters: Conceptual Framework and Field Measurements in an Occupied Office and Air Handling Unit. Abstract Submitted to *American Association for Aerosol Research (AAAR) 35th Annual Conference*, Portland, OR, October 2016.
3. Täubel, M., Saari, S., Hyvärinen, A., Holopainen, R., Viitanen, A.K., Vainiotalo, S., Tuomi, T., Keskinen, J., Hämeri, K., and **Boor, B.E.** (2016). Microbiota of Floor Dust and Human Exposure Implications of Resuspension Scenarios. Abstract Submitted to *ISME 16: 16th International Symposium on Microbial Ecology*, Montreal, Canada, August 2016.
4. Alraddadi, O., Leuner, H., **Boor, B.E.**, Hutzler, W., and Dana, M. (2016). Air Cleaning Performance of a Biowall for Residential Applications. *2016 Purdue Herrick Conference*, West Lafayette, IN, July 2016.
5. **Boor, B.E.**, Täubel, M., Holopainen, R., Viitanen, A.K., Vainiotalo, S., Tuomi, T., Keskinen, J., Hyvärinen, A., Hämeri, K., and Saari, S. (2016). Resuspension of Fluorescent Biological Aerosol Particles from Carpeted Flooring. *Indoor Air 2016: 14th International Conference on Indoor Air Quality and Climate*, Ghent, Belgium, July 2016.
6. **Boor, B.E.**, Holopainen, R., Täubel, M., Viitanen, A.K., Koivisto, A.J., Vainiotalo, S., Salmi, K., Tuomi, T., Hyvärinen, A., Hämeri, K., Novoselac, A., and Xu, Y. (2016). Infant Crawling-Induced Particle Resuspension: Size-Resolved Resuspension Rates Derived from a Three-Zone Model. *Indoor Air 2016: 14th International Conference on Indoor Air Quality and Climate*, Ghent, Belgium, July 2016.
7. Täubel, M., Saari, S., Hyvärinen, A., Holopainen, R., Viitanen, A.K., Vainiotalo, S., Tuomi, T., Keskinen, J., Hämeri, K., and **Boor, B.E.** (2016). Resuspension of Microbes in Floor Dust and Implications for Human Exposure. *Indoor Air 2016: 14th International Conference on Indoor Air Quality and Climate*, Ghent, Belgium, July 2016.

8. Tian, Y., Ferro, A.R., and **Boor, B.E.** (2016). Stirring Up House Dust: A Review of Recent Experimental Studies on Human-Induced Particle Resuspension from Flooring, Clothing, and Upholstery. *DUST 2016: 2nd International Conference on Atmospheric Dust*, Taranto, Italy, June 2016.
9. **Boor, B.E.**, Nogueira dos Santos, V., Abdullah, H., and Hussein, T. (2015). Mobile Measurements of 10 nm to 10 µm Particles and Black Carbon in Amman, Jordan. *American Association for Aerosol Research (AAAR) 34th Annual Conference*, Minneapolis, MN, October 2015.
10. Kangas, A., Viitanen, A.-K., Huhtiniemi, M., Koivisto, A.J., Vanhala, E., Fonseca, A.S., Mølgaard, B., **Boor, B.E.**, Hussein, T., and Hämeri, K. (2015). Comparison of Nanosized Particles and Gaseous Compounds in Different Work Environments. *SENN 2015 - International Congress on Safety of Engineered Nanoparticles and Nanotechnologies*, Helsinki, Finland, April 2015.
11. Hussein, T., Nogueira dos Santos, V., and **Boor, B.E.** (2015). Particle Number Size Distributions in Jordan Derived from Portable Instruments in a Mobile Setup. *Physics Days 2015 - The 49th Annual Meeting of the Finnish Physical Society*, Helsinki, Finland, March 2015.
12. **Boor, B.E.**, Holopainen, R., Viitanen, A.K., Koivisto, A.J., Täubel, M., Vainiotalo, S., Salmi, K., Tuomi, T., Hyvärinen, A., Hämeri, K., Novoselac, A., and Xu, Y. (2015). Infant Exposure to Resuspended Particles from Carpeted Flooring: Experimental Chamber Study with a Simplified Mechanical Crawling Infant. *Sisäilmastoseminaari 2015 - Finnish Indoor Climate Conference*, Helsinki, Finland, March 2015.
13. Viitanen, A.-K., Kangas, A., Huhtiniemi, M., Vanhala, E., Fonseca, A.S., Mølgaard, B., **Boor, B.E.**, Hussein, T., Hämeri, K., and Koivisto, A.J. (2015). Ultrafine Particles and Gaseous Compounds in Various Work Environments. *Sisäilmastoseminaari 2015 - Finnish Indoor Climate Conference*, Helsinki, Finland, March 2015.
14. **Boor, B.E.**, Järnström, H., Novoselac, A., and Xu, Y. (2014). Infant Exposure to Emissions of Volatile Organic Compounds from Crib Mattresses. *International Society of Exposure Science (ISES) 24th Annual Conference*, Cincinnati, Ohio, October 2014.
15. Viitanen, A.-K., Kangas, A., Huhtiniemi, M., Peräkylä, O., Lehtipalo, K., **Boor, B.E.**, Maragkidou, A., Hämeri, K., and Koivisto, A.J. (2014). Measurement of Particles from 1 nm in a Naturally Ventilated Shop. *2014 International Aerosol Conference*, Bexco, Busan, Korea, August 2014.
16. **Boor, B.E.**, Koivisto, A.J., Hämeri, K., Novoselac, A., and Xu, Y. (2014). Infant Crawling-Induced Resuspension of Settled Floor Dust. *Indoor Air 2014: 13th International Conference on Indoor Air Quality and Climate*, Hong Kong, July 2014.
17. Liu, S., Cao, G., **Boor, B.E.**, and Novoselac, A. (2014). A Protected Occupied Zone Ventilation System to Prevent the Transmission of Coughed Particles. *Indoor Air 2014: 13th International Conference on Indoor Air Quality and Climate*, Hong Kong, July 2014.
18. **Boor, B.E.**, Liang, Y., Crain, N.E., Järnström, H., Novoselac, A., and Xu, Y. (2014). New and Used Crib Mattresses as a Source of Volatile Organic Compounds, Phthalate and Alternative Plasticizers, and Other Chemical Species in the Infant Sleep Microenvironment. *Indoor Air 2014: 13th International Conference on Indoor Air Quality and Climate*, Hong Kong, July 2014.
19. **Boor, B.E.**, Spilak, M.P., Corsi, R.L., and Novoselac, A. (2012). Inhalation Exposure to Resuspended Particles in the Sleeping Microenvironment: Chamber Study. *International Society of Exposure Science (ISES) 22nd Annual Conference*, Seattle, WA, October 2012.
20. **Boor, B.E.**, Järnström, H., Xu, Y., and Novoselac, A. (2012). Infant Sleeping Microenvironment: Infant Thermal Plume and Inhalation Exposure to Volatile Organic Compounds Originating in a Crib Mattress. *International Society of Exposure Science (ISES) 22nd Annual Conference*, Seattle, WA, October 2012.
21. **Boor, B.E.**, Järnström, H., Xu, Y., and Novoselac, A. (2012). Identification of VOCs, Phthalates, and Isocyanates in Crib Mattresses. *Healthy Buildings 2012*, Brisbane, Australia, July 2012.
22. **Boor, B.E.**, Novoselac, A., and Corsi, R.L. (2011). Inhalation Exposure to Brominated Flame Retardants in the Sleeping Microenvironment: Preliminary Modeling and Results. *Indoor Air 2011: 12th International Conference on Indoor Air Quality and Climate*, Austin, TX, June 2011.
23. **Boor, B.E.**, Siegel, J.A., and Novoselac, A. (2011). Development of an Experimental Methodology to Determine Monolayer and Multilayer Particle Resuspension from Indoor Surfaces. *2011 American*

*Society of Heating, Refrigerating & Air Conditioning Engineers (ASHRAE) Winter Conference, Las Vegas, NV, February 2011.*

24. **Boor, B.E.,** Siegel, J.A., and Novoselac, A. (2010). Experimental Methodology to Determine Absolute Particle Resuspension Fractions for Indoor Surfaces. *American Association for Aerosol Research (AAAR) 29th Annual Conference, Portland, OR, October 2010.*

\*designates graduate student advisee

## Conference Workshops

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1. **Boor, B.E.,** Tovey, E., Täubel, M., Spilak, M.P., Laverge, J., and Corsi, R.L. (2014). Sleep Microenvironments for Infants and Adults: Pollutant Exposure. Workshop at *Indoor Air 2014: 13th International Conference on Indoor Air Quality and Climate, Hong Kong, July 2014.*
2. **Boor, B.E.,** Laverge, J., Spilak, M.P., Bornehag, C.-G., and Corsi, R.L. (2012). Inhaling while Dreaming: Human Exposure to Pollutants while Sleeping. Workshop at *Healthy Buildings 2012, Brisbane, Australia, July 2012.*

## Grants

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- **National Science Foundation:** RAPID: Chemical Air Emissions from Cured-in-Place-Pipe (CIPP) Pipe Repair Activity, PI: Whelton, A.J., **Co-PI: Boor, B.E.,** \$49,999, 03/15/2016-02/28/2017.
- **Innovation for International Development Lab (I<sup>2</sup>D Lab) Seed Grant Program:** The Nandi Clean Kitchen Study, **PI: Boor, B.E.,** Co-PIs: Wells, E.M.; Lagat, D.K., \$25,000, 08/15/2016-08/15/2017.

## Teaching

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- CE 597/EEE 595: Indoor Air Quality  
Spring 2016: 22 students, Instructor: 4.7/5, Course: 4.6/5
- CE 311: Architectural Engineering  
Fall 2016

## Graduate Student Mentoring

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- **Ph.D. Student Primary Advisor (current):** Wenxin Wang (CE, Aug. 2016-Present), Tianren Wu (CE, Aug. 2016-Present)
- **M.S. Committee Member (current):** Mahmoud Nour (Advisor: Ellen Wells)
- **M.S. Committee Member (past):** Osama S. Alraddadi (Advisor: William J. Hutzler, Graduation: May 2016)

## Undergraduate Student Mentoring

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- **Advisor,** EPICS Service-Learning Design Program, Global Air Quality Trekkers (Aug. 2016-Present)
- **Co-Advisor,** Purdue Air & Waste Management Association Student Organization (Feb. 2016-Present)
- **Mentor,** Summer Undergraduate Research Fellowship (SURF) Program: Manjie Fu (2016)

## Academic & Professional Service

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- **Journal Paper Peer-Review:** *Aerosol Science & Technology* (2016: 1 mspt., 2015: 1 mspt.), *Journal of Occupational & Environmental Hygiene* (2015: 1 mspt.), *Indoor Air* (2016: 1 mspt., 2015: 1 mspt., 2014: 1 mspt., 2013: 1 mspt.), *Building & Environment* (2016: 1 mspt., 2015: 1 mspt.), *Atmospheric Environment* (2013: 1 mspt.), *Indoor & Built Environment* (2016: 1 mspt.), *Sustainable Cities & Society* (2014: 1 mspt.), *Building Simulation* (2012: 1 mspt.)
- **Conference Paper Peer-Review:** *Indoor Air 2016 Conference, 2016 ASHRAE Annual Conference, 2016 International Conference on Advances on Clean Energy Research*
- **Proposal Peer-Review:** *Science Foundation Ireland (SFI) Research Infrastructure Grants* (2016), *Environment & Health Fund (EHF) of Israel* (2015)
- **Student Fellowship & Scholarship Peer-Review:** *Borlaug Fellows Program at Purdue* (2016)

- **Panel Member at Purdue:** Graduate Student Workshop - Faculty Positions (March 2016), Faculty Hiring Panel for Post-Docs (April 2016), 2016 Office of Interdisciplinary Graduate Program (OIGP) Spring Reception Poster Competition (May 2016)
- **Voting Member**, U.S. Technical Advisory Committee (TAG) to ISO/TC 142 - Cleaning Equipment for Air and Other Gases (Jan. 2016-Present)
- **Scientific Advisor**, nExact Project on sub-5 nm particle generation, classification, and counting, for Airmodus Oy (Finland), Sociedad Europea de Analisis Diferencial de Movilidad S.L. (SEADM, Spain), and VSParticle (The Netherlands) (Jan. 2016-Present)
- **Study Abroad Committee**, Lyles School of Civil Engineering (Feb. 2016-Present)
- **Finnish Fulbright Welcome Network** (2016-Present)
- **Equality & Work Well Being Group Committee**, University of Helsinki Division of Atmospheric Sciences (Nov. 2014-Aug. 2015)
- **Planning for the *Healthy Beds* Product VOC Labeling Program in Finland**, with the Finnish Allergy & Asthma Federation & VTT Expert Services Ltd. (May-Sept. 2014)
- **Session Co-Chair**, Indoor Air 2011 & Healthy Buildings 2012 Conferences

### Professional Society Affiliations

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- American Society of Heating, Refrigerating & Air Conditioning Engineers (ASHRAE) (2008-Present)
- International Society of Indoor Air Quality & Climate (ISIAQ) (2010-Present)
- American Association for Aerosol Research (AAAR) (2010-Present)
- International Society of Exposure Science (ISES) (2012-Present)
- Nordic Society for Aerosol Research (NOSA) (2014-Present)
- Aerosol Association in the Middle East and North Africa (AAMENA) (2016-Present)
- Association of Environmental Engineering and Science Professors (AEESP) (2016-Present)

### Selected Media Coverage

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- "Indoor Air Quality Research Helps Build Safer Buildings," *Purdue Exponent*, April 8, 2016
- "Air Quality in Bed Is a Nightmare," *Scientific American*, March 17, 2015.
- "Bringing Research to Practitioners & IAQA/ASHRAE Update," Interview on *IAQ Radio: Ep. 343*, October 10, 2014.
- "Toxic Dreams: Crib Mattresses May Release Risky Fumes," *Environmental Working Group*, April 22, 2014.
- "Crib Mattress Dangers," *National Science Foundation Discoveries & Science Now: Ep. 22*, April 9, 2014.
- "UT Study Finds Crib Mattresses Emit Volatile Organic Compounds," *Austin American-Statesmen*, April 5, 2014.
- "UT Engineers Caution Parents About Chemicals in Crib Mattresses," *Alcalde*, April 4, 2014.
- "Crib Mattresses Release Potentially Harmful Chemicals, Study Finds," *Fox News*, April 2, 2014.
- "Crib Mattresses Emit High Rates of Potentially Harmful Chemicals, Cockrell School Engineers Find," *UT News*, April 2, 2014.
- "Is Your Baby's Mattress Poisoning Them as They Sleep?," *UK Daily Mail*, April 2, 2014.
- "Crib Mattresses Expose Infants To Elevated Levels of Volatile Organic Compounds," *Chemical & Engineering News of the American Chemical Society*, February 27, 2014.
- "Les Matelas, Source Méconnue de Pollution," *Le Figaro Santé*, January 8, 2013.