

JOSEPH LAQUATRA

Cornell University
Department of Design and Environmental Analysis
(607) 255-2145

393 Groton Road
Freeville, NY 13068
(607) 898-3406

EDUCATION

Ph.D., Cornell University. Field: Consumer Economics and Housing. Major: Housing; Minors: Design; Business and Public Policy. Thesis, "Housing Market Capitalization of Thermal Integrity," 1984.

M.S., Cornell University. Field: Consumer Economics and Housing. Major: Housing; Minor: Business and Public Policy. Thesis, "An Economic Analysis of a Passive Solar Multiple Family Dwelling for Upstate New York," 1982.

B.S., Cornell University, Hotel Administration, 1974.

ACADEMIC POSITIONS

January 2017 – present	Professor Emeritus. Department of Design and Environmental Analysis, Cornell University.
January 2008 – January 2017	Professor, Department of Design and Environmental Analysis, Cornell University.
January 2004 - December 2008	Hazel E. Reed Human Ecology Extension Professor in Family Policy, Cornell University.
January 2003 - December 2004	Professor and Extension Housing Specialist, Department of Design and Environmental Analysis, Cornell University.
August 1996 - July 1997	DIRECTOR FOR ADVANCED EDUCATION. Home Builders Institute, Washington, DC (Leave of Absence from Cornell University).
January 1994 - July 1994	SCHOLAR-IN-RESIDENCE. American-Polish Home Builders Institute, Gdansk, Poland (Sabbatical Appointment).
November 1992 - December 1992	ASSOCIATE PROFESSOR and EXTENSION HOUSING SPECIALIST, Department of Design and Environmental Analysis, Cornell University.
July 1986 - November 1992	ASSISTANT PROFESSOR and EXTENSION HOUSING SPECIALIST, Department of Design and Environmental Analysis, Cornell University.
March 1984 - July 1986	EXTENSION ASSOCIATE. Department of Design and Environmental Analysis, Cornell University.
January 1981 - August 1981	VISITING STAFF MEMBER, Los Alamos National Laboratory. Conducted M.S. thesis research in residence at the Lab, under appointment by U.S. Department of Energy.

FUNDED RESEARCH

Energy Enhancements in Affordable Housing: Retrofits, Education, and Post-Construction Monitoring. \$132,000. Community Environmental Center/U.S. Department of Housing and Urban Development; June 1, 2012 – August 7, 2014. J. Laquatra, PI; co-PI: Gretchen Ferenz.

Sprawl and Residential Preferences: Investigating and Building Educational Strategies on New Understandings of Land Use, \$299,880; Cornell University Agricultural Experiment Station; October 1, 2004 – September 30, 2008. J. Laquatra, PI; co-PIs: N. Bills, D. Kay, G. Poe, R. Pendall.

Syracuse Healthy Indoor Environment Living Demonstration (SHIELD) Program, U.S. Department of Housing and Urban Development, \$850,000 (Cornell amount = \$120,000), January 1, 2004 – December 31, 2006, co-principal investigator (with SUNY/ESF, Upstate Medical University, and the New York Indoor Environmental Quality Center).

IEQ Center, New York State Targeted Academic Research, \$265,000, August 1, 2001 – December 31, 2008, principal investigator.

The Value of Residential Energy Efficiency, \$10,000, U.S. Environmental Protection Agency, 12/1/00 – 9/30/01, principal investigator.

Practical Management Strategies for Reducing Risks of Exposure to Indoor Air Pollutants, \$20,000; Research/Extension Integration Grants Program; 10/1/00 - 9/31/02, principal investigator, Peter S.K. Chi, Mark Pierce and the Healthy Living and Learning Environments Program Work Team, co-PIs.

Building a Balance: Housing Affordability, Environmental Protection and Smart Land Use Decisions, \$25,000; Cornell University Community and Rural Development Institute, 10/1/99 – 9/30/03; principal investigator; Patricia Pollak, Nelson Bills, Michael Hattery, David Kay, co-PIs.

Healthy Living and Learning Environments, \$30,000; U.S. Department of Agriculture, 10/1/98 - 9/31/01, principal investigator; Lorraine Maxwell and Mark Pierce, co-PIs.

Evaluating Home And Community Environment for the Elderly, \$51,958, American Association of Retired Persons, 11/1/95-6/1/96, co-principal investigator; Patricia Pollak, PI.

Reducing the Risk of Unintentional Injuries in Public Housing: \$15,000, Directors of Extension and Research, 10/1/95-9/30/97, principal investigator; Eunice Rodriguez, co-PI.

On-Site Residential Construction Site Management, Cornell University Waste Management Institute, 1995-96, \$101,112, principal investigator.

The Role of Housing in Rural Community Vitality, U. S. Department of Agriculture, Cooperative State Research Service, 1994-98, \$46,000; co-principal investigator with Peter S.K. Chi, in participation with universities in the North Central Region.

“Optimizing Energy Efficiency and Size of Factory-Built Home Components,” New York State Energy Research and Development Authority, 1991-92, \$39,475, principal investigator.

“An Innovative Educational Program for Residential Energy Efficiency,” U.S. Department of Energy, 1990-92, \$98,910, principal investigator.

“American Households at Risk of Serious Housing Problems,” U. S. Department of Agriculture, Cooperative State Research Service, 1989-94, \$30,000 (est.), co-principal investigator with Peter S.K. Chi, in participation with universities in the North Central Region.

“Residential Energy Efficiency and Indoor Air Quality in Nonmetropolitan Areas,” U. S. Department of Agriculture, Cooperative State Research Service, Hatch Funds, 1989-92, \$20,000, principal investigator.

“Rental Housing Energy Efficiency in Nonmetropolitan Communities of New York State,” U. S. Department of Agriculture, Cooperative State Research Service, Hatch Funds, 1987-91, \$20,000, principal investigator.

“Economic, Social, Psychological, and Health Consequences of the Housing Decisions of Families,” U. S. Department of Agriculture, Cooperative State Research Service, 1986-89, \$42,800, co-principal investigator with Peter S.K. Chi, in participation with universities in the North Central Region.

EXTENSION PROGRAMS

SELECTED PUBLICATIONS

Print

J. Laquatra (2010). Recent progress in residential energy efficiency. *Housing and Home Environment News*, Fall 2010; pp. 1-4.

J. Laquatra (2010). Is a green house healthy? *Housing and Home Environment News*. Winter 2009/2010; pp. 1-4.

Laquatra, J. (2007). *Healthy Homes: Assessing Your Indoor Environment*. (English and Spanish). Ithaca: Cayuga Press. DVD available here: <http://www.human.cornell.edu/che/communications/multimedia.cfm>

Kay, D.; J. Laquatra; J.F. Suter; R. Pendall; N. Bills (2007). Do residential preferences foster sprawl in upstate New York? *Rural New York Minute*, No. 11, November. Cornell Community and Rural Development Institute: <http://devsoc.cals.cornell.edu/cals/devsoc/outreach/cardi/publications/upload/11-2007-RNYM.pdf>.

Laquatra, J. and C. Reichel (2007). Hiring a Mold Remediation Contractor. Cornell University Cooperative Extension.

Laquatra, J. (Shadow Author, 2006). Lead and Asthma Awareness. Healthy Homes for Healthy Kids. Peer Educator Manual and Training CDs. U.S. Department of Housing and Urban Development.

Tremblay, K.R.; J.L. Wysocki; M.P. Vogel; J. Laquatra; B. Allen (2006). Healthy Indoor Air for America's Homes: A Successful Partnership. *Housing and Society*, 33(1): 87-94.

Laquatra, J.; J. Boggess; M. Pierce; D. Diligent (2005). Practical management strategies to reduce exposure risks of indoor air pollutants in limited resource households. *Housing and Society*, 32(1): 39-52.

Laquatra, J., L.E. Maxwell, M. Pierce (2005). Indoor air quality, limited resource households, and childcare facilities” *Journal of Environmental Health*, 67(7): 39-43.

Laquatra, J. (2004). High performance housing,” *Housing and Home Environment News*, Fall..

Laquatra, J. and J. Boggess (2004). Building a balance: housing affordability and smart land use decisions, *Housing and Society*, 31(1): 55-72.

Laquatra, J. and M. Pierce (2004). Waste management at the residential construction site, *Journal of Solid Waste Technology and Management*, 30(2): 67-74.

Laquatra, J.; P. Pollak; N. Bills; M. Hattery; D. Kay (2002). Building a balance: housing affordability and land use. Community and Rural Development Institute, http://www.cardi.cornell.edu/land_use/000275.php.

Laquatra, J.; P. Pollak; N. Bills; M. Hattery; D. Kay (2002). Four fact sheets produced for distribution to town planning boards throughout New York State as part of the **Building a Balance** project:
The Issues Surrounding Development

Land Use Tools in New York State
Some States' Experiences
What Do New Yorkers Think About Growth and Development?

- Laquatra, J. (2002) "The Value of Energy Efficiency," Housing and Home Environment News, Winter 2002.
- Laquatra, J. and M. Pierce (2002). *Waste Management at the Home Construction Site*, Cornell Cooperative Extension.
- Laquatra, J. *Healthy Homes Resource Manual*, Ithaca: Cornell Cooperative Extension, 2001.
- Laquatra, J. and A. Gifford (2001). "The Enfield Mobile Home Replacement Program," Better Housing for Tompkins County fact sheet.
- Laquatra, J. and L. Maxwell (2000). "Radon in Schools," Facility Planning and Management Notes, 1(10).
- Laquatra, J. and D. Cullen (2000), "The Economics of Carbon Monoxide Poisoning," Alaska Building Science News, 6(1): 2-3.
- Laquatra, J. "Energy Star Homes," in Ten Bright Ideas to Promote Energy Efficiency: A Guide to Community Outreach. Washington, DC: Consumer Federation of America Foundation, 2000.
- Laquatra, J. (1999). "Energy Star Homes," Housing and Home Environment News, Spring/Summer: 5-6.
- Laquatra, J. (1999). Materials for Combustion Gases/Carbon Monoxide Awareness Week (4 news releases, 2 PSAs, 1 Consumer Calendar) in Extension Educator Promotional Kit for Indoor Air Quality Action and Awareness Month. Healthy Indoor Air for America's Homes.
- Laquatra, J. (1999), "The Dangers of Radon and Other Soil Gases," Housing and Home Environment News, Fall 1999: 1-3.
- Vogel, M.; M. Bode; J. Laquatra; K. Parrott; J. Ponessa; R. Seifert. Healthy Indoor Air for America's Homes: A Training and Reference Manual for State Program Managers and Community Educators. Bozeman: Montana State University, 2nd edition; 1999 (first edition 1996). Other publications related to this program between 1999-96 include annual resource packets for Indoor Air Quality Action and Awareness Month.
- Laquatra, J. and M. Pierce. "Basic Home Inspection," Housing Fact Sheet, 1999.
- Pierce, M. and J. Laquatra. Material Wastes in New Residential Construction. Web document, 1996: http://www.humec.cornell.edu/units/dea/extension/mtrl_waste/finalwrcolor.cfm
- Hogarth, J.; J. Laquatra; J. Segelken. Implementing Home Buyers' Educational Programs: Final Report. Washington: Cooperative State Research, Education, and Extension Service, 1995.
- Hogarth, J.; H.E. DeVries; J. Laquatra; S. Wilkins; J.E. VanHorn; L. Yungwirth. Consumer Education Network System. Northeast Regional Center for Rural Economic Development, 1994.
- "Lead Exposure in the Home," with Scott Redabaugh, Housing and Home Environment Note, DEA Fact Sheet 4, 1993.
- "Lead: A Home Remodeling Hazard," with Scott Redabaugh, Housing and Home Environment Note, DEA Fact Sheet 5, 1993.
- "Understanding Oil and Gas Heating Systems," Housing Fact Sheet, 1990.
- "Evaluating Options in Heating System Efficiency, Housing Fact Sheet, 1990.

“Types of Insulation Materials,” with James A. McCarty, Housing Fact Sheet, 1990.

“Radon in the Home Environment,” with Peter S.K. Chi, Consumer Close-Up, Department of Consumer Economics and Housing, Cornell University, No. 9, 1989.

“Indoor Relative Humidity and Human Health,” Housing and Home Environment Note, DEA Fact Sheet 3, 1989.

“Radon Information Update,” with James McCarty, Housing and Home Environment Note, DEA Fact Sheet 1, 1988.

“Factory-Built Housing,” with James McCarty, Housing and Home Environment Note, DEA Fact Sheet 2, 1988.

“Vapor Retarders in Residential Buildings,” with James A. McCarty, Housing Fact Sheet, 1989.

“Housing Affordability,” Fact Sheet for the Cornell Family Community Leadership Institute, 1989.

“Radon in the Home Environment,” Fact Sheet for the Cornell Family Community Leadership Institute, 1989.

“Energy Efficiency in Rental Housing,” Fact Sheet for the Cornell Family Community Leadership Institute, 1989.

Regular contributor to Housing and Home Environment News, quarterly Department publication, 1986 - present.

Audio/Visual Productions

M. Pierce and J. Laquatra (2010). *Healthy Homes: Issues and Answers*. Browser-linked CD. Cornell Cooperative Extension.

Laquatra, J. and C. Julian (producers) (2006). *Healthy Homes: Assessing Your Indoor Environment*. 20-minute DVD in English and Spanish. Ithaca: Cornell Cooperative Extension.

Slide/Tape Programs

“Radon Gas in the Home Environment,” Slide/Tape program, 1989.

“Heating System Efficiency,” Slide/Tape program, 1989.

“Residential Moisture Control,” Slide/Tape program, 1988.

Satellite Broadcasts and Video Tapes

Producer, *Healthy Homes DVD*, for USDA/CSREES and HUD, in preparation.

Led and spoke at the following distance learning events (to ten sites around NYS via broadband) held as part of the *Consumer Education Program for Residential Energy Efficiency*:

May 19, 2004	Lighting Energy Efficiency
September 22, 2004	Renewable Energy
October 13, 2004	Indoor Air Quality and Ventilation
December 9, 2004	Getting Your Home Ready for Winter

“Update and Community Action: Consumer Education Program for Residential Energy Efficiency,” for Cornell Cooperative Extension Educators and their program collaborators, 6 sites in New York State via broadband; September 2003.

“Healthy Homes Initiative,” National Satellite Conference broadcast from Cornell with J. Wysocki, E. Taylor, N. Harvey-Storts, K. Row, K. DiTella, D. Oliver; 2000.

“Update and Community Action: Healthy Indoor Air for America’s Homes,” International Satellite Conference broadcast from Cornell with J. Wysocki, J. Guevin, M. Bode, K. Parrott, J. Ponessa, R. Seifert, M. Vogel, N. Fey; 1998.

“Talking Trash: On-Site Residential Construction Waste Management,” Video tape and Manual, with the Home Builders Institute, the National Association of Home Builders, and the NAHB Research Center, 1997 (Distributed to every state and local home builder association in the U.S.)

- “Building a Home Buyers’ Educational Program,” Satellite Conference; with Jeanne Hogarth, 1993; edited version released as a video tape from Cornell Media Services, 1994.
- “Educating Consumers About Healthy Homes,” Video tape, teleconference, and satellite in-service for Extension Educators, with Linda Wagenet, 1993.
- “Regional and Local Economic Outlooks: Impacts on Housing and Households,” Satellite Conference; with Jeanne Hogarth; Jane McGonigal; David O. Watkins, Jr.; David Dik; Henry DeVries; Mike Allmendinger; 1991.

Media Releases [print and radio feature stories]

- “Spring Good Time to Spruce Up Home Siding,” 1998
- “Radon Debate Resolved: Radon Causes Lung Cancer,” 1998
- “Fluorescent Bulbs Easier on Environment,” 1998
- “Biological Contaminants Pollute Home,” 1998.
- “Know When to Replace a Furnace or Boiler,” 1996.
- “Heating Systems Need Regular Servicing,” 1996.
- “Housing Costs Burdensome for Some Groups,” 1995.
- “Construction Choices Can Reduce Environmental Impact,” 1995.
- “Reduce Construction Waste,” 1995.
- “Pressure-Treated Wood Poses Some Risks,” 1994.
- “Home Buyers Make Environmental Safety a Priority,” 1993.
- “Home Energy Costs Too High for Elderly,” 1992.
- “Apply Risk Assessment Theory to Indoor Air Quality,” 1991.
- “High Indoor Humidity Provokes Health Problems,” 1990.
- “No Correlation Found Between House Tightness and High Radon Levels,” 1989.
- “Some Homeowners Conserve Energy, Some Don’t” 1988.
- “Radon Detection and Remediation,” 1988.
- “High Housing Prices Dash the American Dream,” 1987.
- “New Home Insulation Products: From Dry Boards to Wet Sprays,” 1986.

EXTENSION EDUCATOR INSERVICE EDUCATION PROGRAMS

- Brief History of the Consumer Education Program for Residential Energy Efficiency and Energy Outlook. education for Cornell Cooperative Extension Educators via wide area network. Broadcast from Ithaca, NY, February 17, 2009.
- Essentials for Healthy Homes Practitioners. Inservice education for Cornell Cooperative Extension Educators. East Greenbush, NY, May 19 – 20, 2009.
- Residential energy efficiency: current issues. Inservice education for Cornell Cooperative Extension Educators. Ithaca, NY; September 9, 2008.
- “Housing Affordability & Green Construction,” session during “The Economics of Consumerism, Energy Efficiency, Financial Education and Program Evaluation,” inservice for the Family Economics and Resource Management Program Work Team of Cornell Cooperative Extension, June 12-14, 2007, Ithaca.
- Ten Energy Town Meetings for the Consumer Education Program for Residential Energy Efficiency, 2003-08.
- Peer Educator Training for Asthma Education, Syracuse Healthy Indoor Environmental Living Demonstration Program, 5 training sessions 2005-06.
- Peer Educator Training for Lead and Asthma; Healthy Homes for Healthy Kids Campaign; Atlanta, Detroit, Chicago, Houston, Los Angeles, and New York City; 2006-07.
- “Mold in Houses: Mycology, Health Effects, Prevention and Mitigation,” 2002.
- “Energy Efficiency and Indoor Air Quality,” 1996.
- “Educating Consumers About Healthy Homes,” 1993.
- “Building a Home Buyers’ Educational Program,” 1993.
- “Indoor Air Quality in Homes: Assessing the Issues and Educating Consumers,” 1990
- “Manufactured Housing as an Affordable Alternative,” 1988.
- “Buying and Selling Houses,” 1988.
- “Rental Housing: User Needs,” 1988.
- “Radon in the Home Environment,” 1987.
- “Residential Moisture Control Update,” 1986.

Funded Extension and Outreach Programs

Lead and Asthma Peer Education Project, American Small Business Alliance, \$40,088, 2008.

Healthy Homes, USDA/Cooperative State Research, Education and Extension Service and U.S. Department of Housing and Urban Development, \$48,497, 2007-09.

Improving Household and Community Financial Security Through CCE Money and Energy Management Education, Cornell Cooperative Extension, \$188,900, 2005-12.

Residential Energy Efficiency and Indoor Air Quality, \$310,000, Cornell Cooperative Extension, 2005-15.

Sprawl and residential preferences: investigating and building educational strategies on new understandings of land use, Cornell Agricultural Experiment Station and Cornell Cooperative Extension, \$299,780, 2004-2009.

“Hiring a Mold Remediation Contractor,” private gift, \$5,000, 2007.

“Lead and Asthma Peer Education Project,” Voices, Inc. \$90,000, 2006-09.

“User’s Guide for Healthy Homes DVD,” USDA/Cooperative State Research, Education and Extension Service and U.S. Department of Housing and Urban Development, \$42,000, 2006-07.

“Healthy Homes: Assessing Your Indoor Environment,” 20-minute DVD in English and Spanish. USDA/Cooperative State Research, Education and Extension Service and U.S. Department of Housing and Urban Development, \$42,000, 2005-06.

“Consumer Education Program for Residential Energy Efficiency,” New York State Energy Research and Development Authority, \$3,532,712, Project Director, 2003-14.

“Practical Management of Indoor Environmental Risks,” \$75,000, Smith-Lever (competitive), \$30,000, October 1, 2003 - September 30, 2006, principal investigator.

“Energy Star Education in New York State,” Consumer Federation of America Foundation, \$10,800, project director, 1997-2002.

1996 -present. Successful proposals to Extension Administration through the Cornell Cooperative Extension Competitive Grants to Departments (average: \$60,000/year).

“Healthy Homes Initiative,” National Satellite Conference broadcast from Cornell with J. Wysocki, E. Taylor, N. Harvey-Storts, K. Row, K. DiTella, D. Oliver; USDA/Cooperative State Research, Education and Extension Service and U.S. Department of Housing and Urban Development; 1998, \$25,000.

2000 funding \$25,000; 2001 funding \$3,000; 2002 funding \$2,300, 2003 funding \$2,500 2004 \$9,999, 2005 funding (to produce a Healthy Homes video) \$42,000, 2006-07 funding (to produce a Healthy Homes manual).

“Update and Community Action: Healthy Indoor Air for America’s Homes,” International Satellite Conference broadcast from Cornell with J. Wysocki, J. Guevin, M. Bode, K. Parrott, J. Ponessa, R. Seifert, M. Vogel, N. Fey; 1998; \$6,000, Cornell Cooperative Extension Communications Fund.

“Builders, Remodelers and Indoor Air Quality,” U.S. Environmental Protection Agency, \$46,545 (to the Home Builders Institute), project director; 1997-99. This was part of a 5-year, \$430,000 Cooperative Agreement Laquatra negotiated between the EPA and the Home Builders Institute.

“Building a Balance: Housing Affordability and Environmental Protection,” National Association of Home Builders, \$60,000 (to the Home Builders Institute), project director; 1997-99.

“Healthy Indoor Air for America’s Homes,” in cooperation with five other universities; the Cooperative State Research, Education and Extension Service, and the U.S. Environmental Protection Agency; \$70,000 (to Montana State University, Original funds were used to fund activities of the Project Development Team. J. Laquatra is one of six members of the Project Development Team) 1995-96.

Funding to Cornell:	96-97:	\$2,500
	97-98:	\$2,500
	99-00:	\$2,500
	00-01:	\$9,000
	01-02:	\$3,000
	02-03:	\$3,000
	03-04:	\$3,500
	04-05:	\$3,300

“AmeriCorps Skills Development Center,” \$15,000, University of Florida and the Corporation for National Service 1995-96.

“Building a Home Buyers’ Educational Program,” with Jeanne Hogarth, U.S. Department of Agriculture, \$30,000, 1992-93.

“Energy Education for New American Citizens,” New York State Energy Office, \$11,581, 1988-90.

“Building Energy Awareness Models,” New York State Energy Office, \$21,297, 1989-90.

“Graduate Builders Institute,” New York State Builders Association and the U.S. Home Builders Institute, \$5,000, 1988-91.

“Affordable Housing: What Communities Can Do,” with Faye Plowman, Marjorie Jensen, Joseph Ponessa, Patricia Pollak; Northeast Regional Center for Rural Development, \$24,630, 1989-90.

SELECTED INTERNATIONAL OUTREACH ACTIVITIES

Laquatra, J. Green building seminar. Presentation to Japanese homebuilders, Tokyo, Japan. Sponsored by U.S. Department of Commerce, U.S. Embassy, and Tokyu Home Construction, September 9, 2005.

Laquatra, J. (invited speaker). International Housing and Home Warranty Conference. Two presentations: “Indoor Air Quality” and “Exterior Insulation and Finish Systems: Mold and Related Concerns.” Tokyo, Japan, September 11-14, 2005.

Speaker, Indoor Air Quality. Presentation to the Japanese Delegation. International Builders Show, Las Vegas, February 2004.

Speaker. Indoor Air Quality: Technical Issues and Health Concerns. At the University of Puerto Rico, San Juan, February 21, 2001; at the University of the Virgin Islands, St. Thomas, March 13, 2001; at the University of the Virgin Islands, St. Croix, March 14, 2001.

Guest Lecturer. Research Methods; Research Communication. Moscow State Lomonosov University; Moscow, Russia. April 18-29, 2000.

Speaker. Construction Management; one-day seminars for the Japanese Housing Institute for Complete Project Management. Seminar Locations: Sapporo, Tokyo, Nagoya, Osaka-Kobe, Fukuoka. November 9-16, 1998.

Laquatra, J. and M. Pierce. Construction Management Symposium for the Japanese Housing Institute for Complete Project Management. Cornell campus and local building sites, June 1998.

Speaker. Seminar on U.S. Technology and Products for Energy-Efficient Construction in Russia, Moscow, Russia (Ministry of Investments and Construction, Russian Government); February 28 - March 1, 1995.

Speaker at a number of lectures throughout Poland, January - June 1994, while serving as Scholar-in-Residence, American Polish Home Builders Institute, Gdańsk, Poland; (Sabbatical Leave).

PUBLICATIONS

Laquatra, J. and Tripathii, E. (2019). Animated feature about the Child Breathing Zone; <https://www.dropbox.com/s/788ggg8n16r8j1n/Joseph%20Laquatra%2003-1.mp4?dl=0> produced by Science Animated.

Laquatra, J. (2018). Indoor Air Quality, in Mujeebu, M.A. (ed). *Indoor Environmental Quality*, IntechOpen, DOI: 10.5772/intechopen.81192. Available from: <https://www.intechopen.com/books/indoor-environmental-quality/indoor-air-quality>

Laquatra, J.; Pierce, M.; Hedge, A.; Lemley, A. (2018). Common pesticide residues in rural homes of New York State. *JSM Health Education & Primary Health Care*, 3(1): 1042-1045.

Tripathii, E. and Laquatra, J. (2018). Managing indoor air quality in the child breathing zone: risk analysis and mitigation, *Journal of Architectural Engineering*, 24(1): [https://doi.org/10.1061/\(ASCE\)AE.1943-5568.0000300](https://doi.org/10.1061/(ASCE)AE.1943-5568.0000300)

Laquatra, J. (2018). Sustainable housing, in Anacker, K.; Carswell, A.T.; Tremblay, K.R.; Kirby, S.D. (eds.) *Introduction to Housing*. Athens, GA: University of Georgia Press, 341-355.

Laquatra, J. and Carswell, A.T. (2016). Re-assessing the economic and analytical tools that measure and optimize households' energy efficiency improvements, *Housing and Society*, 42(3): 166-178.

Laquatra, J. (2016). Healthy indoor environments, *JSM Health Education & Primary Health Care*, 1(1): 1-3.

Carswell, A.T., Laquatra, J., and Babiarz, P. (2015). Benefit-cost analysis and its housing applications: Three examples from the production, consumption and government perspectives. In K. Anacker (Ed.), *Proceedings of the 2015 Housing Education and Research Association Conference* (pp. 51-54). Springfield, IL: http://housingeducators.org/Conference_2015/Proceedings%20-%20HERA%202015%20090415.pdf

Laquatra, J. (2015). The need for building science education, *Journal of Civil Engineering and Architecture*, 9(7): 775-779.

Laquatra, J. and Pierce, M. (2014). Alternatives to landfilling construction and demolition debris. Proceedings of the Institute of Industrial Engineering Conference and Expo, Montreal, May 31 – June 3; pp. 1381-1390.

Memari, A., Huelman, P., Iulo, L., Laquatra, J., Martin, C., McCoy, A., Nahmens, I., and Williamson, T. (2014). "Residential Building Construction: State-of-the-Art Review." *Journal of Architectural Engineering*, 20(4), SPECIAL SECTION: Housing and Residential Building Construction, pp. 1 – 38. [http://dx.doi.org/10.1061/\(ASCE\)AE.1943-5568.0000157](http://dx.doi.org/10.1061/(ASCE)AE.1943-5568.0000157)

- Laquatra, J. (2014). Lead in household products, in S.M. Snedeker (ed.) *Toxicants in Plastics and Paper: Exposure and Health Risks to Consumers from Household Products and Food Packaging*, Molecular and Integrative Technology, DOI: 10.1007/978-1-4471-6500-2_9; London: Springer-Verlag: 231-243.
- Laquatra, J. and Pierce, M. (2014). Waste management at the residential construction site. *Cityscape*, 16(1): 313-317.
- Laquatra, J. (2013). *Lead Wars: the Politics of Science and the Fate of America's Children*, by Gerald Markowitz and David Rosner. Berkeley, CA: University of California Press (2013), 298 pages. *Housing and Society*, 40(2): 246-249. (Book review)
- Pierce, M. and Laquatra, J. (2013). Storm windows save heating energy. *Home Energy*, 30(3): 30-34.
- Laquatra, J. (2012). Environmental Contamination: Asbestos (168-169) and Environmental contamination: radon (174-175). In A. Carswell (ed.), *Encyclopedia of Housing*. Thousand Oaks, CA: SAGE Publications.
- Pierce, M. and J. Laquatra (2011). Accidentally breaking a CFL-is it mayhem? *Home Energy*. 28(6), November/December, pp. 16-18.
- Laquatra, J. and M. Pierce (2011). Toward more sustainable construction. 3-part series in iGreenbuild. July, September, October.
http://www.igreenbuild.com/_coreModules/content/contentDisplay.aspx?contentID=3589
- Laquatra, J. and M. Pierce (2011). Waste management at the construction site. In S. Kumar (ed.), *Integrated Waste Management, Volume I*. InTech, pp. 281-300.
<http://www.intechopen.com/articles/show/title/waste-management-at-the-construction-site>
- Wells, N.M. and J. Laquatra (2010). Why green housing and green neighborhoods are important to the health and well-being of older adults. *Generations*, 33(4): 50-55.
- Laquatra, J. and M. Pierce (2010). A home builder's guide to waste management at the construction site. Proceedings of the 25th International Conference on Solid Waste Technology and Management, Philadelphia, PA, March 14-17, 2010.
- Laquatra, J.; Pierce, M.; Helmholdt, N. (2009). The consumer education program for residential energy efficiency. *Journal of Extension*, 47(6): <http://www.joe.org/joe/2009december/a6.php>
- Laquatra, J. and M. Pierce (2009). Taking construction site waste management to the next level. *Journal of Green Building*, 4(4): 29-32. <http://www.atypon-link.com.proxy.library.cornell.edu/CPUB/doi/pdf/10.3992/jgb.4.4.29>
- Laquatra, J.; Coyne, L.; Pierce, M. (2008). Lead in Christmas lights. *Journal of Environmental Health*, 71 (5): 8-11.
- Laquatra, J.; Pillai, G.; Singh, A.; Syal, M. (2008). Green and healthy housing. *Journal of Architectural Engineering*, 14 (4): 94-97.
- Laquatra, J.; R. Pendall; D.L. Kay; J.F. Suter; N. Bills (2007). The changing nature of housing markets in Upstate New York. *Housing and Society*, 34(1): 65-75.
- Tremblay, K.R.; J.L. Wysocki; M.P. Vogel; J. Laquatra; B. Allen (2006). Healthy Indoor Air for

America's Homes: A Successful Partnership. *Housing and Society*, 33(1): 87-94.

Laquatra, J.; Pierce, M.; Hedge, A.; Lemley, A. (2005). Pesticide residues in rural homes. *Proceedings of the Annual Conference of the Housing Education and Research Association*; Denver, CO, p. 43-

45. <https://housingeducators.org/wp-content/uploads/2017/10/2005-hera-conference-proceedings.pdf>

Laquatra, J. ; J. Boggess ; M. Pierce ; D. Diligent (2005). "Practical Management Strategies to Reduce Exposure Risks of Indoor Air Pollutants in Limited Resource Households," *Housing and Society*, 32 (1): 39-52.

Laquatra, J.; L.E. Maxwell; M. Pierce (2005). "Indoor Air Pollutants, Limited Resource Households and Childcare Facilities," *Journal of Environmental Health*, 67 (7): 39-43.

Laquatra, J. (2004). "High Performance Housing," *Empire State Builder*, 7 (5): 14.

Laquatra, J. and M. Pierce (2004), "Waste Management at the Residential Construction Site," *Journal of Solid Waste Technology and Management*, 30 (2): 67-74.

Laquatra, J. and J. Boggess (2004). "Building a Balance: Housing Affordability, Environmental Regulations, and Smart Land Use Decisions," *Housing and Society*, 31 (1): 55-72.

Laquatra, J. (2003). "The Value of Energy Efficiency," *Home Energy*, 20(6): 30-32.

Laquatra, J.; L.E. Maxwell; M. Pierce (2002). "Indoor Air Pollutants, Limited Resource Households and Childcare Facilities," *Proceedings of the 9th International Conference on Indoor Air Quality and Climate*; Santa Cruz: Indoor Air 2002.

Laquatra, J. and M. Pierce (2002), *Waste Management at the Home Construction Site*, Cornell Cooperative Extension, 2002.

Chi, P.S.K. and J. Laquatra (2001), "Community Attributes for Developing Group Housing for the Elderly in the United States," *Hallym International Journal of Aging*, Vol. 3, No. 2: 237-252.

Laquatra, J. "Indoor Air Quality Issues for Builders and Remodelers," in E. Burnett (ed.) *Housing Innovation – Healthy Environments for Living and Learning*. Pennsylvania Housing Research Center, Research Series Report No. 74: 1-10, 2001.

Laquatra, J. and G. Potter, "Building a Balance: Housing Affordability and Environmental Protection," *Electronic Green Journal*, Issue 12, 2000.

Laquatra, J. and D. Cullen. "The Economics of Carbon Monoxide Poisoning," *Alaska Building Science News*, 6(1): 2-3, 2000.

Laquatra, J.; J. Wysocki; E. Taylor; N. Harvey-Storts; K. Row; K. DiTella; D. Oliver. "Healthy Homes Initiative," Video Tape of National Satellite Conference broadcast from Cornell, 2000 (also Web-streamed).

Vogel, M.; M. Bode; J. Laquatra; K. Parrott; J. Ponessa; R. Seifert. *Healthy Indoor Air for America's Homes: A Training and Reference Manual for State Program Managers and Community Educators*. Bozeman: Montana State University, 2nd edition; 1999 (first edition 1996).

Laquatra, J. and G. Potter. *College-Level Environmental Information: Building a Balance-Housing Affordability and Environmental Protection*. Washington DC: National Association of Home Builders, 1999.

Laquatra, J. and C.A. DeWitt. *Energy Efficient Construction*. Washington DC: Home Builders Institute, 1999.

Laquatra, J. ENERGYSTAR Homes. *Empire State Builder*, 2(3): 8-9; 1999.

- Rodriguez, E., J. Mead, J. Laquatra, P. Chandra. Studying the Prevention of Unintentional Injuries in Public Housing, *Housing and Society*, 25(3): 23-42; 1998.
- Laquatra, J. "Energy Conservation" (pp. 138-141), "Environmental Contamination: Asbestos" (pp. 144-145), "Environmental Contamination: Radon" (pp. 146-147), "Home Energy Rating Systems" (pp. 227-228), in W. van Vliet (ed.). *The Encyclopedia of Housing*. Thousand Oaks, CA: Sage Publications, 1998.
- Laquatra, J.; M. Bode; C.A. DeWitt; K. Parrott; J. Ponessa; M.P. Vogel; J.L. Wysocki. *Builders, Remodelers, and Indoor Air Quality*. Washington, DC: Home Builders Institute (1998).
- Chi, P. and J. Laquatra. Profiles of Housing Cost Burden in the United States, *Journal of Family and Economic Issues*, 19 (1), 1998.
- Laquatra, J.; J. Wysocki; J. Guevin; M. Bode; K. Parrott; J. Ponessa; R. Seifert; M. Vogel; N. Fey. "Update and Community Action: Healthy Indoor Air for America's Homes," Video Tape of International Satellite Conference broadcast from Cornell, 1998.
- Laquatra, J. Talking Trash: On-Site Residential Construction Waste Management, Video Tape produced with the Home Builders Institute, 1997.
- Laquatra, J. and G. Potter. "Select Annotated Bibliography," in *College-Level Environmental Information – Building a Balance: Housing Affordability and Environmental Protection*. Washington: National Association of Home Builders, 1997.
- Laquatra, J. Housing Policy in Britain and Europe (book review), *Housing and Society*, 23 (2), 1996.
- Laquatra, J.; M. Pierce; P. Polivchak. Housing in an Environmental Context, *Social Science Research on Housing, Volume 3*, University of Minnesota, 1996.
- Laquatra, J. and P.M. Polivchak. Housing Production in Poland: Adapting to a Changing Economy. in C. Guangting and M.H. Choko (eds.) *Housing and Urban Development in the 21st Century*. Beijing: Beijing Scientific and Technical Editions (Chinese), 1995.
- Laquatra, Joseph and Philip Polivchak. Housing Production in Poland: Adapting to a Changing Economy, *Building Research Journal*, 4 (1), 1995.
- White, Betty Jo; John Peaslee; Joseph Laquatra. Comparing Housing Affordability and Quality Among Disability Households: The United States and Its Regions, *Journal of Family and Economic Issues*, 15 (4), 1995.
- Ichimune, H.; H. Ohno; M. Iwata; J. Laquatra. "A Study on Housing Information Offered by Cooperative Extension Services at Land-Grant Colleges in the USA," *Annual Report of the Housing Research Foundation*. Tokyo: Housing Research Foundation, 329-340; 1995.
- Laquatra, J. and J. Matyskiewicz. *Framing*. Gdańsk, Poland: American Polish Home Builders Institute, 1994.
- Laquatra, J.; J.E. Peaslee; B.J. White. Housing Problems of the Disabled in the United States, *Housing and Society*, 21 (2), 1994.
- Hogarth, Jeanne and Joseph Laquatra. Building a Home Buyers' Educational Program, *Housing and Society*, 21 (3), 29-35, 1994.
- Laquatra, Joseph and Peter S.K. Chi. Manufactured Housing in Nonmetropolitan Areas: Its Potential and Problems, in E.W. Morris and E.G. Goetz (eds.). *Social Science Research in Housing, Volume 2*, St. Paul: University of Minnesota, 1994.

- Ichimune, Hiroko and Joseph Laquatra. Housing Information Needs and the Remodeling Process (Part 2): Characteristics of the Housing Information Needs in New York State, *Journal of Home Economics of Japan*, 45 (3), 1994.
- White, Betty Jo; John Peaslee; Joseph Laquatra. The Nonmetropolitan Disabled and Housing Problems: A Preliminary Analysis, in T. Van Valey, S.R. Crull, and L. Walker (eds.), *The Small City and Regional Community*, Vol. 10, pp. 609-617. Stevens Point, WI: Foundation Press, Inc., 1993.
- Laquatra, Joseph and Hiroko Ichimune. Information-Seeking Behaviors and the Home Remodeling Process, *Housing and Society*, 20 (1), 1993.
- Hogarth, Jeanne and Joseph Laquatra. Building a Home Buyers' Educational Program. Video tape of the Satellite Conference, December 1, 1993.
- Ichimune, Hiroko and Joseph Laquatra. Housing Information Needs and the Remodeling Process (Part 1): Characteristics of the Home Remodeling Processes in New York State, *Journal of Home Economics of Japan*, 44 (5), 1993.
- Laquatra, Joseph; James A. McCarty; M. Emanuel Levy; Paul Romano. The Potential for Improved Affordability and Energy Efficiency in Panelized Housing, *Building Research Journal*, 2 (2), 1993.
- Laquatra, Joseph. Radon in Rental Housing, in E.W. Morris and E.G. Goetz (eds.). *Social Science Research in Housing*, Volume 1, St. Paul: University of Minnesota, 1993; 115-124.
- Chi, Peter S.K.; Joseph Laquatra; H.W. Park. Identifying American Households at Risk of Housing Problems, in E.W. Morris and E.G. Goetz (eds.) *Social Science Research in Housing*, Volume 1, St. Paul: University of Minnesota, 1993; 1-22.
- Laquatra, Joseph and James A. McCarty. Housing Technology in the United States, *Housing and Society*, 19 (2), 1992.
- Laquatra, Joseph and Linda Wagenet. Educating Consumers About Healthy Homes, Video tape of Extension Agent Inservice Education Program, 1992.
- Laquatra, Joseph. Rural Landlords and Rental Housing Energy Efficiency, *Energy Policy*, 20 (9), 1992.
- Laquatra, Joseph and James A. McCarty. Housing Technology in the United States, *Human Ecology Forum*, 20 (1), 1992.
- Laquatra, Joseph. Energy Costs and Housing Affordability, video from the Cornell Cooperative Extension Satellite Conference, Regional and Local Economic Outlook: Impacts on Housing and Households, June 18, 1991.
- Laquatra, Joseph and Sandra A. Zaslow (eds.) *Indoor Air Quality in Homes: Synthesizing the Issues and Educating Consumers*. Champaign, IL: Building Research Council-Small Homes Council, 1991.
- Laquatra, Joseph. Inspecting a Home, in James A. McCarty (ed.) *Home Buyers' Guide*. Ithaca, NY: Northeast Regional Agricultural Engineering Service, 1991.
- Laquatra, Joseph. Local Building Officials and Rental Housing Energy Efficiency, *Housing and Society*, 17 (3), 1990.
- Laquatra, Joseph. Community-Based Radon Education Programs, *Proceedings of the 1990 International Symposium on Radon and Radon Reduction Technology (Volume I)*, Washington: U.S.Environmental Protection Agency, EPA/600/9 90/005a, 1990.

- Chi, Peter S.K. and Joseph Laquatra. Energy Efficiency and Radon Risks in Residential Housing, *Energy, The International Journal*, 15 (2), 1990.
- McCarty, James and Joseph Laquatra. Educating Future Energy Users Today, *Journal of Extension*, Vol. XXVII, Winter 1989.
- Laquatra, Joe. Making Houses Radon-Free, *Human Ecology Forum*, 17 (3), 1989.
- Laquatra, Joseph and Peter S.K. Chi. Determinants of Homeowner's Response to Energy Conservation in Non-Metropolitan Areas, *Energy, The International Journal*, 14 (7), 1989.
- Laquatra, Joseph and Peter S.K. Chi. Radon in the Home Environment, *The Nelson A Rockefeller Institute of Government Reprint Series*, Spring 1989.
- Laquatra, Joseph (ed.). *Proceedings of the 1988 Annual Conference of the American Association of Housing Educators*. College Station, TX: American Association of Housing Educators, 1989.
- Laquatra, Joseph and Peter S.K. Chi. Residential Moisture Conditions and Perceived Health Status, in Merrill John and Kathleen Parrott (eds.) *Condensation and Related Moisture Problems in the Home*, Champaign, IL: Small Homes Council – Building Research Council, 1988.
- Barner, Phyllis; Joseph Laquatra; Joseph T. Ponessa. Housing Affordability in the Northeast, *Housing and Society*, 15 (3), 1988.
- Laquatra, Joseph. Housing Educators and Residential Energy Efficiency: A Review of Technological and Economic Aspects of Energy Conservation, *Housing and Society*, 15 (2), 1988.
- Laquatra, Joseph. Windows and Energy Efficiency, *Empire State Builder*, 4 (3), 1988.
- Laquatra, Joseph. Making New Houses Radon Free, *Empire State Builder*, 4 (4), 1988.
- Laquatra, Joseph. Advances In Construction Technology, *Empire State Builder*, 4 (5), 1988.
- Laquatra, Joseph. Rental Housing Energy Efficiency, *Energy Policy*, 15 (6): 549-558, 1987.
- Laquatra, Joseph. Toward Affordable Housing, *Human Ecology Forum*, 15 (4), 1986.
- Laquatra, Joseph. (1986). Housing market capitalization of thermal integrity, *Energy Economics*, 8 (3): 134-138.
- Laquatra, Joseph. Valuation of Household Investment in Energy Efficient Design, in Kempton, Willett and Max Neiman (eds.), *Energy Efficiency: Perspectives On Individual Behavior*, Washington, D.C.: American Council for an Energy Efficient Economy, 1986.
- Laquatra, Joe. Contemporary Style Dollhouse Includes Passive Solar Features, *Workbench*, 42 (6), 1986.
- Laquatra, Joseph. *An Economic Analysis of a Passive Solar Multiple Family Dwelling for Upstate New York*. Los Alamos National Laboratory, LA-9212-T, 1982.
- (Other publications include a monthly column during 1995-96 about construction issues for the magazine, *Murator*, which is targeted to homebuilders throughout Poland.)

CONFERENCE PRESENTATIONS

Laquatra, J. Speaker, Lead in Household Products. Global Conference on Neuroscience and Neurology, Chicago, IL, August 24, 2019.

Laquatra, J. Speaker, Housing Sustainability. Annual Conference of the American Association of Geographers, Washington, DC, April 5, 2019.

Tripathii, E. and Laquatra, J. Managing indoor air quality in the child breathing zone: risk analysis and mitigation with an innovative, smart and responsive system. Lead and Healthy Housing Conference, Philadelphia; November 8, 2017.

Carswell, A.; Laquatra, J.; Babiarz, P. Benefit-Cost Analysis And Its Housing Applications: Three Examples From The Production, Consumption And Government Perspectives. Annual Conference of the Housing Education and Research Association. Springfield, IL. October 11 – 14, 2015.

Laquatra, J., Panel Member. Past Presidents' Panel. Annual Conference of the Housing Education and Research Association. Springfield, IL. October 11 – 14, 2015.

J. Laquatra, Indoor Air Quality, Panel Member, Public Health/Safety Panel. Environmental Justice & Education Workshop. State University of New York, Orange County; Newburgh, NY; September 23, 2015.

Laquatra, J. The consumer education program for residential energy efficiency. Communications Workshop: Connecting climate change, smart grid, and consumer attitudes; National Summit on Smart Grid & Climate Change. Washington, DC; December 2 – 3, 2014 (invited).

Laquatra, J. Session Chair and Speaker, Green, energy-efficient, and healthy homes. Low-Carbon Earth Summit. Qingdao, China, September 21-23, 2014 (invited).

Laquatra, J. and M. Pierce. Alternatives to landfilling construction and demolition debris. Industrial and Systems Engineering Research Conference & Exposition, Montreal, May 31 – June 3, 2014.

Laquatra, J. The need for building science education, 1st Residential Building Design and Construction Conference, Bethlehem, PA, February 20-21, 2013.

Laquatra, J. and M. Pierce. Alternatives to landfilling gypsum wallboard waste, Technology Tuesday Webinar Series. Pennsylvania Recycling Markets Center/Pennsylvania State University/Harrisburg, December 11, 2012.

J. Laquatra, Reentering a flooded home. National Extension Association of Family and Consumer Sciences, NE Chapter, Ballston Spa, NY. June 1, 2012.

J. Laquatra and M. Pierce. 2012 International Energy Conservation Code and Health. National Healthy Homes Conference, New Orleans. May 1 – 4, 2012.

J. Laquatra, Reentering a flooded home. New York State Conference of Environmental Health Directors, Syracuse, March 27, 2012.

J. Laquatra and M. Pierce, Alternatives to landfilling gypsum wallboard waste. 27th International Conference on Solid Waste Technology and Management, Philadelphia, PA, March 12 - 15, 2012.

J. Laquatra, Why green housing and green neighborhoods are important to the health and well-being of older adults. Twenty-third annual Affordable Housing Conference. Rensselaer, NY, October 27 - 28, 2011.

J. Laquatra, session chair. Energy. 2011 Annual Conference of the Housing Education and Research Association. Baton Rouge, October 12 - 15, 2011.

J. Laquatra. Making your home energy efficient and healthy. Greentopia Conference. Rochester, September 18, 2011.

J. Laquatra and Ann Gifford, poster presentation. The consumer education program for residential energy efficiency. The American Council on Consumer Interests 2011 Annual Conference. Washington, D.C., April 14 - 15, 2011.

J. Laquatra (speaker) and M. Pierce. Construction and demolition debris: where we've been and where we should go. 26th International Conference on Solid Waste Technology and Management, Philadelphia, PA, March 28-30, 2011.

J. Laquatra, session chair. Use of waste materials. 26th International Conference on Solid Waste Technology and Management. Philadelphia, PA, March 28 - 30, 2011.

J. Laquatra (invited speaker). Teaching tools and resources for healthy homes programs. National Healthy Housing Conference, Miami, FL, February 7-10, 2011.

J. Laquatra, Recent progress in residential energy efficiency. Annual conference of the Housing Education and Research Association. Portland, OR, November 3-6, 2010.

J. Laquatra. The consumer education program for residential energy efficiency. Annual Conference of the North American Association for Environmental Education. Buffalo: September 30, 2010.

J. Laquatra. Your hazardous house. Health Care Teaching Day, Council of Northern New York Infection Control Professionals. Ogdensburg, NY, May 5, 2010.

Laquatra, J. (speaker) and M. Pierce. A home builder's guide to waste management at the construction site. 25th International Conference on Solid Waste Technology and Management, Philadelphia, PA, March 14-17, 2010.

Potter, G. and J. Laquatra (2009). Residential lighting: history, energy efficiency, and health effects (Refereed Abstract). Proceedings of the 2009 Annual Conference of the Housing Education and Research Association; 169-174.

Laquatra, J. Development of *Healthy Homes: Assessing Your Indoor Environment*. 2009 Indoor Environmental Health & Technologies Conference; Orlando, FL; April 28 - May 1, 2009.

J. Laquatra (panel member). Residential Environments for Older Americans and Their Sustainability: From the Room to the Region. Cornell Conference of Aging and the Environment, Ithaca, NY; July 23 - 24, 2009.

J. Laquatra and M. Pierce (poster presentation). The consumer education program for residential energy efficiency. American Council for an Energy Efficient Economy, 5th National Conference on Energy Efficiency as a Resource. September 27 - 29, 2009, Chicago, IL.

J. Laquatra. HUD training overview. Annual Conference of the National Extension Association of Family & Consumer Sciences, Birmingham, AL; September 18, 2009.

Laquatra, J. Update: Home Energy eXtension project. State Energy Advisory Board, U.S. Department of Energy. Washington, DC; November 19, 2008.

Laquatra, J. The consumer education program for residential energy efficiency. Affordable + Green: Efficiency Housing for Today and Tomorrow. Central Valley, NY; November 13, 2008.

Laquatra, J. Current issues in residential energy efficiency. Cornell Cooperative Extension of Albany County

Annual Meeting. Voorheesville, NY; November 6, 2008.

Laquatra, J. The consumer education program for residential energy efficiency. Achieving Greener Communities through Civic, Private and Government Sector Innovation. Mt. Morris, NY; October 28, 2008.

Laquatra, J. Allergens, asthma triggers, and radon gas in homes. National Extension Association of Family and Consumer Sciences – Eastern Region Conference. Saratoga Springs, NY; October 15, 2008.

Laquatra, J. The consumer education program for residential energy efficiency. Annual Conference of the Housing Education and Research Association. Indianapolis, IN; October 7-10, 2008.

Laquatra, J. (session moderator and speaker). Healthy homes principles: A primer on the steps to creating a healthy home in rehabilitation projects. 2008 National Healthy Homes Conference. Baltimore, MD; September 16, 2008.

Laquatra, J. Development of the healthy homes manual. 2008 National Healthy Homes Conference. Baltimore, MD; September 15, 2008.

Laquatra, J. Indoor air quality; elimination of residential asthma triggers; assessing your indoor environment. Presentations for employees and grantees of the New York State Department of Health; Albany, NY; April 9 - 10, 2008.

Laquatra, J. Make your home an energy efficient and healthy habitat. Presentations to Cornell Clubs of Greater Miami and the Florida Keys (Ft. Lauderdale, March 4, 2008); the Suncoast (St. Petersburg, March 5, 2008); Eastern Florida (West Palm Beach, March 6, 2008).

Laquatra, J. (panel member). Focus on green building. International Builders' Show. Orlando, FL; February 13, 2008.

Laquatra, J. The consumer education program for residential energy efficiency (poster presentation). Association of Energy Services Professionals, Orlando, FL; January 28, 2008.

Laquatra, J. Lowering home energy costs. January Kick-Off for employees of Cornell University, Division of Residence Life. Ithaca, NY; January 8, 2008.

Laquatra, J. and M. Pierce. An Extension response to flooding in a Northern state. Annual Conference of the Extension Disaster Education Network. Hilo, HI; November 2007.

Laquatra, J.; M. Pierce; T. Hammer. Lead in Christmas lights. Annual Conference of the Housing Education and Research Association. Charlotte, NC; October 2007.

Kasal, B. and J. Laquatra. Housing research in the U.S. – where are we and where are we going? Annual Conference of the Housing Education and Research Association. Charlotte, NC; October 2007.

Laquatra, J. (moderator). Research Roundtable Session: Construction. Annual Conference of the Housing Education and Research Association. Charlotte, NC; October 2007.

Laquatra, J. Addressing indoor environmental health for limited-resource households through peer education. 2007 Priester National Extension Health Conference. Kansas City, MO; April 2007.

Laquatra, J. (speaker, all day class). Energy Efficient Construction. Builders Association of the Hudson Valley, New Windsor, NY. January 5, 2006.

Laquatra, J. (panel member). Utilizing your university to build and sell better homes. International Builders Show, Orlando, FL. January 12, 2006.

Laquatra, J. (panel member). Air pressure in homes. International Builders Show, Orlando, FL. January 12, 2006.

Laquatra, J. (invited speaker). Energy efficiency at home and work. Presentation for Niagara County department heads, Lockport, NY, April 6, 2006.

Laquatra, J. (speaker, all day class). Energy Efficient Construction. Rochester Home Builders Association, Rochester, NY. April 18, 2006.

Laquatra, J. (invited speaker). Is your home a healthy habitat? Cornell Alumni Club of Cape Cod, Hyannis, MA; April 26, 2006.

Laquatra, J. (invited speaker). Is your home a healthy habitat? Cornell Alumni Club of New Hampshire, Durham, NH; April 26, 2006.

Laquatra, J. Controlling asthma triggers in the home. Training for Peer Educators as part of SHIELD project, Syracuse, March 27, 2006; April 10, 2006.

Laquatra, J. Controlling asthma triggers and avoiding lead poisoning in the home. Voices Project. Two-day training for personnel of health departments and non-profits organizations. Atlanta, May 9-10; Detroit, August 1-2; Chicago, August 8-9; Houston, August 29-30 and November 14.

Pendall, R.; D. Kay; J. Suter; J. Laquatra (panel presentation). Rural sprawl in Upstate New York. Joint annual conference of the New York Upstate Chapters of the American Planning Association, the American Society of Landscape Architects, and the NYS Geographic Information Systems Association; Auburn, NY, September 13-15, 2006.

Laquatra, J. (invited speaker). Residential energy efficiency. The Energy Engineering Seminar Series, College of Engineering, Cornell University, September 7, 2006.

Laquatra, J.; R. Pendall; D. Kay; N. Bills. The changing nature of housing markets in Upstate New York. (refereed abstract; presented by J. Laquatra). Annual conference of the Housing Education and Research Association, Ithaca, NY; October 8-11, 2006.

Speaker: Sprawl and Residential Preferences, Second Annual International Conference on Social Science Research, Orlando, FL, December 2005.

Speaker: (two sessions) Healthy Indoor Air for America's Homes Research; Pesticide Residues in Rural Homes, Annual Conference of the Housing Education and Research Association, Denver, CO, October 2005.

Speaker: (two sessions) Residential Indoor Air Quality; Exterior Insulation and Finish Systems, 10th International Housing and Home Warranty Conference, Tokyo, Japan, September 2005.

Speaker: A Programmatic Response to Indoor Air Pollution and Limited Resource Households, 2005 National Priester Extension Health Conference, Lexington, KY, April 2005.

Speaker: Practical Management Strategies for Reducing Risks of Exposure to Indoor Air Pollutants for Limited Resource Households, Annual Conference of the Housing Education and Research Association, Chicago, October 2004.

Speaker: Waste Management at the Construction Site. National Consortium of Housing Research Centers and the National Science Foundation housing research agenda workshop. Orlando, February 2004.

Speaker: Practical Management Strategies for Reducing Risks of Exposure to Indoor Air Pollutants. Third Annual Environmental Systems Symposium at Syracuse, October 2003.

Speaker: Quality Communities and Affordable Housing, 24th Annual Affordable Housing and Community Development Conference, Auburn, NY, October 2003.

Speaker, Indoor Air Quality: Radon, Combustion, Asbestos, Mold, and More. 49th Annual Professional Development Conference and Expo, New York State Association of Superintendents of School Buildings and Grounds, Inc. September 20003.

Speaker: Field Techniques to Improve IAQ. The Affordable Comfort Conference, Kansas City, MO, April 2003.

Speaker: Indoor Air Pollutants and Limited Resource Households. Annual Conference of the American Association of Housing Educators, Minneapolis, MN, October 2002.

Speaker: Housing Market Capitalization of Energy Efficiency Revisited. American Council for an Energy Efficient Economy, 2002 Summer Study on Energy Efficiency in Buildings, Pacific Grove, CA, August 2002.

Speaker: Indoor Air Pollutants, Limited Resource Households And Childcare Facilities. Ninth International Conference on Indoor Air Quality and Climate, Monterey, CA, June 2002.

Speaker: Healthy Homes Programming. U.S. Department of Housing and Urban Development, Healthy Homes Conference, Buffalo, NY, May 2002.

Speaker: Housing Market Economics. Annual Conference of the New York State Planning Federation, Saratoga Springs, NY, October 2001.

Speaker: Building a Balance: Housing Affordability and Smart Land Use Decisions. Annual Conference of the American Association of Housing Educators, Big Sky, MT, July 2001.

Speaker: Construction Management. 23rd Annual Seminar for Builders from Japan. International Builders Show, Atlanta, February 2001; Dallas, January 2000; Dallas, January 1999; Dallas, January 1998.

Panel Member: Regional Research Symposium. Annual Conference of the American Association of Housing Educators, Stone Mountain, GA, November 2000.

Speaker. Housing Quality Assessment and Mental Health. Annual Conference of the American Association of Housing Educators, Stone Mountain, GA, November 2000.

Speaker: What is Smart Growth? New York Planning Federation 2000 Annual Conference, Ellenville, NY, October 2000.

Speaker: Green Construction. Engineering Seminar. Tower Engineering. Pittsburgh PA, February 2000.

Speaker: Building a Balance: Housing Affordability and Smart Growth. Annual Conference of the American Association of Housing Educators, Orlando, October 1999.

Speaker: Building a Balance: Housing Affordability and Environmental Protection. Keep America Growing Conference, Philadelphia, June 1999.

Member of Planning Committee: The Places We Call Home: A Conference on Community Environments and Housing For Older People. Ithaca College, May 1999.

Speaker: Waste Management at the Construction Site. Waste Management Forum. Northern New York Builders and Remodelers Association, Lake George, NY May 1999.

Speaker: Housing for an Aging-in-Place Society. European Network for Housing Research Conference; Cardiff, Wales, September 1998.

Co-author: Community Strategies for Developing Group Housing Programs for the Elderly in the United States. European Network for Housing Research Conference; Cardiff, Wales, September 1998.

Speaker: Training the Trainers: Healthy Indoor Air for America's Homes, Annual Conference of the American Association of Housing Educators, New Orleans, October 1997.

Speaker: Transition from Communism: A Paradigm Shift for Housing in Poland, Annual Conference of the American Association of Housing Educators, New Orleans, October 1997.

Moderator: The Hazard Resistant Home (Symposium), Annual Conference of the American Association of Housing Educators, New Orleans, October 1997.

Co-presenter, Healthy Indoor Air for America's Homes. Galaxy Summit, Cincinnati, October 1997.

Speaker: Residential Construction Waste Management, International Conference on Housing in the 21st Century, Alexandria, VA, June 1997.

Speaker: Home Builders and Radon Resistant New Construction, Habitat for Humanity Symposium, McLean, VA: May 1997.

Organizer and Speaker: Healthy Indoor Air for America's Homes: Train the Trainer Workshop, Nebraska City, November 1996.

Speaker: On-Site Residential Construction Waste Management, Annual Conference of the American Association of Housing Educators, Manhattan, KS, October 1996.

Speaker, Evaluating Home and Community Environments for the Elderly, , Annual Conference of the American Association of Housing Educators, Manhattan, KS, October 1996.

Panel Member: Healthy Indoor Air for America's Homes: A National Education Initiative, Annual Conference of the American Association of Housing Educators, Manhattan, KS, October 1996.

Speaker: Housing in an Environmental Context, Annual Conference on the Sociology of Housing, Minneapolis, March 1996.

Speaker: On-Site Residential Construction Site Waste Management, Annual Convention of the National Association of Home Builders, Houston, January 1996.

Speaker: Environmental Aspects of Housing Technology, International Symposium on Preservation of the Industrial Heritage: Gdańsk Outlook II, Gdynia, Poland, October 1995.

Speaker: Environmental and Economic Impacts of Various Residential Building Products, Construction Methods, and Design Choices, (co-author), 1995 Excellence in Housing Conference, Energy Efficient Building Association, Minneapolis, March 1995.

Speaker: Housing Construction in Poland: Adapting to a Changing Economy, (co-author), Sixth International Research Conference on Housing, Beijing, China, September, 1994.

Speaker on topics related to energy efficient house construction, light-frame construction, indoor air quality, and housing affordability, while serving as Scholar In Residence, American Polish Home Builders Institute, Gdansk, Poland; January - June, 1994. Lectures presented at conferences, trade fairs, and university symposia in Bialystok, Gliwice, Katowice, Lodz, Warsaw, and Wroclaw.

Co-Author: Building a Home Buyers' Educational Program, Annual Conference of the American Association of Housing Educators, Columbus, OH, October 1993.

Speaker: Energy Efficiency and Housing Affordability, Housebuilding 93, Gdansk, Poland, October 1993.

Speaker: The Potential for Manufactured Housing as an Energy Efficient, Affordable Resource, (co-author), Rinker International Conference on Building Construction, Gainesville, FL, August 1993.

Speaker: The Potential for Improved Affordability and Energy Efficiency in Panelized Housing, (co-author), Thermal Performance of Exterior Envelopes of Buildings V; Clearwater Beach, FL, December 1992.

Speaker: Optimizing Size and Energy Efficiency of Factory-Built Home Components, Fifth International Research Conference on Housing, Montreal, Quebec, July 1992.

Speaker: The Potential for Improved Affordability and Energy Efficiency in Panelized Housing, Annual Conference on Thermal Performance of the Exterior Envelopes of Buildings V, Clearwater Beach, FL, December 1992.

Speaker: Housing Information and the Remodeling Process, (co-author); Panel member: Problematic Issues Related to Radon Gas in Housing; for the Symposium, Educational Responses to Radon; Panel member for the Symposium, 40 Ideas in 40 Minutes; Panel member for the Symposium, "Housing and Society: The Way It Is: Views from an Editor, Reviewer, and Author;" Annual Conference of the American Association of Housing Educators, Durham, NH, October, 1991.

Speaker: Energy Costs and Housing Affordability, Cornell Cooperative Extension Satellite Conference, Regional and Local Economic Outlook: Impacts on Housing and Households, June 1991.

Speaker: Radon in Rental Housing, Annual Conference on the Sociology of Housing, Minneapolis, May 1991.

Speaker: Identifying American Households at Risk of Housing Problems, (co-author), Annual Conference on the Sociology of Housing, Minneapolis, May 1991.

Speaker: Radon Gas in Housing: Some Public Policy Issues, (co-author), Annual Conference of the Energy Efficient Building Association, Indianapolis, March 1991.

Symposium Co-Chair: Indoor Air Quality in Homes: Synthesizing the Issues and Educating Consumers, American Association of Housing Educators and the U.S. Environmental Protection Agency, October 1990, St. Louis, MO.

Speaker: Landlords and Rental Housing Energy Efficiency in Nonmetropolitan Areas, Annual Conference of the American Association of Housing Educators, Columbia, MO, October 1990.

Speaker: Housing Technology in the United States, (co-author), Annual Conference of the American Association of Housing Educators, Columbia, MO, October 1990.

Speaker, Community-Based Radon Education Programs, U.S. Environmental Protection Agency 1990 International Symposium on Radon and Radon Reduction Technology, Atlanta, Georgia, February 1990.

Speaker: Local Building Officials and Rental Housing Energy Efficiency, Fifth Annual Conference on the Sociology of Housing, St. Paul, MN, November 1989.

Speaker: Rental Housing Energy Efficiency from the Perspective of Local Building Officials, Annual Conference of the American Association of Housing Educators, Greensboro, NC, October 1989.

Speaker: Health Aspects of Housing Weatherization, (co-author), Annual Conference of the Energy Efficient Building Association, Winnipeg, March 1989.

Chair: Case Studies Session, Better Buildings Conference, New York State Energy Office and the Quality Building Council, Rochester, NY October 1988.

Co-author: Radon Risks in Residential Housing, National Rural Health Association, Annual Conference, Washington, DC, May 1988.

Speaker: Why Homeowners Respond to Residential Energy Conservation, (co-author), Annual Conference of the Energy Efficient Building Association, Portland, ME, April 1988.

Poster: Expressed Needs for Housing Information, Annual Conference of the American Association of Housing Educators, Newport, RI, November 1987.

Speaker: Residential Moisture Conditions and Perceived Health Status,(co-author), Annual Conference of the American Association of Housing Educators, Newport, RI, November 1987.

Speaker: Energy Efficiency in Rental Housing, Socioeconomic Energy Research and Analysis Conference, U.S. Department of Energy, Washington, D.C., May 1987.

Speaker: Health Consequences of Residential Energy Conservation: A Study of Nonmetropolitan Households in Upstate New York, (co-author), Socioeconomic Energy Research and Analysis Conference, U.S. Department of Energy, Washington, D.C., May 1987.

Speaker: Energy Efficient Housing and Extension Specialists, Annual Conference of the American Association of Housing Educators, Santa Fe, New Mexico, October 1986.

Speaker: Residential Moisture Control, Annual Conference of the American Society of Home Inspectors, Hackensack, New Jersey, May 1986.

Speaker: Valuation of Household Investment in Energy Efficient Design, American Council for an Energy Efficient Economy, Summer Study on Energy Efficiency in Buildings, Santa Cruz, CA, August 1984.

Speaker: Costs and Benefits of Passive Solar Multiple Family Dwellings in a Cold and Cloudy Region, Cornell Housing Forum, 1983.

Panel Member: Socio-Economic Aspects of Energy, State University of New York at Cortland, 1981.

UNIVERSITY SERVICE

EXTENSION: International Activities Committee, Intercollege Housing Committee, Ad-Hoc Computing Committee, Search Committees, Information System Task Force, Northeast Housing Specialist Task Force (Housing Affordability in the Northeast), Cultural and Ethnic Diversity Committee (chair), Cornell Cooperative Extension Acting Director, Cornell-Ithaca Partnership. Forum Planning Committee, Statewide Housing and Home Environment Program Committee (chair), Design and Technology Statewide Program Committee (chair), Extension Director Search Advisory Committee; Healthy Living and Learning Environments Program Work Team (Lead Co-chair), Family Economic Resource Management Program Work Team (Lead Co-chair); Residential Energy and Energy Conservation Program Work Team (Lead Co-chair);

DEPARTMENT: Director of Graduate Studies; Department Extension Leader; Search Committees (chair): Extension Associate, Assistant Professor, Administrative Supervisor; Acting Chair.

COLLEGE: State University of New York Faculty Senate; Academic Integrity Hearing Board, Computing Advisory Group, College Grants Committee (chair), Grievance Committee, Department Extension Leaders Committee (chair), Strategic Planning Committee (section chair), Academic Leadership Council; Team Leader for Outreach, New York State Indoor Environmental Quality Center; Master Plan Update and Programmatic Definition Committee.

UNIVERSITY: Faculty Senate; Faculty Council of Representatives; Faculty Advisory Committee on Athletics and Physical Education (vice chair); Committee on Academic Programs and Policies; Lesbian, Gay, Bi-Sexual Resource Center Advisory Board; University Appeals Committee; University Committee on Academic Freedom and Professional Status of the Faculty; University Land Grant Panel: Outreach/Extension: College of Agriculture and Life Sciences, College of Human Ecology and College of Veterinary Medicine; Community and Rural Development Institute Internal Review Committee (chair).

PROFESSIONAL AFFILIATIONS

Housing Education and Research Association (Director, 2010-2012) Conference Proceedings Editor, 2007; Conference Chair, 2006; Past President 2002-2003; President 2001-2002; President-elect 2000-2001; Director, 1991-1994; Chair, Extension Section, 1989-1990; Editor, Annual Conference Proceedings, 1988)

National Consortium of University Housing Research Centers (Past Chair, 2012 – 2014; Chair, 2010-12; Secretary, 2008-10; Past Chair, 2006-2008; Chair, 2004-2006; Vice Chair for Technology Transfer, 2001-2003; Secretary, 1995-1996, 2000-2001).

Member, Committee for Oversight and Assessment of the Partnership for Advancing Technology in Housing. National Research Council, National Academy of Sciences, 2002-2003.

Advisory Board Member, National Community Action Foundation (2009-present).

HONORS AND RECOGNITION

J. Laquatra and M. Pierce. Friends of Extension/Campus Collaborators Award. Cornell University Cooperative Extension/Chemung County, November 8, 2012.

2013, 2014, 2015, Member, Faculty Row.

2010, 2011, 2012. Listed in *Who's Who in Collegiate Faculty*. Montclair Publishing.

2010, 2011, 2012, 2013, 2014. Listed in *Who's Who in the World*. Marquis Who's Who.

2008, 2009, 2010, 2011, 2012, 2013, 2014. Listed in *Who's Who in America*. Marquis Who's Who.

2007. Listed in *Who's Who in American Education*. Marquis Who's Who.

Family Economics and Resource Management Award, State Winner. National Extension Association of Family and Consumer Sciences, New York Affiliate, October 2007.

2006 Outstanding Engagement Award. Board on Human Sciences of the National Association of State Universities and Land Grant Colleges.

Jeanne M. Priester Award, Outstanding Extension Health Programming, 2005.

2005 Epsilon Sigma Phi Team Award, shared with Therese Tuers, NYSERDA and Faye Rosselle, CCE/Oneida County for CEPREE.

2005 Certificate of Recognition for service as state program manager for Healthy Indoor Air for America's Homes, USDA/CSREES.

2005 Certificate of Appreciation for dedication to Healthy Indoor Air for America's Homes, USEPA.

2004 -2009. Hazel E. Reed Human Ecology Extension Professor in Family Policy; Cornell University Endowed Chair.

U.S. Environmental Protection Agency, Certificate of Recognition for developing an indoor air quality course for builders and remodelers, 1999.

Gamma Sigma Delta, Academic Honorary Society for Colleges of Human Ecology, Agriculture and Life Sciences, and Veterinary Medicine, (Chair, Local Arrangements Committee for International Conclave, 2000; Acting President, 1997-1998; President, 1996-1997).

Hands That Work Award, Home Builders Institute, 1994.

Blue Ribbon Award, American Society of Agricultural Engineers, 1992 Educational Aids Competition.

Epsilon Sigma Phi, Extension Honor Society; recipient of Superior Performance Award in the Development of Tools for Teaching, 1991 and 1993; Team Award, 2005.

PRACTICAL HOUSING EXPERIENCE

October 1977 - October 1979: HOUSING DIRECTOR, Project REACH, Inc., Wayland, New York, a non-profit human services corporation.

Implemented and coordinated programs designed to improve housing conditions of low and moderate income people through mobilization of public and private resources.

Secured funding for and initiated development of low-cost passive solar homes, as prototypes for a mortgage loan program of the Farmers Home Administration.

Coordinated the acquisition and rehabilitation of dilapidated homes to increase the community's supply of housing for limited resource people.

Directed activities of a construction skills training program for low income adults and youth.

September 1976 - September 1977: GENERAL CONTRACTOR, Wayland, New York.

Skilled in electrical wiring, plumbing, carpentry, roofing, siding, insulating, and other areas of residential construction.

June 1975 - September 1976: VISTA VOLUNTEER, Tri-County Action Council, Painted Post, New York. Assisted non-profit organizations within a county-wide area in the provision of housing services for low income people.

June 1974 - June 1975: VISTA VOLUNTEER, Weber-Davis Housing Corporate, Layton, Utah. Assisted in the construction and operation of a domestic farm labor housing project and a state emergency home repair loan program.

PUBLIC SERVICE

Member, Technical Advisory Community, Pest Prevention by Design Project. Department of the Environment, City and County of San Francisco, 2011-present.

Member, New York State Task Force on Toxic Mold, 2007-10.

Member, Town Planning Board, Dryden, NY, 2002-2016; Chair, 2013 - 2016.

Member, Dryden Oversight Committee, HOMES program, 2009-2011.

Enfield Mobile Home Replacement Project Oversight Committee, Better Housing for Tompkins County, 2000-present.

New York State Rural Development Council, Housing Work Group, 1998-present.

Empire Home Steering Committee (for the New York State Builders Association; 1998-2000.

Governor's Panel on Tax Credits for Green Construction (New York), 1996.

New York State Building Industry Advisory Committee, 1989-1992.

For my work with the City of Ithaca Energy Commission in drafting and working for passage of a weatherization ordinance, I represented the City in accepting a National Award for Energy Innovation from the U.S. Department of Energy, in Washington, D.C., November 1986.

Ithaca Energy Commission, mayoral appointment, 1984-1986.

Tompkins County Energy/Housing Committee, 1984-1986.

New York State Department of State, Division of Housing and Community Renewal: Rural Advisory Group, 1982.

New York State Tenant and Neighborhood Coalition, 1978-1979 (secretary).

New York State Rural Housing Coalition, 1978-1979.

Southern Tier Central Regional Technical Housing Advisory Committee, 1978-1979.

Policy Advisory Committee, Steuben County Weatherization Program, 1976-1979, (chair).