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## Biography

Hal Levin is a Research Architect with Building Ecology Research Group, Santa Cruz, California. Mr. Levin has conducted research and provided consultation in the areas of building's impacts on occupant health and comfort as well as on the larger environment. For almost 30 years, he has been involved in research and consulting that include the integration of knowledge about indoor and outdoor air pollution as well as other risk factors into the design residential, educational, and commercial buildings and communities. His work includes many efforts to design buildings with minimal negative impacts on occupants or the larger environment including the design of its ventilation, building materials' selection, energy consumption, and total environmental quality. He has been a strong proponent of life-cycle analysis and risk assessment as indicators the sustainability of alternative designs, practices and buildings.

In addition, to his academic and research activities, Mr. has been active in professional education workshops and short courses on topics that include pollution prevention and indoor environmental quality management for schools, offices, and residences. He is a contributor to chapters in several books including: *Indoor Air Quality Handbook* (McGraw-Hill, 2001). He is a former Associate Editor of the journal *Indoor Air*, and serves on the Editorial Boards of three journals: *Indoor Air*, *Building Research and Information* and *Building and Environment*. He served as Vice-President (1997-2000) of the International Society of Indoor Air Quality and Climate and was founding chairman (1984-2006) of ASTM Subcommittee D22.05 on Indoor Air. He was the founding editor of the newsletter *Indoor Air Quality Update* and the founding editor and publisher of the newsletter *Indoor Air Bulletin*. In all, he has published more than 3,000 pages including journal articles, book chapters, conference papers, and newsletter issues.

Mr. Levin, a Fellow of the International Academy of Indoor Air Sciences, was chosen by the Academy to serve as President of the 9<sup>th</sup> International Conference on Indoor Air Quality and Climate, "Indoor Air 2002," held in Monterey, California. He also organized and served as President of the non-profit Indoor Air 2002 Inc. which, in addition to being responsible for administration of the "Indoor Air 2002" conference, also prepared and published five post conference peer-reviewed journal special issues or supplements with papers expanded from conference papers. He now serves as President of the Indoor Air Institute, a non-profit continuing the work of Indoor Air 2002, Inc. He has served as an international advisor to the last seven triennial international "Healthy Buildings 'XX" conferences including HB2006 (Lisbon) and on the last six international triennial Indoor Air 'XX conferences. Recently he was Convener

and keynote lecturer for the Indoor Environment section of Sustainable Buildings 2005 conference (SB'05 Tokyo).

Mr. Levin is a member of the International Society of Indoor Air Quality and Climate – ISIAQ (founding member), the International Society of Exposure Analysis (founding member), and the North American Solar Energy Society. Currently, Mr. Levin is chairman of ASHRAE's Guideline Project Committee 10P, "Criteria for Achieving Acceptable Indoor Environments," a member of ASHRAE Standing Standard Project Committee 55, "Thermal Conditions for Human Occupancy, and is Consultant to ASHRAE's Environmental Health Committee". Mr. Levin served ten years as a member of ASHRAE SSPC62, Ventilation and Indoor Air Quality, and two four-year terms as a member of ASHRAE's Environmental Health Committee. He also serves as a voting member of ASHRAE Technical Committee 2.1, Physiology and the Human Environment.

Among his recent projects in addition to consulting on buildings in design was "Review of Legislation: Children's Health and the Environment" performed for the European Regional Office for Health of the World Health Organization and the Universities of British Columbia and Alberta in Canada. Another recent project was a report on the cost of IAQ Mitigation for the U.S. EPA's Indoor Environment Department. He has consulted extensively to government agencies in the United States as well as to agencies in Denmark, Canada, Australia and to the World Health Organization. He has lectured extensively in North America, as well as in Europe, Japan, China, and Australia.

Mr. Levin received a B. Arts degree in English and subsequently the professional degree, B. Architecture, during the tumultuous 1960s from the University of California, Berkeley. From 1978 to 1989, he was Research Specialist at the College of Environmental Design, and from 1978 to 1983, Lecturer in the Department of Architecture, University of California, Berkeley. From 1978 to 1983, he was Lecturer in the Department of Environmental Studies, University of California, Santa Cruz. He recently retired as Scientist, Indoor Environment Department, Lawrence Berkeley National Laboratory, where he was employed from 2000 to 2005.

In 2008 he has been chosen to receive the Environmental Health Award from ASHRAE. He previously received an Outstanding Service Award from LBL. In 1994 he was MVP at the Los Angeles Dodgers Adult Baseball Camp.