

Joseph Lstiburek, Ph.D., P.Eng., ASHRAE Fellow

Principal



Joseph Lstiburek is the founding principal of Building Science Corporation. Dr. Lstiburek's work ranges widely, from providing expert witness testimony to overseeing research and development projects, to writing for the ASHRAE Journal and buildingscience.com. Dr. Lstiburek's commitment to advancing the building industry has had a lasting impact on building codes and practices throughout the world, particularly in the areas of air barriers, vapor barriers, and vented and unvented roof assemblies. For example, his work with industry partners through the Department of Energy's Building America program led to significant research into the wetting and drying of walls and ultimately to a major code change relaxing the requirement for vapor barriers in the International Residential Code.

Dr. Lstiburek is also an acclaimed educator who has taught thousands of professionals over the past three decades and written countless papers as well as the best-selling Builder Guides. Fittingly, the Wall Street Journal has described him as "the dean of North American building science." He has a joy for telling tall tales to his protégés and audiences.

Dr. Lstiburek holds a Bachelor of Applied Science in Mechanical Engineering, a Master of Engineering in Civil Engineering, and a Doctor of Philosophy (Ph.D.) in Building Science. While still an undergrad, Dr. Lstiburek worked as a residential construction manager; during his Master's degree, he developed the Air Drywall Approach to air barriers. Other formative experiences include working on the Canada-wide Super **Energy** Efficient Housing R-2000 program and serving as senior engineer on commercial construction projects for Trow in Toronto. Dr. Lstiburek founded BSC in 1990 with his business partner Betsy Pettit, and he has been a key figure in establishing BSC as one of the most influential, innovative, and respected building science firms in North America.

Education

Bachelor of Applied Science, University of Toronto
Toronto, Ontario

Master of Engineering, University of Toronto
Toronto, Ontario

Doctor of Philosophy in Building Science, University of Toronto
Toronto, Ontario

Professional Registrations

Professional Engineer, Province of Ontario

Professional Affiliations

Fellow, American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)

Member, American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)

American Society for Testing and Materials (ASTM)

Building Envelope Committee Member, Boston Society of Architects

Ontario Building Envelope Committee (OBEC)

Member, Past Technical Committee Chairman, Past Board of Directors, Energy and Environmental Building Association (EEBA)

Past Member, American Lung Association Technical Advisory Committee, Health House

Past Member, National Institute of Building Sciences (NIBS); Building Enclosure Technology and Environmental Council (BETEC)