

# Kohta Ueno, M.A.Sc.



Kohta Ueno's responsibilities at Building Science Corporation include project management, liaison work with builders and industry clients, HVAC design, energy analysis of house designs, computer modeling, field testing and verification, and forensic field investigations.

He was part of the team that established the Engineered for Life™ (later Environments for Living™) Program, a public-private partnership promoting energy efficient residential production housing. For that program, he provided plan analysis, and was primary point of contact for builder clients.

He was project manager and analyst for multiple projects in the Building America Program, providing energy analysis, builder feedback and guidance, as well as field testing and verification of completed houses. He also helped refine the performance specifications used for BSC's Building America houses.

He has proficiency with various advanced computer modeling tools, including WUFI (hygrothermal behavior of enclosure assemblies), THERM (static heat flow through assemblies), and CONTAM (network airflow model).

He was project manager for several field monitoring projects with total budgets of approximately \$500,000; this research included monitoring of vapor control in above grade walls, self-dehumidifying roof assemblies, drainage and drying of wall cladding materials, and comparative performance of interior foundation insulation systems.

Kohta took a hiatus from BSC in order to pursue graduate work at the Building Engineering Group (BEG) at the University of Waterloo, under Professor John Straube. He completed his degree in 2007; his Master's thesis, "Hygrothermal Behavior of Interior Basement Insulation," involves field monitoring at two test sites, data collection and analysis, and computer modeling with software such as THERM and WUFI.

During his time at the University of Waterloo, he has set up several research sites, including work at UW's field exposure facility, the BEGHut. He worked concurrently on multiple projects as a subcontractor to Balanced Solutions, a Waterloo-based building science consulting firm.

Prior to joining Building Science Consulting, Kohta Ueno worked as a self-employed light residential contractor and carpenter.

## Education

University of Waterloo

Waterloo, Ontario

Master of Applied Science, Department of Civil Engineering/Building Engineering Group

Massachusetts Institute of Technology

Cambridge, Massachusetts

Bachelor of Science in Materials Science and Engineering

## Professional Registrations and Memberships

ASHRAE

Energy and Environmental Building Association (EEBA)



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