

James Buska is a Research Civil Engineer with the U. S. Army Corps of Engineers, Engineer Research and Development Center (ERDC), Cold Regions Research and Engineering Laboratory (CRREL).

He joined CRREL in 1977 and has been conducting applied research in cold-regions roofing and building technology since 1985. He has investigated and documented the performance of many facilities where roofing, moisture, attic and roof ventilation, roof icing, sliding snow, and snow ingestion problems were present. His work is aimed at improving the performance of buildings in cold regions. He often provides design review and technical guidance for the design and construction of many Corps of Engineers facilities. Mr. Buska also conducts snow load case studies and research on improving the case study methodology. He has authored or co-authored the following publications on snow loads and snow-related building technology issues:

- Standing Seam Metal Roofs in Cold Regions
- Attic Ventilation Guidelines to Minimize Icings at Eaves
- Electric Heating Systems for Combating Icing Problems on Metal Roofs
- Roof Ventilation to Prevent Problematic Icings at Eaves
- Snow Guards for Metal Roofs
- Ventilating Cathedral Ceilings to Prevent Problematic Icings at their Eaves
- Developing Ground Snow Loads for New Hampshire
- Minimizing the Adverse Effects of Snow and Ice on Roofs
- Guidelines for Ventilating Attics and Cathedral Ceilings to Avoid Icings at their Eaves
- Ground Snow Loads for New Hampshire (*these loads were also published in the Commentary of ASCE 7-02*)

He has B.S. and M.S. degrees in Civil Engineering from Montana State University (1975 and 1976 respectively).