Updated: 27 March 2018

John Murphy, LEED® AP BD+C
Applications Engineer
Trane, a business of Ingersoll-Rand
3600 Pammel Creek Road
La Crosse, WI 54601 USA

Phone: 608.787.4292
Email: jmurphy@trane.com
Website: www.trane.com

John has been with Trane since 1993, where he has been involved in development, training, and support activities related to HVAC systems. His primary responsibility as an applications engineer is to aid system design engineers and Trane sales personnel in the proper design and application of HVAC systems. His main areas of expertise include energy efficiency, dehumidification, air-to-air energy recovery, psychrometry, ventilation, dedicated outdoor-air systems, VAV systems, and ASHRAE Standards 62.1 and 90.1. He is also a LEED® Accredited Professional.

John is the author of numerous Trane application manuals and *Engineers Newsletters*, and is a frequent presenter on Trane's *Engineers Newsletter Live* program series.

He is an ASHRAE Fellow and past chair of that society's "Mechanical Dehumidifiers" technical committee. He has authored many articles for the *ASHRAE Journal*, twice receiving the best Journal article award (2011 and 2012). He is a frequent speaker at conferences and was a featured presenter on ASHRAE's international webcast, "Dedicated Outdoor Air Systems." He was a contributing author of the *Advanced Energy Design Guide for K-12 Schools* and the *Advanced Energy Design Guide for Small Hospitals and Health Care Facilities*, and a technical reviewer for the *ASHRAE Guide for Buildings in Hot and Humid Climates* and *HVAC Design Manual for Hospitals and Clinics*.

Before joining the Applications Engineering team, John spent two years working with Trane's C.D.S. group, supporting and enhancing the TRACE™ energy analysis program.

Prior to his work with Trane, John received his BSME from Iowa State University, specializing in HVAC analysis and design. While attending college he performed energy audits on small- and medium-sized industrial facilities while working for what is now called the Industrial Assessment Center, a program funded by the U.S. Department of Energy.