

# EUREKA<sup>★</sup>2017

Heating, Cooling & Ventilation: Sustainable technologies for a better life



## **William F. McQuade**

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Bill McQuade is Director of Technology, Energy Efficiency and the Environment for Johnson Controls Corporation. He has spent the past 24+ years working for the York International/Johnson Controls organizations in various technical and managerial positions ranging from Research Engineer in the Advance Engineering group to senior management positions related to the strategic application of advanced technology and R&D efforts.

He has a BSME, MSME, and MBA from Penn State University. During his graduate studies in the early 90s, Bill performed fundamental research in to the performance characteristics of HCFC and HFC alternatives to CFCs in Air-Conditioning equipment. While working at York/Johnson Controls, he has been awarded 11 US and International patents related to chiller design, oil separation, and chiller controls algorithms.

Bill's industry affiliations include ASME, ASNE and ASHRAE. In the ASHRAE Organization, he is currently on the Board of Directors and has served on various Councils and Committees at the Society level. He is a past Chair of the Technical Activities Committee (TAC), the Technical Committee on Climate Change, and the Technical Committee on Centrifugal Chillers. Currently, he serves on the Society's Publication and Education Council, the Professional Development Committee, the Historical Committee, and the Grassroots Government Advocacy Committee. In 2013, Bill was honored by being elevated to the grade of ASHRAE Fellow at the age of 43 and received the ASHRAE Distinguished Service Award in 2012.

He also serves as the JCI representative on many AHRI committees including: International Committee, Certifications Process and Procedures (CP&P) Committee, Liquid Chiller Section (past Chair), the Compliance Committee, and is currently the Chairman of the Government Affairs Committee. He received the Richard C. Schulze award for Distinguished Service in 2014. In addition, he is also a member in AHRI's System Efficiency Working Group. Finally, he is a member of the Board of Directors for the Alliance for Responsible Atmospheric policy, currently serving as Vice Chairman.

He has participated in various international climate and ozone meetings, and has provided input to the US, EC, and Chinese governments regarding ozone and climate regulation and legislation. He was selected by the US Department of State and US EPA to serve as an industry representative on the Indo-US Taskforce on HFCs. Also, he has served as an expert on the US Department of Energy HVAC Roadmap Collaboration Team (Oak Ridge National Lab). Finally, he has been invited to speak as an expert on Low GWP refrigerants at various World Bank, United Nations (UNEP) and HVAC&R industry technical meetings.