THE HERRING CHOKER

ASHRAE

NB PEI CHAPTER

April 2021 Issue

Next Meeting – WEDNESDAY April 14th, 2021
Distinguished Lecturer – Bryan Monk

Presentation Abstract: IAQ and Cognitive Functioning in High Performing Buildings

Achieving balance among desired goals for indoor air quality (IAQ), energy consumption, and occupant comfort within the built environment is challenging. The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) endeavors to achieve this through guidelines and standards focused on advancing building science as it relates to environmental quality. This article will review the commonly used design guides found in ANSI/ASHRAE Standard 62.1, "Ventilation for Acceptable Indoor Air Quality." The current form of ANSI/ASHRAE Standard 62.1 employs two mechanical ventilation procedures to provide acceptable IAQ in buildings: the Ventilation Rate Procedure and the Indoor Air Quality (IAQ) Procedure. While the Ventilation Rate Procedure provides only a dilution solution for the control of typical offending contaminants for a specified occupancy, the IAQ Procedure provides a directed approach by reducing and controlling the concentrations of selected air contaminants of concern through both dilution and enhanced air cleaning.

Rather than relying only on diluting the concentration of contaminants with outdoor air, designing with enhanced filtration of both recirculated and ventilation outdoor air can improve IAQ and result in the protection of the occupied space. This newsletter will focus on the application of enhanced particle, gas-phase and biological filtration for compliance with Standard 62.1. An outline of the design aspects to consider will be reviewed, with the focus on achieving acceptable levels of contaminants of concern within the occupied space while considering the desire to meet high-performance building standards.

When: Wednesday April 14th, 2021,12:00PM-1:30PM AST
Meeting link to follow.

Introduction to Our Distinguished Lecturer – Bryan P. Monk, P.E.

Brian Monk is National Sales Manager, responsible for Carrier Custom Air Handling Solutions, specializing in design of air treatment systems, including airborne contaminant control and dedicated outdoor air systems with energy recovery.

Mr. Monk is also an instructor for Carrier University's Sustainability Symposiums under the International Association for Continuing Education and Training (IACET) program which provides CEU Credit for Professional Engineering Licensure.

His academic background comprises of a college degree in Applied Science (Building Systems Engineering Technology) from Vanier College of Montreal and a Bachelor of Building Engineering from Concordia University of Montreal. He is a Registered Professional Engineer with the Province of Quebec, Canada.

Mr. Monk is an ASHRAE Distinguished Lecturer, and Part-Time Professor in the Faculty of Building Engineering at Vanier College. He is also a member of the IAQA (Indoor Air Quality Association).

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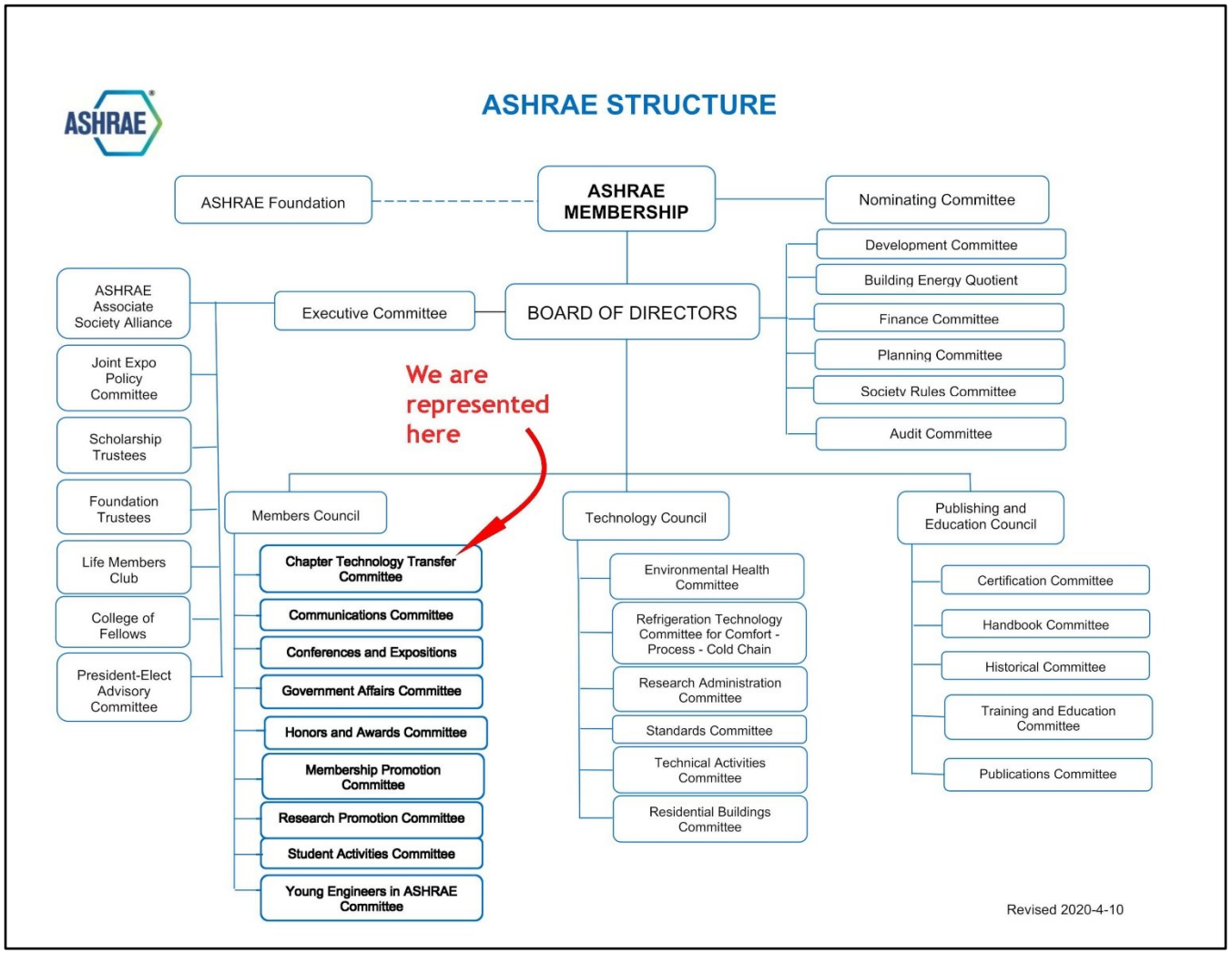


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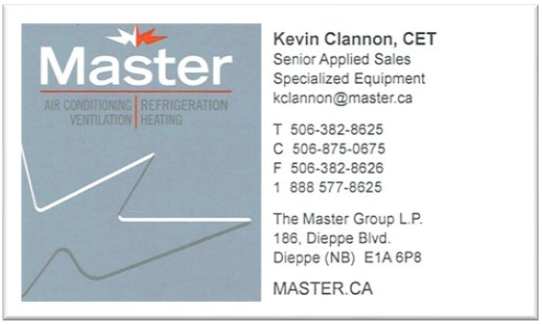
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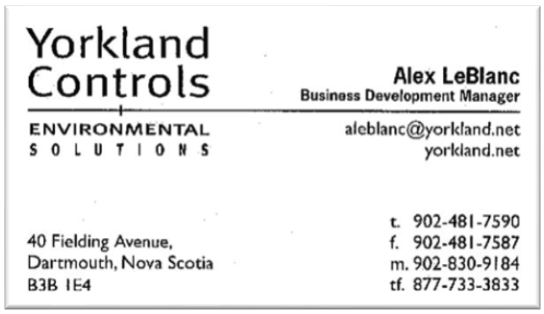
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