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the latest industry trends in HVAC design and control

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plan to attend in 2026...

ENGINEERS NEWSLETTER *LIVE!*

TRANE

FEBRUARY
Trends in Geothermal Systems and Ground Loops

APRIL
Modern VAV Solutions: Control Optimization and Electrification

SEPTEMBER
High Temperature Heating Solutions

NOVEMBER
Economizing: Evaluating Efficiency and Practicality in Modern VAV Systems

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TRANE TECHNOLOGIES

2026 PROGRAM LINE UP

Trends in Geothermal Systems and Ground Loops. Geothermal HVAC systems can offer premium performance, but often at a premium cost. New technologies have extended the use of geothermal to larger applications, while broadening its use in smaller applications. This ENL will discuss various geothermal system configurations.

Modern VAV Solutions: Control Optimization and Electrification. This program explores the latest in variable air volume (VAV) systems. We will provide an overview of multiple-zone VAV systems, focusing on key components and system operation. System optimization strategies such as fan-pressure optimization, discharge air temperature reset, and demand-controlled ventilation to enhance efficiency and comfort will be discussed. Electrification of heat and technological advancements, like connected controls and AI will be highlighted. Finally, a case study will demonstrate how optimization can save a significant amount of energy and money..

High Temperature Heating Solutions. High temperature hot water is required for some applications, even if it is less efficient than low temperature hot water. This program will cover technologies and designs that enable high temperature heating solutions, including compressors, plant layout, and system operation.

Economizing: Evaluating Efficiency and Practicality in Modern HVAC Systems. With the focus of energy efficiency and sustainability, economizing remains a critical topic in modern HVAC systems. This program will discuss types of economizers, including relevant standard and guideline requirements. It will also discuss practical applications and examine scenarios where economizing is bypassed to recover or store heat effectively.

Contact your local Trane office for details or visit Trane.com/ENL.

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