Event:

ENDORSED BY ASHRAE

HEALTH in BUILDINGS
HYGEIA 2026
where the medical & engineering professions collaborate & innovate

ASHRAE Hellenic Chapter TEE

May 27-29, 2026 - Island of KOS, Greece

#	**K. William Dean, P.Eng.** Mechanical Engineer	

Title:	ASHRAE Distinguished Lecturer	
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Phone number:	+1 306 241 4039	•
Paper/Presentation:	Oral Presentation	•
Present. duration:	20 min	•
PC/Mac	Mac	•
Requirements:	None	•
Presentation title:	**Applying Existing Building Commissioning Processes in Hospital Buildings**	

Medical facilities that operate 24-hours a day present a challenge to the operations team responsible for maintaining their functionality. The building systems are responsible for stable space temperatures, clean air, negative air pressure in dirty areas, positive air pressure in surgical spaces, comfortable humidity levels, proper lighting levels, stable electrical power, medical gases and vacuum. Wall and floor surfaces must be sanitizable to prevent disease transmission.

But when can you do the necessary work to ensure that the spaces are operating to fulfil the current facility requirements?

This presentation will introduce you to ASHRAE's Existing Building Commissioning process and demonstrate how it can be applied to medical facilities.

Short CV:

Bill Dean is an ASHRAE Distinguished Lecturer and a Past Vice-President of the International Society. He is a mechanical engineer that spent almost 30 years as a Facility Manager in scientific facilities preceded by 15 years as a design consultant. He focuses on building functions and the efficient maintenance & operations of all types buildings.

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CV:	

Bill began his career after graduating in Mechanical Engineering doing HVAC consulting with a Mechanical Engineering firm that designed high-profile projects. Bill worked as a junior engineer on assignments that included Veterinary Infectious Diseases Organization and the Royal University Hospital.

The opportunity to start his own consulting engineering firm took Bill in a new direction working on small and medium sized projects. After 10 years Bill became the Chief Mechanical Engineer with a large Civil Engineering firm. Bill brought along his established clients as well as working on their civil engineering projects.

Bill recognized that good engineering design was an iterative process with the lessons-learned and improvements made being applied to the next project not the last ones. In 1991 the NRC/PBI hired Bill and he began to apply his experience and philosophy in building design and energy efficiency to their Facility. During his years with NRC Bill was part of the Management team and interacted with the senior scientists and managers from across Canada.

In 1999 Bill was part of a team that successfully procured funding to build a substantial laboratory addition. Bill was engaged in the design of the building including applying best practices from leaders in the international scientific community to create a more energy efficient building.

Bill later became the Regional Manager in charge of all laboratory facilities in Western Canada. This included big science sites from Astronomy to Nanotechnology.

Bill retired from NRC in April 2019 and continues to reside in Saskatoon, Saskatchewan, Canada.

Bill is a past member of IFMA and their Saskatchewan Chapter. He is a past member of the BOMA 360 Program for the BOMA International. He was a founding member of Sustainable Laboratories Canada. Through the NRC Bill was involved with the Real Property Institute of Canada.

Bill is a past Vice-President of ASHRAE and held many leadership positions over 40 years on his way to that role.