



## Speaker Biography

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### **Ralph Kittler, P.E.**

**Topic: Natatorium Design and Dehumidification.**

These facilities are notoriously complex to design and can be expensive to operate. The presentation covers the many critical system design aspects of a Natatorium which include the fundamentals of psychrometrics, dew point, humidity/condensation control, moisture load calculation, air distribution, ventilation requirements, water chemistry and how to optimize your operating conditions to minimize operating costs.

Mr. Kittler is an ASHRAE Distinguished Lecturer and well regarded in the HVAC industry as an expert in dehumidification and Indoor Pool Design. He has been in the dehumidification and Natatorium design field for over 15 years. He is the revisor responsible for Chapter 4 (Large Building Air Conditioning Applications) of ASHRAE's 1999/2003/2007 Applications Design Handbook which covers Natatorium Design and speaks regularly at ASHRAE meetings across the country. He has also published several articles in trade journals and magazines.

Mr. Kittler is a Co-Founder and Director of Sales & Marketing for Seresco Technologies Inc. He is a Professional Engineer with a degree in Mechanical Engineering from Lakehead University, Ontario Canada in 1989.