


Event: **ENERGY in TRANSPORTATION 2018**
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 Place: **Athens, Hellas**



#	William P. Bahnfleth PhD, PE, FASHRAE, FASME, FISIAQ	
Title:	Professor of Architectural Engineering and Director, Indoor Environment Center, The Pennsylvania State University, University Park, PA USA	
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Presentation title:	Vehicles, Energy, and Air Quality - Current Impact and Issues	
<p>This presentation provides an overview of the effects that transportation has on energy use and air quality – outdoors and indoors. Areas touched on include a review of the current situation, the potential impacts of regulation and new technology, mass transit vs. personal transportation, and others.</p>		
CV:	<p>William Bahnfleth is Professor and Director of the Indoor Environment Center in the Department of Architectural Engineering at the Pennsylvania State University (Penn State) in University Park, PA, where he has been employed since 1994. Previously, he was a Senior Consultant for ZBA, Inc. in Cincinnati, OH and a Principal Investigator at the U.S. Army Construction Engineering Research Laboratory in Champaign, IL. He holds BS, MS, and PhD degrees in Mechanical Engineering from the University of Illinois, where he also earned a bachelor of music degree in instrumental performance. He is a registered professional engineer.</p> <p>At Penn State, Dr. Bahnfleth teaches undergraduate courses in HVAC fundamentals, system design, and controls and graduate courses in chilled water systems, hot water and steam systems, and indoor air quality. His research interests cover a wide variety of indoor environmental control topics including chilled water pumping systems, stratified thermal energy storage, protection of building occupants from indoor bioaerosol releases, ultraviolet germicidal irradiation systems, and others. He is the author or co-author of more than 170 technical papers and articles and 14 books and book chapters. He consults on the design of chilled water thermal energy storage systems and has been involved in more than 20 projects worldwide.</p> <p>Dr. Bahnfleth is a fellow of ASHRAE, the American Society of Mechanical Engineers (ASME) and the International Society for Indoor Air Quality and Climate (ISIAQ). He is also a member of the Indoor Air Quality Association (IAQA), the International Building Performance Simulation Association (IBPSA), and the Society of Building Science Educators (SBSE). He has served ASHRAE in a variety of capacities, including Student Branch Advisor, Chapter Governor, Technical Committee and Standing Committee Chair, and as Director-at-Large, Vice President, Treasurer, and 2013-14 Society President. His honors include a 1st place ASHRAE Technology Award, Transactions Paper Award, Distinguished Service and Exceptional Service Awards, The Louise and Bill Holladay Distinguished Fellow Award, and the E.K. Campbell Award of Merit for service and achievement in teaching. He is also a recipient of the Penn State Engineering Alumni Society's World-Class Engineering Faculty Award.</p>	