

Byron Jones
Professor
Director, National Gas Machinery Laboratory

Professional Affiliations and Service

Fellow	American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)
Member	American Society of Engineering Education (ASEE)
	American Society of Mechanical Engineers (ASME)
	Engineers without Borders
	Experimental Aircraft Association
Technical Director	FAA Center of Excellence for Airliner Cabin Environment Research
Technical Activities Committee	ASHRAE
Handbook Committee	ASHRAE
Research Advisory Panel	ASHRAE
Environmental Health Committee	ASHRAE
Standards Committee	ASHRAE
Radiant Space Heating and Cooling	ASHRAE
Chair, Transportation Air-Conditioning	ASHRAE
Chair, Physiology and Human Environment	ASHRAE
Chair, Air Quality within Commercial Aircraft	ASHRAE
Thermal Environmental Conditions for Human Occupancy	ASHRAE
Distinguished Lecturers Program	ASHRAE
Engineering Research Council	ASEE
National Academies: Committee on Air Quality in Passenger Cabins of Commercial Aircraft	
Kansas State University: As an associate dean, serve on committees, task forces, work groups, etc., too numerous to list	

Awards

- Standards Achievement Award, ASHRAE
- Ralph G. Nevins Award, ASHRAE
- Distinguished Lecturer, ASHRAE
- Distinguished Lecturer, ASME
- Research Excellence Award, Kansas State University
- Graduate Excellence Award, Oklahoma State University
- Wonder of Engineering Award, Oklahoma Society of Professional Engineers

Publications

- "Fine Particle Dispersion in a Commercial Aircraft Cabin," J. Beneke, B. Jones, and M. Hosni, accepted for publication, *HVAC&R Research*
- "Advanced Models for Predicting Contaminants and Infectious Disease Virus Transport in the Airliner Cabin Environment: Experimental Data," B. Jones, *Proceedings of the Transportation Research Board, Research on the Transmission of Disease in Airports and Aircraft, A Symposium, The National Academies, 2009* (invited)
- "Summary of USA Activities on Cabin Air Quality," B. Jones, Aviation Health Conference, International Air Transport Association, London, 2009 (invited)
- "Experimental Analysis of Particulate Transport in a Ventilated Chamber," A. Padilla, B. Beck, M. Hosni, B. Jones, 4th International Conference on Energy Research & Development, Kuwait City, 2008
- "Comparison of Large Eddy Simulation Predictions with Particle Image Velocimetry Data for the Airflow in a Generic Cabin Model," C. Lin, T. Wu, R. Horstman, P. Lebbin, M. Hosni, B. Jones, B. Beck, *HVAC&R Research*, Vol. 12, No. 3, Special Issue, 2006

- *Thermal and Moisture Transport in Fibrous Materials*, edited by N. Pan and P. Gibson, CRC Press, Woodhead Publishing Limited, 2006:
 1. "Convection and Ventilation in Fabric Layers," Chapter 8, N. Ghaddar, K. Ghali, and B. Jones
 2. "Moisture Conduction and Evaporation in Textile Materials," Chapter 11, K. Ghali, N. Ghaddar, and B. Jones
 3. "Heat–Moisture Interactions and Phase Change in Fibrous Materials," Chapter 12, B. Jones, K. Ghali, and N. Ghaddar