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He received his S.B. (1991), S.M. (1992) and Sc.D. (1997) from the Massachusetts Institute of Technology (MIT) and was a faculty member at MIT prior to moving to Georgia Tech. He has also been a researcher at the NASA Jet Propulsion Laboratory and a visiting scholar at the Boeing Company.

Dr. Clarke is a member of the Airline Group of the International Federation of Operations Research Societies (AGIFORS), the American Institute of Aeronautics and Astronautics (AIAA), the Institute for

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He serves on several national and international committees including the Aeronautics and Space Engineering Board (ASEB) of The National Academies, the FAA Research Engineering and Development Committee (REDAC), the AIAA Air Transportation Systems Technical Committee and the Society of Automotive Engineers (SAE) Aircraft Noise Committee.

Dr. Clarke was the first director of the Partnership for Air Transportation Noise and Emissions Research (PARTNER), the Center of Excellence for Aviation Noise and Aircraft Emissions Mitigation, and is an active researcher in both PARTNER and the National Center of Excellence for Aviation Operations Research (NEXTOR). In 1999, he was awarded the AIAA/AAAE/ACC Jay Hollingsworth Speas Airport Award and in 2003, he was awarded the FAA Excellence in Aviation Award.