

Ilene Busch-Vishniac Biographical Sketch

Ilene Busch-Vishniac is a Professor of Mechanical Engineering at Johns Hopkins University in Baltimore, MD where from 1998-2003 she served as the sixth dean of the Whiting School of Engineering.

Dr. Busch-Vishniac received her undergraduate degrees in Physics and Mathematics from The University of Rochester, and MS and PhD degrees in Mechanical Engineering from MIT. She worked at Bell Laboratories in the Acoustics Research Department before joining the Mechanical Engineering faculty of The University of Texas in 1981. She remained at The University of Texas until 1998, when she joined Johns Hopkins University as Professor and Dean.

Dr. Busch-Vishniac has received many teaching and research awards, including the Achievement Award of the Society of Women Engineers, the Curtis McGraw Research Award of the American Society for Engineering Education, and the Silver Medal in Engineering Acoustics of the Acoustical Society of America. She has served in various professional organizations including a term as President of the Acoustical Society of America, and a term on the Engineering Deans Council of the American Society of Engineering Education. She has authored roughly 60 technical articles and one book, and holds 9 US patents on electromechanical sensors.

Dr. Busch-Vishniac's research work has focused on noise control and on transducers (sensors and actuators). Her noise control work includes designs of highway noise barriers to improve sound reduction and, more recently, extensive work to characterize and control the noise in hospitals. In the transducer arena, Dr. Busch-Vishniac has worked on the development of new materials suitable for improvements in microphones and loudspeakers.