

MARTHA E. CROSBY



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Dr. Martha E. Crosby is a professor in the Department of Information and Computer Sciences at the University of Hawaii at Manoa. She has a background in mathematics, computer science and educational psychology. The underlying theme of her research is to understand how to make computers more usable for the individual. She was one of the first researchers to use eye movements to investigate the cognitive processes by which people understand algorithms, search lists, databases, and view data models. Most recently, she has extended this work to building user models that incorporate physiological data seeking to understand the basis for differences in performance. She is particularly interested in the evaluation of human use of computer interfaces for educational applications to facilitate an understanding of individual differences in the development of adaptive software.