Steve Ritter is founder and chief scientist at Carnegie Learning. Steve earned a doctorate in cognitive psychology at Carnegie Mellon University and was instrumental in the development and evaluation of the Cognitive Tutors for mathematics. Steve is the author of numerous papers on the design, architecture, and evaluation of adaptive instructional systems and is recognized as an expert on educational analytics and on using artificial intelligence in education. He is lead author of an evaluation that is one of the few to be judged by the U.S. Department of Education's What Works Clearinghouse as meeting their standards without reservations. He has received several awards, including the Best Paper award at the International Conference on Educational Data Mining. At Carnegie Learning, Steve leads a research team devoted to using learning engineering to improve the efficacy of the company's products. Current funding focuses on such issues as algorithmic bias in educational AI, supports for teaching math to struggling readers, and the UpGrade tool for supporting rigorous field tests of educational software.