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Dr. Stone is Chief Scientist at Metron Inc. He is a member of the National Academy of Engineering and a fellow of the Institute for Operations Research and Management Science.

In 1975, the Operations Research Society of America awarded the Lanchester Prize to his text, *Theory of Optimal Search*. In 1986, he produced the probability maps used to locate the S.S. *Central America* which sank in 1857, taking millions of dollars of gold coins and bars to the ocean bottom one and one-half miles below. In 2010 he led the team that produced the probability distribution that guided the French to the location of the underwater wreckage of Air France Flight AF447. He coauthored the 2016 book *Optimal Search for Moving Targets*. He was one of the primary developers of the Search And Rescue Optimal Planning System used by the Coast Guard since 2007 to plan searches for people missing at sea.

He continues to work on a number of detection and tracking systems for the United States Navy. He is a coauthor of the 2014 book, *Bayesian Multiple Target Tracking 2nd Ed.*