EXECUTIVE PROFILE

H.M. "HASH" HASHEMIAN is President and Chief Executive Officer of Analysis and Measurement Services Corporation (AMS); a nuclear engineering consulting firm headquartered in Knoxville, Tennessee, and operating in the United States, Europe, and Asia. His technical and operational vision and leadership have enabled AMS to play a key role in ensuring the safe and cost-efficient operation of virtually every U.S. nuclear power plant, as well as many in Europe and Asia. He has accomplished these successes through the development and delivery of industry-leading instrumentation and control system testing and analysis equipment, training, and services.

A globally recognized expert in peaceful applications of nuclear energy for electricity generation and medical diagnostics and treatment, Dr. Hashemian lectures frequently around the world on nuclear power plant instrumentation and control areas. He holds three doctorate degrees in engineering including a Ph.D. in nuclear engineering, a Doctor of Engineering degree in electrical engineering, and a Ph.D. in computer engineering. He has worked for the nuclear, aerospace, and other industries, and U.S. government organizations such as the Nuclear Regulatory Commission, Department of Energy, Air Force, Navy, and the National Aeronautics and Space Administration.

Dr. Hashemian is the author of three books: *Sensor Performance and Reliability* (ISA, 2005), *Maintenance of Process Instrumentation in Nuclear Power Plants* (Springer Verlag, 2006), and *Monitoring and Measuring I&C Performance in Nuclear Power Plants* (ISA, 2014). His books have been translated into Chinese, Japanese, Korean, and Russian. In addition, he is the author or co-author of 19 U.S. patents (17 awarded and 2 pending) and has written more than 300 papers and reports. This includes 70 peer-reviewed journal and magazine articles, over 200 conference papers, 9 book chapters, and numerous reports, guideline documents, and standards for the U.S. Nuclear Regulatory Commission (NRC), the Electric Power Research Institute (EPRI), the International Atomic Energy Agency (IAEA), the International Electrotechnical Commission (IEC), and the International Society of Automation (ISA).

Dr. Hashemian is a Fellow of the American Nuclear Society (ANS), a Fellow of the Institute of Electrical and Electronics Engineers (IEEE), a Fellow of ISA, as well as a member of the European Nuclear Society (ENS). He has served as a keynote speaker, chairman, and co-chairman of numerous national and international conferences and committees and serves as an adjunct professor of nuclear engineering at the University of Tennessee.