About the Authors

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Harry Cheddie is Principal Engineer and Partner with exida. He is presently responsible for completing safety studies for end users, developing training programs, and teaching safety courses with an emphasis on IEC 61508 and IEC 61511.

Prior to joining exida, Harry was a Control Systems Advisor for Bayer Inc. in Sarnia, Ontario, Canada, where he was also the Supervisor of the Central Engineering Group responsible for process control systems design and maintenance.

Harry graduated from Salford University in the UK with a B.Sc. (1st Class Honors) degree in Electrical Engineering. He is a registered Professional Engineer in the province of Ontario, Canada.

Harry is certified by the American Society for Quality as a Quality Engineer, and as a Reliability Engineer. He is also a Certified Functional Safety Expert from the CFSE Governing Board.

Dr. William M. Goble, P.E., CFSE

William M. Goble is currently Principal Partner, exida, a company that does consulting, training and support for safety critical and high availability process automation. He has over 30 years of experience in control systems doing product development, engineering management, marketing, training and consulting.

Dr. Goble has developed several of the techniques used for quantitative analysis of safety (FMEDA) and reliability in automation systems. He teaches and consults in this area with instrumentation manufacturers and petrochemical/chemical companies around the world.

Dr. Goble has a BSEE from Penn State, an MSEE from Vilanova and a PhD from Eindhoven University of Technology in Reliability Engineering. He is a registereed professional engineer in the State of Pennsylvania and a Certified Functional Safety Expert (CFSE). He is a fellow member of ISA and previous author of the ISA book *Control Systems Safety Evaluation and Reliability.*