About the Authors

Terrence L. Blevins has been actively involved in the application and design of process control systems throughout his career. For over fifteen years, he worked as a systems engineer and group manager in the design and startup of advanced control solutions for the pulp and paper industry. Terry was instrumental in the establishment of Emerson Process Management's Advanced Control Program. He is the Fieldbus Foundation team leader for the Function Block Specification. In this capacity, Terry is involved in the movement of Fieldbus Foundation function block work into international standards. Terry is the US expert to the IEC TC65 WG6 and SC65C WG7 function block committees. He wrote the fieldbus section included in the *Process/Industrial Instrumentation and Controls* handbook. Terry has eight patents and has written over forty papers on process control system design and applications. He received a BEE from the University of Louisville in 1971 and a Master of Science degree in Electrical Engineering from Purdue University in 1973. Presently, Terry is a principal technologist in DeltaV Product Engineering and the team leader for DeltaV advanced control product development.

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Gregory K. McMillan retired as a Senior Fellow after a 33 year career with Monsanto and Solutia Inc, where he specialized in improving loop performance, controller tuning, valve dynamics, opportunity assessments, dynamic simulation, fermentor control, pH control, and reactor control. Greg is the author of numerous articles and books, his most recent book being: *Good Tuning – A Pocket Guide*. He has contributed to several handbooks and is the editor of the *Process/Industrial Instrumentation and Controls* handbook and the coauthor of a monthly column titled "*Control Talk*".

Greg is an ISA Fellow and received the ISA "Kermit Fischer Environmental" Award for pH control in 1991, the Control Magazine "Engineer of the Year" Award for the Process Industry in 1994, and was one of the first inductees into the Control Magazine "Process Automation Hall of Fame" in 2001. He received a B.S. from Kansas University in 1969 in Engineering Physics and a M.S. from University of Missouri – Rolla in 1976 in Control Theory. Presently, Greg is an affiliate Professor at Washington University in Saint Louis, Missouri and is a consultant through EDP Contract Services in Austin, Texas.

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Willy K. Wojsznis has been involved in developing advanced control products over the last twelve years focusing on model predictive control and auto tuning. Over the previous nearly 25-year of his career he was developing computer control systems and applications in cement, steel, mining and paper industries. His professional work resulted in a number of successful and innovative advanced control products, fourteen patents, and above thirty technical papers. He received control engineering degree (EE) from Kiev Technical University in1964, M.S. in Applied Mathematics from Wroclaw University in 1972, and Ph.D. from Warsaw University of Technology in 1973. Presently, Willy is a part of DeltaV advanced control group. He conducts applied research in the areas of optimization, adaptive control and model predictive control.

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Michael W. Brown has spent his entire career in the application of Advanced Process Control technologies in the continuous processing industries. Over the previous 15 years of his career, he has served as an Advanced Process Control Consultant, providing implementation expertise and technology guidance for many operating companies. His extensive knowledge and experience in the areas of model based predictive control and real-time optimization have assisted many companies in capturing the benefits of these performance improvement technologies. His work has resulted in several technical papers, published in various control journals. Michael is a Chemical Engineer, received a B.A.Sc. from the University of Waterloo in 1987 and completed his Masters in Applied Science in 1989. Presently, Michael is the Applications Business Manager, with Matrikon Inc., where he continues to work with industry to bring Advanced Control Technology to the next level.

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