
BOARD OF EDITORS

WIN AUNG

Following baccalaureate and post-graduate studies at the Rangoon Institute of Technology and the University of Minnesota, respectively, Win Aung joined Bell Laboratories in Whippany, NJ in 1969 as a Member of Technical Staff. In 1974 he joined the U.S. National Science Foundation (NSF) where he has held positions with programmatic and management responsibilities. He was appointed to the U.S. Senior Executive Service in 1985 and was recipient of the first NSF Federal Engineer of the Year Award in the same year. From 1976 - 1996, he held adjunct and visiting professorships at several universities in the U.S. and abroad, with an active schedule of teaching, research and student mentorship. In 1994, he initiated the ICEE (International Conference on Engineering Education) series and, in 2004, established the International Conference on Engineering Education and Research (iCEER) series. He co-founded the International Network for Engineering Education and Research (iNEER) in 2000, and is serving as its Secretary-General. He is the principal editor of the iNEER Innovations Series. A Fellow of American Society of Mechanical Engineers (ASME) since 1983, he has written extensively on research and education and is a frequent speaker on campuses around the world and at international conferences. He has published over 120 technical papers, and has edited or co-edited more than 10 books. In 1999, he was awarded an honorary doctorate (*Doctorem Honoris Causa*) by VSB – Technical University of Ostrava in Ostrava, Czech Republic, and in 2005, he was awarded the Medal of Merit by Silesian University of Technology in Gliwice, Poland. He was a member of the Standing Committee on Theory and Fundamental Research of the ASME Heat Transfer Division, the ASME Board on Engineering Education, and the ASME Council on Education. He is a member of the Scientific Board of VSB - Technical University of Ostrava and was an editor of Transactions of ASME, Journal of Heat Transfer.

JERZY MOSCINSKI

Jerzy Moscinski received the M.Sc. and Ph.D. degrees in Automation and Robotics from Silesian University of Technology, Gliwice, Poland, in 1982 and 1990 respectively. He has taught several courses in the field of Control, Signal Processing, Identification and Estimation, Computer Controlled Systems and Computer Networks in the Department of Automatic Control, Electronics and Telecommunications and Computer Science, SUT, Gliwice. Since 1993 he has been involved in the organization of international co-operation at the Silesian University of Technology as Rector's Representative for International Collaboration. Dr. Moscinski has coordinated at the University level the international exchange of students and teachers, international vocational training programs as well as international collaboration in the field of research and development as head of the Regional Contact Point in Gliwice. He is an iNEER member and is involved in the organization of ICEE conferences. His main areas of interest include advanced control and signal processing, computer networks and their role in computer controlled systems and computer based education, Internet and multimedia technologies, international collaboration in education and research.

MARIA DA GRACA RASTEIRO

Grça Rasteiro is an Associate Professor of Chemical Engineering at the University of Coimbra in Portugal. She graduated in Chemical Engineering and was the recipient, in 1988, of the first Ph.D. awarded by the University in Chemical Engineering. She joined the faculty of the University in 1988, and has been teaching at the undergraduate and post-graduate levels, and carrying out research in Particle Technology. She has also been actively involved in the promotion of partnerships between the University and industry and was, until 2000, vice-president of Instituto Pedro Nunes, the institutional interface between the University of Coimbra and industry. She also served as the head of the Chemical Engineering Department

and the Research Centre. At present she is the President of PRODEQ, the interface between the Chemical Engineering Department and industry. She has authored about eighty scientific papers some of them in Chemical Engineering education. Her papers have appeared in both Chemical Engineering Education and Transactions of IChemE Part D (Education for Chemical Engineers). She has been actively involved with iNEER and is Co-Chair of the 2007 International Conference on Engineering Education, ICEE 2007, to be hosted by the University of Coimbra University in 2007.

IAN ROUSE

A Professor and the Executive Dean of the Faculty of Health, Engineering and Sciences at Victoria University since 2005, Ian Rouse formerly served as a Professor of Health Sciences at Curtin University of Technology where he held the positions of Dean of Research and Enterprise and Acting Head of the School of Public Health. He graduated with first class honours in Biochemistry from the University of Western Australia in 1975 and completed a Doctorate in Epidemiology in the Department of Medicine of the University of Western Australia in 1986. He also completed with distinction a Graduate Diploma in Health Sciences from the Western Australian Institute of Technology in 1983. He worked in the fields of medical research, public health, epidemiology and health informatics in Western Australia, South Australia and at Harvard University. He held several prestigious fellowships including the Wyn Spence Medical Research Fellowship in 1983 and the CSIRO Division of Human Nutrition Research Fellowship at in Adelaide from 1986-1987. He was the General Manager of the Health Information Centre during 1995 – 1997, Chief Information Officer in the Department of Human Services in South Australia during 1997 – 1998, and Acting Chief Information Officer at Curtin University of Technology, 2000 - 2003. He has authored or co-authored more than 100 refereed papers, review articles and book chapters and have been associated with approximately 40 presentations at scientific meetings.

BERNARDO WAGNER

Bernardo Wagner received a M.Sc. (Dipl.-Ing., 1984) and a Ph.D. (Dr.-Ing., 1989) degree in Electrical Engineering from the University of Stuttgart, Germany. From 1985 to 1988, he worked at GPP in Oberhaching/Munich and was in charge of several commercial software development projects. In 1991 he was appointed Professor of Computer Science at the University of Applied Sciences in Ulm, Germany, where he was in charge of the software laboratory. Professor Wagner has been full professor at the University of Hannover since 1997. He is the head of the Real Time Systems Group that is part of the Institute for Systems Engineering. His research interests include autonomous service robots, embedded real-time systems. He works on real-time algorithms and system software for outdoor service robot localization and navigation in unstructured environments. Professor Wagner is also director of the Center for Technical Didactics where he puts his research focus on new concepts for multimedia and net-based learning environments as well as remote experimenting and project-based learning. He gives lectures on discrete control, design for real-time systems and technical didactics. Currently Professor Wagner is vice dean of the faculty of electrical engineering and computer science.

PETER WILLMOT

Peter Willmot is Principal University Teacher and Director of Undergraduate Studies in the School of Mechanical and Manufacturing Engineering at Loughborough University, England. He graduated with a BSc in Mechanical Engineering in 1976 and a PhD in 1990. During the intervening period, he worked in the high voltage switchgear, automotive component and petrochemical valve industries holding various design, production engineering and project management roles. He is a Chartered Engineer and a Member of the Institution of Engineering Designers. Peter was appointed Lecturer in Engineering Design at Loughborough University in 1985 and subsequently promoted to the senior staff in 2001 within the Teaching and Scholarship job family. He now has responsibility for teaching, developing the curriculum and the professional accreditation of five undergraduate programmes. He sits on various university committees and has worked as external validator for the degree programmes of other universities. Winner of a university teaching prize in 2004 and an academic practice award for excellence and innovation in supporting learning in 2006 he has published widely on educational practice at national and international forums. Peter is also actively engaged on a number of substantial funded Teaching and Development projects including the Centre of Excellence in Teaching and Learning.