Electrical & Computer ENGINEERING

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Professor Casasent is a Full Professor at Carnegie Mellon University, Pittsburgh, Pennsylvania, in the Department of Electrical and Computer Engineering, where he is the George Westinghouse Professor and Director of the Laboratory for Optical Data Processing. He is a Fellow of the IEEE, OSA and SPIE and has received various best paper awards and other honors. He is the author of two books, editor of one text, editor of 70 journal and conference volumes, contributor to chapters in 20 books and over 700 technical publications, on various aspects of optical data processing, image pattern recognition, and real-time signal processing. Dr. Casasent is active in conference organizations and is a consultant to companies and government agencies. He originated and has organized the set of 6 to 11 annual SPIE conferences on Intelligent Robots and Computer Vision. He has chaired the Intelligent Robots and Computer Vision conference for 22 years. He has also chaired and organized the Optical Pattern Recognition and Hybrid Image and Signal Processing SPIE conferences for 13 years. He is Past President of SPIE and was on the Board of Directors of SPIE for 6 years. He received the 1996 SPIE President's Award. He is a past member of two Defense Science Board Task Forces (on Image Recognition and on Automatic Target Recognition). He is past President of the Pittsburgh chapters of the IEEE-ED and the Optical Society of America. He is presently Faculty Advisor to Eta Kappa Nu among other such activities. His research interests include: distortion-invariant pattern recognition, neural networks, Gabor and wavelet transforms, robotics, morphological image processing, and product inspection. He was on the Board of Directors of INNS (the International Neural Network Society) from 1994- 1996 and 1998-date and was General Chair of the 1996 INNS conference. He has chaired and organized Pattern Recognition sessions at INNS conferences for over 9 years. He is Past President of INNS. He is presently on the Board of Directors of INNS, and is an Editorial Board member of Neural Networks, Neurocomputing, plus six other journals.