

**Toshio Fukuda** graduated from Waseda University, Tokyo, Japan in 1971 and received a Master of Engineering degree and the Doctor of Engineering degree both from the University of Tokyo, in 1973 and 1977, respectively. He studied at the graduate school of Yale University from 1973 to 1975. In 1977, he joined the National Mechanical Engineering Laboratory in Japan. From 1979 to 1980, he was a visiting research fellow at the University of Stuttgart, West Germany. He joined the Science University of Tokyo in 1981, and then joined the Department of Mechanical Engineering, Nagoya University, Japan in 1989. At present, he is a professor in the Department of Micro System Engineering and Department of Mechano-Informatics and Systems, Nagoya University, Japan. He is mainly engaged in the research fields of intelligent robotic systems, self-organizing systems, micro robotics, robotic systems under hostile environments, bio-robotic systems, neuromorphic intelligent control, fuzzy control, control of mechanical systems and technical diagnosis.

He was the vice president of IEEE's Industrial Electronics Society (1990- ). He is the member of the administrative committees in IEEE's Robotics and Automation Society and IEEE's Industrial Electronics Society. He was the publication chairman (1991–1992) and the secretary of IEEE's Neural Network Council (1992–1993). He was chairman of the Division of Robotics and Mechatronics of Japan Society of Mechanical Engineering (JSME), chairman of the Technical Committee of Robotics in Society of Instrument and Control Engineer (SICE) and chairman of many other technical committees. He was the president of the IEEE Robotics and Automation Society (1998–1999). He was elected as director of the IEEE Division X, Systems and Control. He was the founding general chairman of the IEEE International Workshop on Intelligent Robots and Systems (IROS) held in Tokyo (1988) and Program Chairman of IJCNN '91-Singapore (November 1991). He was the steering chairman of the International Joint Conference on Neural Networks (IJCNN'93-NAGOYA, 1993). He was the general chairman of the IEEE International Conference on Robotics and Automation (May 1995), the program co-chairman of the Fuzz-IEEE Conference (March 1995), the general chairman of the IEEE International Conference on Evolutionary Computation (ICEC'96, May 1996), and a steering member of many other international conferences. He was the general chairman of Second Conference of Virtual Reality Society of Japan (September 1997). He was the general chairman of the International Conference on Industrial Electronics, Control and Instrumentation-2000 (IECON-2000, October 2000). Currently, he is the editor-in-chief of the *Journal of Micromechatronics* (2000- ), *Journal of Advanced Computational Intelligence* (JACI) and *IEEE Nanotechnology Council President* (2002-). He was editor-in-chief of the *IEEE/ASME Transactions on Mechatronics* (2000-2002).

He has received many awards, such as the Contribution Award from the Robotics and Mechatronics Division of JSME (1995); Best Paper Award of ICEC'96 and Best Paper Award of IECON'96; City of Grenoble Medal (1997); IEEE Eugene Mittelmann Achievement Award (1997); Banki Donat Medal from Polytechnic University of Budapest, Hungary (1997); Medal from City of Sartillo, Mexico (1998); IEEE Third Millennium Medal (2000); IEEE Fellow (1995); and SICE Fellow (1995).