

Biography of Prof. Hirofumi Akagi, Tokyo Institute of Technology, Tokyo, Japan

Hirofumi Akagi was born in Okayama, Japan, in 1951. He received the B. S. degree from the Nagoya Institute of Technology, Nagoya, Japan, in 1974, and the M. S. and Ph. D. degrees from the Tokyo Institute of Technology, Tokyo, Japan, in 1976 and 1979, respectively, all in electrical engineering. In 1979, he joined the Nagaoka University of Technology, Nagaoka, Japan, as Assistant and then Associate Professor in the department of electrical engineering. In 1987, he was Visiting Scientist at the Massachusetts Institute of Technology MIT, Cambridge, for ten months. From 1991 to 1999, he was Professor in the department of electrical engineering at Okayama University, Okayama, Japan. From March to August of 1996, he was a Visiting Professor at the University of Wisconsin, Madison, and then MIT. Since January 2000, he has been Professor, currently Distinguished Professor, in the department of electrical and electronic engineering at the Tokyo Institute of Technology.

His research interests include power electronics and its applications to industry, transportation, and utility. He has authored and coauthored more than 130 IEEE Transactions papers and two invited papers published in *Proceedings of the IEEE* in 2001, 2004 and 2017, as well as many IEEE conference papers. The total citation index for all his papers in *Google Scholar* is more than 43,000 times with an h-index of 90. He has made presentations many times as a keynote or invited speaker internationally.

Dr. Akagi received six IEEE Transactions Prize Paper Awards from the Industry Applications and Power Electronics Societies. He is the recipient of the 2001 IEEE William E. Newell Award, the 2004 IEEE Industry Applications Society Outstanding Achievement Award, the 2008 IEEE Richard H. Kaufmann Award, the 2012 IEEE Power & Energy Society Nari Hingorani Custom Power Award, and the 2018 IEEE Medal in Power Engineering. He was elected as an IEEE Fellow in 1996.

Dr. Akagi served as the President of the IEEE Power Electronics Society from Jan. 2007 to Dec. 2008, and as the IEEE Division II Director for Jan. 2015 to Dec. 2016.