

Curriculum Vitae



Hideyuki TAKAGI

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DEGREE

He received the degrees of Bachelor and Master from Kyushu Institute of Design in 1979 and 1981, and the degree of Doctor of Engineering from Toyohashi University of Technology in 1991.

PROFESSIONAL CAREER

He had worked for the Central Research Laboratories of Matsushita Electric Industrial Co., Ltd. from April, 1981 to March, 1995. During these 14 years, he has researched on software engineering, speech recognition, neural networks, fuzzy systems, and genetic algorithms.

He was a Visiting Industrial Fellow of the University of California at Berkeley from October, 1991 to September, 1993, hosted by Prof. Lotfi A. Zadeh of Computer Science Division. Besides his visiting research, he played an educational role through research projects and technical meeting with students, and BISC special seminar on Soft Computing of Computer Science Division.

He has worked for Kyushu Institute of Design since April, 1995 as an Associate Professor. He belonged to Department of Acoustic Design in 1995 - 1999 and Department of Art and Information Design in 1999 - 2003. Kyushu Institute of Design and Kyushu University merged into one on October 1, 2003, and his affiliation name changed to Faculty of Design, Kyushu University.

RESEACH INTEREST

He is interested in Computational Intelligence such as neural networks, fuzzy systems, evolutionary computations, and other so-called Soft Computing technologies, especially cooperation of these technologies.

Currently, his interest focuses on Interactive Evolutionary Computation (IEC) that aims the cooperation of human and evolutionary computation. He is one of the most active researchers in IEC research community as shown in his publication, organizing sessions at conferences, giving invited talks and lectures, receiving paper awards, and other academic activities.

AWARDS & HONORS

1. **The Shinohara Memorial Young Engineer Award** from Institute of the Electronics, Information and Communication Engineers in 1989
(Awarded paper: H. Takagi and I. Hayashi, "Artificial_Neural_Network-Driven Fuzzy Reasoning," autumn meeting of IEICE D-169 (presented in Sept., 1988) (in Japanese))
2. **Best Paper Award** in vol.1 of the Proceedings of *the 1st Int. Conf. on Conventional and Knowledge-based Intelligent Electronic Systems(KES'97)*, Adelaide, Australia (May 21-23, 1997)
(Awarded paper: K. Aoki and H. Takagi, "3-D CG Lighting with an Interactive GA")
3. **Best Paper Award** at *the 5th Int. Conf. on Soft Computing and Information/Intelligent Systems (IIZUKA'98)* Iizuka, Fukuoka, Japan (Oct. 16-20, 1998)
(Awarded paper: M. Ohsaki and H. Takagi, "Application of Interactive Evolutionary Computation to Optimal Tuning of Digital Hearing Aids")
4. PC Best Paper Award at *the 15th Int. Conf. on Information Networking (ICOIN-15)*, Beppu, Japan (Jan. 31 - Feb. 2, 2001)
(Awarded paper: H. Nishino, H. Takagi, S.-B. Cho, and Kouichi Utsumiya, "A 3D Modeling System for Creative Design")
5. **Distinguished Service Award**, Slovak Artificial Intelligence Society (June, 2002).
6. **Outstanding Contribution Award**, IEEE Systems, Man, and Cybernetics Society (October, 2003).
7. **Paper Award** of Japan Society for Fuzzy Theory and Intelligent Informatics in 2004.
(Awarded paper: Hideyuki Takagi, Takeo Ingu, and Kei Ohnishi, "Accelerating a GA Convergence by Fitting a Single-Peak Function," J. of Japan Society for Fuzzy Theory and Intelligent Informatics, vol.15, no.2, pp.219-229 (2003) (in Japanese))
8. **Best Associate Editor Award**, IEEE Systems, Man, and Cybernetics Society (October, 2005)

PROFESSIONAL ASSOCIATIONS

He is a member of the following academic societies.

1. IEEE (Systems, Man, and Cybernetics Society)
 2. Institute of the Electronics, Information and Communication Engineers
 3. Acoustic Society of Japan
 4. Japan Society for Fuzzy Theory and intelligent informatics
 5. Japan Society for Artificial Intelligence
 6. Virtual Reality Society of Japan
- He is the Vice-President for Technical Activities of IEEE Systems, Man, and Cybernetics Society (SMCS) in 2006-2007.
 - He was an member of Board of Governor of SMCS in 2001-2003 and 2004-2006.
 - He was an SMCS Technical Committee Coordinator in 2005..
 - He has served as an Associate Editor of IEEE Transactions on Systems, Man and Cybernetics, Part B since 2001.
 - He served as a Chair of SMC Technical Committee on Soft Computing in 1998-2004.
 - He has also served for SOFT (Japan Society for Fuzzy Theory and intelligent informatics) as a Chair of Kyushu Chapter in 1997 - 1999 and a member of Executive Committee in 1999 - 2001 and 2001-2003.