

2006 IEEE International Conference on Fuzzy Systems Best Poster Presentation Award

Dr Tan W.W. and Danesh H. Kamal received the 2006 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE) Best Poster Presentation Award for the paper “On-line learning rules for Type-2 Fuzzy Controller”. FUZZ-IEEE 2006 was held from July 16-21 2006 in Vancouver Canada. The conference is a part of the 2006 World Congress of Evolutionary Computation (WCCI 2006), a tri-annual event that brings together the 3 main conferences sponsored by the IEEE Computational Intelligence Society. WCCI 2006 is the largest technical forum in the Computational Intelligence community. A total of 350 FUZZ-IEEE papers were presented, and 1600 delegates attended the congress.



In the article, an algorithm for on-line tuning of a type-2 fuzzy controller is proposed. Results demonstrate that the type-2 fuzzy controller trained on-line by the proposed tuning law provided a 35% improvement in the integral of the time absolute error (ITAE) over its type-1 counterpart.



Dr Tan (leftmost) at the conference Gala Dinner