Piscataway, New Jersey, USA, January 2016: Qiang Huang, Professor, from Beijing, China has been named an IEEE Fellow. He is being recognized for contributions to the design and control of biped robots. He is a pioneer of human-robot fusion design and bio-inspired control in the world. His accomplishments have very important and lasting impact on the robotics field, and have promoted the advancement of robotic science and technology.

The IEEE Grade of Fellow is conferred by the IEEE Board of Directors upon a person with an outstanding record of accomplishments in any of the IEEE fields of interest. The total number selected in any one year cannot exceed one-tenth of one-percent of the total voting membership. IEEE Fellow is the highest grade of membership and is recognized by the technical community as a prestigious honor and an important career achievement.

Prof. Huang proposed a series of originally innovative methods for motion planning, control, manipulation, and system integration of bio-inspired robots. These methods have unique effects to significantly enhance the harmony and reliability of the bipedal motion, and the real-time response capability to the dynamic manipulation
and the environmental uncertainties. Now his methods are widely used in the field of bio-inspired robots.

He has published more than 200 refereed papers. One of his papers is the most cited paper published on IEEE T-RA (or IEEE T-RO) in the field of biped robot in last 15 years. He has served as the associate editors of several international journals, and general chairs and program chairs in multiple IEEE international conferences. He also got about 10 best paper awards, such as in 2005 IROS, 2007 ROBIO, and 2014 ICRA.

Prof. Huang built series of full-sized biped humanoid robots with leading performance in the world. He holds more than 50 patents. The core components and systems of the robots have achieved practical application and industrialization, and they have made great economic benefits.

The IEEE is the world’s leading professional association for advancing technology for humanity. Through its 400,000 members in 160 countries, the IEEE is a leading authority on a wide variety of areas ranging from aerospace systems, computers and telecommunications to biomedical engineering, electric power and consumer electronics.

Dedicated to the advancement of technology, the IEEE publishes 30 percent of the world’s literature in the electrical and electronics engineering and computer science fields, and has developed more than 900 active industry standards. The association also sponsors or co-sponsors nearly 400 international technical conferences each year. If you would like to learn more about IEEE or the IEEE Fellow Program, please visit www.ieee.org.