Prof. Qiang Huang

（Associate editor of Neuroscience and Biomedical Engineering, the first IEEE Fellow from the mainland China recommended by the IEEE Robotics and Automation Society）

QIANG HUANG, NAMED 2016 IEEE FELLOW

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.

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